मिरा भाईंदर महानगरपालिका

"प्रशासकीय ठरावाकरीता गोषवारा"

दि. 04/02 /2025

प्रकरण क्र (602) मिरा भाईंदर महानगरपालिका अंतर्गत मालमत्ता आणि पायाभूत सुविधांच्या तपासणी, देखभाल व व्यवस्थापनासाठी मानक कार्यपद्धती (SOP) धोरणाद्वारे निश्चित करणे.

2. उद्देश

या (मानक कार्यपध्दती) SOP चा उद्देश मिरा भाईंदर महानगरपालिकेच्या ताब्यातील विविध मालमत्तांची, सुविधा व पायाभूत सुविधांची **नियमित तपासणी, देखभाल** आणि **व्यवस्थापन** करणारी **मानक कार्यपद्धती** स्थापित करणे हा आहे. प्रमुख उद्देश पुढीलप्रमाणे:

1. **सुरक्षा**: सर्व मालमत्ता संरचनात्मक आणि कार्यात्मकदृष्ट्या सुरक्षित राहाव्यात.
2. **कार्यक्षमता**: विद्युत, जलपूरवठा, सांडपाणी व्यवस्थापन, उद्याने इत्यादी सर्व प्रणाली सतत कार्यरत ठेवणे.
3. **स्वच्छता व आरोग्य**: सार्वजनिक आरोग्याच्या दृष्टीने स्वच्छता व निर्जंतुकीकरणाचे पालन करणे.
4. **नियम व अटींचे पालन**: सर्व संबंधित शासकीय मार्गदर्शक तत्वे, इमारत नियम व इतर कायदे पाळणे.

3. व्याप्ती

ही (मानक कार्यपध्दती) SOP पुढील सर्व मिरा भाईंदर महानगरपालिकेच्या मालमत्ता, सुविधा व पायाभूत सुविधांना लागू होते, तसेच तपासणी व देखभाल करणाऱ्या अधिकाऱ्यांना, कर्मचाऱ्यांना किंवा बाह्य संस्थांना (Contractors/Agencies) देखील बंधनकारक आहे. यामध्ये समाविष्ट (परंतु मर्यादित नसलेल्या) मालमत्तांची सूची:

1. मुख्य कार्यालय
2. प्रभाग समिती कार्यालये
3. सार्वजनिक सभागृह / समाजमंदिर / स्टेज, व्यायामशाळा
4. ज्येष्ठ नागरिक विरंगुळा केंद्र
5. वाचनालय / अभ्यासिका
6. शाळा इमारती
7. अग्निशमन केंद्र इमारती
8. स्मशानभूमी / दफनभूमी
9. पाणपोई / फाऊंटन / सेल्फी पॉईंट
10. उद्याने / मैदाने, दुभाजक / वाहतूक बेट
11. गटारे / नाले, झाकणे
12. रस्त्यावरील विविध दिशादर्शक फलक
13. पाण्याच्या टाक्या, मलनिस्सारण केंद्र, पंपिंग स्टेशन
14. सिग्नल यंत्रणा

15. स्ट्रीट लाईट व्यवस्था
16. सार्वजनिक स्वच्छतागृहे / सामुदायिक स्वच्छतागृहे
17. रुग्णालय / आरोग्य केंद्र
18. पशुपक्षी दवाखाना
19. आरक्षणाच्या / रस्त्याच्या ताब्यातील जागा
20. नाट्यगृह इमारत
21. क्रीडा संकुल / स्विमिंग पूल
22. क्रिकेट पीच / टर्फ
23. सी.सी.टी.व्ही. यंत्रणा
24. सार्वजनिक रस्ते / फुटपाथ

4. व्याख्या व संदर्भ (Definitions & References) (ऐच्छिक)

- **तपासणी (Inspection)**: मालमतेची सद्यस्थिती तपासण्यासाठी नियोजनबद्ध किंवा निर्धारित वेळापत्रकानुसार घेतली जाणारी पहाणी/वाचणी.
- **देखभाल (Maintenance)**: तपासणीवेळी दिसून आलेल्या दोषांचे/उणीवांचे निवारण किंवा आवश्यक दुरुस्त्या करणे.
- **व्यवस्थापन (Upkeep)**: सातत्याने साफसफाई, कामकाज आणि कार्यक्षमतेसाठी केले जाणारे नियमित प्रयत्न.
- **MBMC मार्गदर्शक तत्वे**: महानगरपालिकेने जाहीर केलेले कोणतेही नियम, परिपत्रके, अधिसूचना इ.
- **शासकीय नियम**: राज्य किंवा केंद्र शासनाचे इमारत नियम, महानगरपालिका कायदे, पर्यावरण किंवा सुरक्षा संबंधीचे नियम.

(लागेल तसा अधिक संदर्भ किंवा व्याख्या वाढवू शकता.)

5. भूमिका व जबाबदाऱ्या (Roles & Responsibilities)

1. **महापालिका आयुक्त**
    - या (मानक कार्यपद्धती) SOP च्या अंमलबजावणीवर आणि देखरेखीवर सर्वोच्च अधिकार.
    - मोठ्या प्रमाणातील दुरुस्त्या किंवा निधीशी संबंधित प्रस्ताव मंजूर करणे.
2. **शहर अभियंता / कार्यकारी अभियंता (सिव्हिल / विद्युत / यांत्रिक)**
    - तपासण्या व तांत्रिक मूल्यांकन यांचे समन्वयन व देखरेख.
    - दुरुस्ती किंवा विकास कामांसाठी वर्क ऑर्डर्स तयार करणे आणि मंजूर करणे.
3. **विभागप्रमुख / विभाग प्रमुख (उदा. आरोग्य, अग्निशमन, शिक्षण)**
    - आपल्या विभागाशी संबंधित मालमतांची नियोजित वेळापत्रकानुसार तपासणी सुनिश्चित करणे.
    - दुरुस्ती किंवा व्यवस्थापनासाठी तातडीने पावले उचलणे.
4. **नोडल अधिकारी / नामनिर्दिष्ट कर्मचारी**
    - दिवसेंगणिक तपासणी, वर दिलेल्या चेकलिस्टद्वारे आढावा घेणे.
    - "होय/नाही" स्तंभात नोंद करणे व "नाही" असल्यास पुढील कारवाईसाठी वरिष्ठांना कळवणे.

5. **ठेकदार / बाह्य संस्था (Contractors / External Agencies)** (जर लागू असेल तर)
    - विशेष देखभाल किंवा दुरुस्तीचे काम करणे.
    - पूर्ण कामाचा अहवाल आणि तपशील महानगरपालिकेला देणे.
6. **तपासणी व ऑडिट पथक**
    - ठराविक कालावधीत रँडम तपासणी / ऑडिट करून खात्री करणे की SOP चे पालन होत आहे.
    - नियमभंग आढळल्यास संबंधित विभागांना सुधारणा सूचना देणे.

6. वारंवारिता व कालमर्यादा (Frequency & Timeline)

- **मासिक / त्रैमासिक तपासणी**:
  किरकोळ दुरुस्त्या, तत्काळ उपाययोजना यांसाठी.
- **सहामाही / वार्षिक तपासणी**:
  व्यापक तपासणी, प्रतिबंधात्मक देखभाल, मोठ्या प्रमाणातील दुरुस्त्या.
- **पावसाळ्यापूर्व व पावसाळ्यानंतरची तपासणी**:
  संरचनेची मजबुती, गटार व नाला सफाई, पाणी साठू नये यासाठी विशेष देखरेख.

(प्रत्येक विभागाने त्यांच्या वापरावर, धोका-पातळीवर व नियामक मागण्यांनुसार तपशीलवार वेळापत्रक ठरवावे.)

7. कार्यपद्धती (Procedure)

7.1 तपासणीपूर्व तयारी (Pre-Inspection Preparation)

1. **सूचना देणे**: संबंधित विभाग/अधिकारी तपासणीचे वेळापत्रक तयार करून कर्मचारी किंवा कार्यसंघाला माहिती देतात.
2. **चेकलिस्ट व साधने**:
    - तपासणी चेकलिस्ट (मुद्रित किंवा डिजिटल) सोबत ठेवावी.
    - गरजेनुसार साधने (उदा. मापन फीत, रंग चाचणी यंत्र, सुरक्षा साहित्य) सोबत ठेवावे.

7.2 प्रत्यक्ष तपासणी (Conducting the Inspection)

1. **मालमतेला भेट देणे**: तपासणीसाठी प्रत्यक्ष स्थळी जाऊन स्थिती पाहणे.
2. **दृष्य व प्रत्यक्ष तपासणी**:
    - संरचना, सुरक्षा उपकरणे, स्वच्छता, यांत्रिक व विद्युत बाबी इ. पडताळून पाहणे.
    - चेकलिस्टमध्ये "होय/नाही" स्तंभात योग्य नोंद करणे.
3. **छायाचित्रे / पुरावे**:
    - गंभीर तुटफूट किंवा धोकादायक बाबी असल्यास फोटो काढून दस्तावेज तयार करणे.
    - डिजिटल किंवा मालमतेच्या संबंधित फाईलमध्ये सुरक्षित ठेवणे.

7.3 नोंद व अहवाल (Recording and Reporting)

1. **चेकलिस्ट भरणे**:
    - समाधानकारक असल्यास "होय" दर्शवा.
    - उणीवा असल्यास "नाही" दर्शवा आणि 'टिप्पणी/Comments' मध्ये तपशीलाने लिहा.

2. **तातडीची दुरुस्ती**:
    - फुटलेला दिवा, लहान लिकेज असे किरकोळ मुद्दे असल्यास शक्य तितक्या लवकर दुरुस्त करा.
3. **मातबर समस्या असल्यास उचलायची पावले**:
    - मोठ्या प्रमाणावरील तडे, विद्युत धोका इ. असल्यास **शहर अभियंता / विभाग प्रमुख** यांना कळवा.
4. **अहवाल सादर करणे**:
    - तपासणी पूर्ण झाल्यावर भरलेली चेकलिस्ट विभागप्रमुख किंवा मुख्य फाईलला सुपूर्द करा.

7.4 देखभाल व व्यवस्थापन (Maintenance & Upkeep)

1. **कार्यादेश :**
    - "नाही" असल्यास दुरुस्ती किंवा व्यवस्थापनासाठी त्वरित कार्यादेश द्यावे.
2. **ठेकेदार / अंतर्गत कर्मचाऱ्यांशी समन्वय**:
    - आवश्यक असल्यास बाह्य ठेकेदारांना काम सोपवावे किंवा अंतर्गत तांत्रिक कर्मचाऱ्यांकडून दुरुस्ती करून घ्यावी.
3. **पुनर्तपासणी**:
    - दुरुस्ती पूर्ण झाल्यावर पुन्हा तपासणी करून समस्या सुटली आहे याची खात्री करा.
    - चेकलिस्टमध्ये "होय" असा बदल करून प्रकरण बंद करा.

7.5 दस्तावेज व्यवस्थापन व नोंदणी (Record-Keeping & Documentation)

1. **फाईल / डिजिटल संग्रह**:
    - पूर्ण केलेल्या चेकलिस्ट, दुरुस्ती बिल, फोटो इ. चा संग्रह हार्ड कॉपी किंवा डिजिटल स्वरुपात ठेवा.
2. **ऑडिट ट्रेल**:
    - दुरुस्तीची तारीख, जबाबदार अधिकारी, दुरुस्तीचा प्रकार, खर्च इत्यादींची नोंद ठेवा.
3. **वार्षिक आढावा**:
    - वर्षभरातल्या तपासणी अहवालांचे विश्लेषण करून वारंवार येणाऱ्या समस्या, आवश्यक बजेट आणि सुधारणा यावर लक्ष द्या.

8. तपासणी चेकलिस्ट (Inspection Checklist)

खालील तक्ता हा **तपशीलवार तपासणी चेकलिस्ट** म्हणून वापरावा. **"होय/नाही"** स्तंभात तपासणी निकाल नोंदवा. जर एखाद्या मालमत्तेअंतर्गत अनेक उपघटक असतील, तर तक्त्यात उप-स्तंभ/नोंदी वापरता येतील.

टीप: पुढील सारणीतील मुद्दे *"काय तपासावे"* याचा संदर्भ देतात. वास्तविक तपासणी दरम्यान, सद्यस्थिती **"होय"** (सुस्थितीत) अथवा **"नाही"** (दुरुस्तीची गरज) म्हणून नोंदवावी.

अ. क्र.	मालमत्ता	तपासावयाच्या व सुस्थितीत ठेवावयाच्या बाबी (सविस्तर विवरण)	तपासण पुर्ण? (होय/नाही)
1	मुख्य कार्यालय	**1. इमारतीची संरचना (Structural Elements)** **- छप्पर/टेरेस:** • वॉटरप्रूफिंग लेयर तपासा (उकललेली, तडे गेलेली नाही ना?). • गळती असल्यास कारण शोधून तात्पुरती दुरुस्ती (क्रॅक्स, ड्रेनेज ब्लॉकेज). • टेरेसवरील पाणी साठणार नाही यासाठी निचरा व्यवस्था (पाईप, गटार). **- भिंती:** • ओलावा, रंगउडी (पेंट पिलिंग) किंवा ओलसरपणाची चिन्हे. • प्लास्टर सुटणे किंवा निघणे याची तपासणी. **- पाया/स्ट्रक्चरल मजबुतीकरण:** • दृश्यभेगा नसाव्यात, जर मोठ्या भेगा दिसल्या तर अभियंत्यांकडून तपासणी. • भूकंपरोधक किंवा अन्य सुरक्षा मानदंडांची पूर्तता. **2. बाह्य स्वरूप (Exterior)** **- बाहेरील रंगकाम:** • रंग उडालेला, भेगा असलेल्या भागाला त्वरित दुरुस्ती. • भिंगरी, शैवाल किंवा शेवाळ असल्यास साफसफाई. **- परिसराची साफसफाई:** • कचरा, सुटे गवत/झुडपे काढणे. • ड्रेनेज/नाले चोकअप नाहीत याची खात्री. **3. आतील भाग (Interiors)** **- जमिनीवरील फरशी/टाईल्स:** • तुटलेल्या किंवा उसळलेल्या टाईल्स दुरुस्ती. • घसरडी पृष्ठभाग टाळण्यासाठी दैनंदिन साफसफाई. **- दरवाजे, खिडक्या:** • हिंज, लॉक, सील, गॅसकेट नीट आहेत का? • लाकडी पटकांना कीड/बुरशी नाही ना? **- सीलिंग:** • पंखे, दिवे, फॉल्स सीलिंगमध्ये भेगा. • पाणी गळती/ओलसरपणा नसावा. **- फर्निचर:** • टेबल, खुर्च्या, कपाटे तुटलेली वा जीर्ण. • स्वच्छता व सुरक्षित ठेवणी व्यवस्था. **4. विद्युत प्रणाली (Electrical System)** **- मुख्य वितरण पटल (DB), ब्रेकर, अर्थिंग:** • सर्किट ओव्हरलोड किंवा स्पॉट होऊ नये याची काळजी. • तांबे वायरींग, अर्थिंग घाचणी वेळोवेळी. **- दिवे, पंखे, ए.सी.:** • दिवे चालू/बंद व्यवस्थित, पंख्यांत स्पार्किंग नाही.	

		• ए.सी. फिल्टर साफ, गॅस लीक नाही. - **बॅकअप यंत्रणा (जेनरेटर/युपीएस असल्यास):** • इंधनाची उपलब्धता, बॅटरी चेक. • वेळोवेळी टेस्ट रन. **5. पाणीपुरवठा व प्लंबिंग** - **शौचालये व वॉशरूम:** • नळ, फ्लश, बेसिन, ड्रेनेज जाम नाही. • गळती असल्यास त्वरित दुरुस्ती. - **पिण्याचे पाणी:** • फिल्टरेशन युनिट (आरओ/युनिट) वेळोवेळी साफ. • टँक स्वच्छता (वार्षिक/अर्धवार्षिक). **6. स्वच्छता व्यवस्थापन** - **शौचालये, वॉशरूम:** • दैनंदिन डिसइन्फेक्शन, टॉयलेट क्लीनरचा वापर. • भिंती, फरशी स्वच्छ, दुर्गंधी नसावा. - **कचरा व्यवस्थापन:** • ड्राय व वेट कचऱ्याचे विलगीकरण. • कचरा बाहेर काढण्याची नियमित व्यवस्था. **7. सुरक्षा व्यवस्थापन** - **सीसीटीव्ही:** • कॅमेरे कार्यरत, रेकॉर्डिंग स्पष्ट. • स्टोअरेज (DVR/NVR) बॅकअप तपासा. - **फायर सुरक्षा:** • फायर एक्स्टिंग्विशरची वैधता (रिफिल डेट). • धूर संवेदक (Smoke Detector), फायर अलार्म तपासणी. - **आपत्कालीन मार्ग:** • बाहेर पडण्याचे दरवाजे, फलक स्पष्ट. • आपत्कालीन दिवे (Emergency Lights). **8. इतर बाबी** - **लिफ्ट (असल्यास):** • वार्षिक तपासणी, सेफ्टी सर्टिफिकेट, ओव्हरलोड अलार्म. • इमर्जन्सी इंटरकॉम किंवा अडकल्यास सूचना यंत्रणा. - **इन्शुरन्स / वारंटी कागदपत्रे:** • संरचनेचे, उपकरणांचे कागदपत्रे अप-टू-डेट आहेत का? • कोणत्याही थकबाकी/दुरुस्तीला गरज लागल्यास उपलब्ध.	
2	**प्रभाग समिती कार्यालये**	**1. इमारत व संरचना** - छप्पर/भिंती/फरशी: गळती, भेगा वा तडे तपासा. - प्रभागस्तरीय सभागृह: खुर्च्या, टेबल, ऑडिओ यंत्रणा (असल्यास) सुस्थितीत. **2. विद्युत व पाणीपुरवठा** - लाईट्स, फॅन्स, सॉकेट्स: स्पार्किंग किंवा ढिलते कनेक्शन नाही.	

		- शौचालये: पाण्याचे प्रेशर, ड्रेनेज, लिकेज तपासणी. **3. सुरक्षा** - सीसीटीव्ही: प्रवेशद्वार, महत्त्वाच्या कार्यालयीन जागा कव्हर. - फायर एक्स्टिंग्विशर: मोक्याच्या ठिकाणी सहज उपलब्ध. - दस्तावेज कपाट/लॉकर: कुलूप, सुरक्षा व्यवस्था. **4. सार्वजनिक सोयी** - प्रतीक्षा कक्ष: बसण्याची व्यवस्था, पिण्याचे पाणी. - माहिती फलक: सरकारी योजना, संपर्क क्रमांक, प्रभाग अधिकारी माहिती.	
3	**सार्व. सभागृह / समाजमंदिर / स्टेज, व्यायामशाळा**	**1. स्टेज/सभागृह संरचना** - स्टेजचा मजला: घसरडी नसावी, तडे गेले नसावेत. - ध्वनी प्रणाली: स्पीकर, माईक, ऑप्टिफायर चाचणी. **2. व्यायामशाळा (Gym) उपकरणे** - मशीनचे ऑइलिंग, बोल्ट्स टाइट, तुटलेले पार्ट्स नाहीत. - विद्युत पॉईंट्स: सुरक्षित प्लग, अर्थिंग, शॉर्टसर्किट नाही. **3. आणीबाणीची साधने** - फायर एन्जिट: कुठेही अडथळा नसावा. - फायर अलार्म, एक्स्टिंग्विशर: वैधता व कार्यक्षमता. - सीसीटीव्ही: सभागृहातील गर्दी व्यवस्थापन व सुरक्षा. **4. सार्वजनिक सोयी** - बसण्याची जागा: खुर्च्या, बेंच तुटलेल्या नसाव्यात. - ध्वनीप्रदूषण नियंत्रण: सभागृहाचा ध्वनीप्रतिध्वनी नियोजन. - स्वच्छ शौचालय व पेयजल सुविधा.	
4	**ज्येष्ठ नागरिक विरंगुळा केंद्र**	**1. इमारत व परिसर** - प्रवेशद्वार: व्हीलचेयर रॅम्पची पायरी घसरडी नसावी. - बेंच, खुर्च्या: गंजलेली, तुटलेली नसावीत, दैनंदिन साफसफाई. **2. विद्युत, पाणी व शौचालय** - लाइटिंग: संध्याकाळी पुरेशी रोषणाई. - पिण्याचे पाणी: फिल्टर, थंडपाण्याचे कुलर (असल्यास). **3. सुरक्षा** - घसरू नये म्हणून फरशीवर अँटी-स्लिप मॅट किंवा रबर लेयर. - आपत्कालीन कॉल बेल/अलार्म: ज्येष्ठांना तत्काळ मदत मिळावी. **4. सामाजिक सोयी** - वाचन कोपरा: वर्तमानपत्रे, मासिके, पुस्तके. - करमणुकीची साधने: टीव्ही, रेडिओ, संगीत प्रणाली (आवाज मर्यादेत).	
5	**वाचनालय / अभ्यासिका**	**1. इमारत व शांतता** - खिडक्यांचे सीलिंग: बाहेरील आवाज कमी करण्यासाठी. - वातानुकूलन (ए.सी.) किंवा पंखे: अभ्यासाला अनुकूल वातावरण. **2. पुस्तकांच्या कपाटांची देखभाल** - रॅक्स/शेल्फ: धूळ, कीटकांपासून सुरक्षित ठेवणे. - पुस्तकांवरील वर्गीकरण, कीटकनाशक फवारणी (आवश्यकतेनुसार).	

		3. विद्युत व्यवस्था - पुरेशी प्रकाशव्यवस्था: वाचनासाठी पुरेसा उजेड. - वायरिंग: शॉर्टसर्किट होणार नाही, अर्थिंग व्यवस्थित. **4. स्वच्छता** - फरशी: दैनंदिन झाडू-पोछा, घसरडी नसावी. - शौचालये: स्वच्छता, पाण्याचा पुरवठा, वायुविजन (Ventilation).	
6	**शाळा इमारती**	**1. सुरक्षित इमारत** - वर्गखोल्या: छतावर, भिंतीवर भेगा नकोत. - खेळाचे मैदान: झोके, घसरगुंडी, इतर खेळणी तुटलेली नसावीत. **2. विद्युत व पाणीपुरवठा** - लाईट्स, पंखे, कॉम्प्युटर लॅबमध्ये विद्युत सुरक्षा. - वॉशरूम: स्वच्छता, पिण्याचे पाणी, ड्रेनेज सुस्थितीत. **3. सुरक्षा व्यवस्था** - फायर एक्स्टिंग्विशर, फायर अलार्म: मुलांसाठी वापरण्याबाबत मार्गदर्शन. - सीसीटीव्ही: प्रवेशद्वार, व्हरांडा, जिना. - सुरक्षा रक्षक/शिपाई: ओळखीव्यतिरिक्त लोकांना प्रवेशबंदी. **4. आरोग्यदायी वातावरण** - कचरा विल्हेवाट: नियमित उचल, डस्टबिन वापर. - डास/कीटक नियंत्रण: फवारणी, पाणी साठणार नाही. - कंपाउंड वा कुंपण: बाहेरील अनधिकृत प्रवेश रोखणे.	
7	**अग्निशमन केंद्र इमारती**	**1. इमारत व गॅरेज** - पार्किंग परिसर: अग्निशमन वाहनांना सोयीस्कर जागा. - भिंती, छत: नवा स्लॅब वा भेगा नसाव्यात. **2. अग्निशमन उपकरणे** - अग्निशमन गाड्या: पंप, होझ, शिड्या, पाणी/फोम टँक तपासणी. - हायड्रंट सिस्टम: क्षेत्रातील हायड्रंट कार्यरत आहेत का? **3. विद्युत व पाणी व्यवस्था** - आपत्कालीन दिवे, सायरनची तपासणी. - पाण्याचा प्रेशर योग्य, पाईप लिकेज नाही. **4. कर्मचारी सुविधा** - विश्रांतीगृह: बेड, बसण्याची जागा, शौचालय स्वच्छता. - सुरक्षा साधने: हेल्मेट, प्रोटेक्टिव्ह गियर, रेडिओ कम्युनिकेशन.	
8	**स्मशानभूमी / दफनभूमी**	**1. परिसराची संरचना व प्रवेश** - मुख्य दरवाजा: सुरक्षित, अतिक्रमणमुक्त. - अंतर्गत रस्ते: गटार व्यवस्था, घसरडी नसावीत. **2. स्मशान / दफन सुविधा** - विद्युत/गॅस दहन प्रणाली: दैनंदिन क्लीनिंग, कार्यक्षमता. - शव वाहतूक मार्ग व ताटातूट क्षेत्र (पोस्टमार्टम नसल्यास दुर्लक्ष्य). **3. सार्वजनिक सोयी** - विश्रांतीगृह: बसण्याची व्यवस्था, पंखे. - पिण्याचे पाणी, स्वच्छतागृह (दुर्गंधी टाळण्यासाठी काळजी).	

		4. सांडपाणी व्यवस्थापन - नाल्या/गटारे: नियमित साफसफाई. - कीटकनाशक फवारणी, दुर्गंधी रोखण्यासाठी रसायने.	
9	**पाणपोई / फाउंटन / सेल्फी पॉईंट**	**1. पाणपोईची स्वच्छता** - दररोज स्वच्छ पाण्याची उपलब्धता (टँकर/लाइन). - नळ व टँक स्वच्छ, गाळ साचलेला नसावा. **2. फाउंटन यंत्रणा** - पंप: नियोजनबद्ध वेळापत्रकानुसार ऑन/ऑफ, गळती नसावी. - पाईप्स, नोजल: अडथळे/कचरा नको. - इलेक्ट्रिकल कनेक्शन: अर्थिंग, शॉक प्रोटेक्शन. **3. सेल्फी पॉईंट / सजावट** - संरचना (आकृती, फलक) वरचे रंगकाम/दगडी नक्षीकाम तपासा. - फरशी घसरडी नसावी, सायंकाळी प्रकाश व्यवस्था. - सौंदर्य वृद्धीसाठी फुले/झाडे (आकार, नियोजन).	
10	**उद्याने / मैदाने, दुभाजक / वाहतुक बेट**	**1. उद्यान व मैदान देखभाल** - झाडे, फुले, गवत: नियमित पाणी, खत, छाटणी. - वॉकिंग ट्रॅक: तडे, खड्डे नसावेत, झोके/खेळणी सुस्थितीत. **2. स्वच्छता व सुरक्षा** - कचरा कुंड्या: नियोजनबद्ध रिकाम्या करणे. - गार्डन लाईट/सोलार दिवे: तारांमध्ये गळती नसावी. - सीसीटीव्ही (असल्यास): फीड स्पष्ट, रेकॉर्डिंग. **3. दुभाजक / वाहतूक बेट** - रोपांची लागवड: नियमित पाणी, छाटणी. - रिफ्लेक्टिव्ह टेप किंवा पिन्हे: गाडीच्या दृष्टीने स्पष्ट दिसणारी.	
11	**गटारे / नाले, झाकणे**	**1. गटारींची सफाई** - गाळ, प्लास्टिक कचरा, पाणी साचणार नाही याची काळजी. - जंतुनाशक फवारणी, विशेषत: पावसाळ्यापूर्वी. **2. झाकणे व सुरक्षा** - मॅनहोल झाकण: तुटलेली वा उघडी नसावीत. - गटारे उघडे असल्यास संरक्षक जाळी; पाणीवाहतूक अडू नये याची काळजी. **3. पावसाळी व्यवस्थापन** - गटारे चोकअप झाल्यास पाणी रस्त्यावर येणार नाही याची खबरदारी. - नाल्यांचे योग्य उतार, अडथळे काढणे.	
12	**रस्त्यावरील विविध दिशादर्शक फलक**	**1. डायरेक्शन बोर्ड / साइनबोर्डची स्थिती** - अक्षर, माहिती स्पष्ट दिसते का? - रंगकाम, रिफ्लेक्टिव्ह टेप, पेंट घटले नाहीत ना? **2. बांधकाम व फ्रेम** - पोल/फ्रेम गंजलेले, तुटलेले नसावेत. - योग्य उंची, कोन (वाहतुकीस अडथळा नको).	

13	पाण्याच्या टाक्या, मलनिस्सारण केंद्र, पंपिंग स्टेशन	**1. पाण्याच्या टाक्या** - गळती, क्रॅक्स, टँकची आंतरिक सफाई (वार्षिक/छमाही). - पिण्याचे पाणी शुद्धता तपासण्यासाठी पाणी नमुने. **2. मलनिस्सारण केंद्र** - सांडपाण्यावर प्रक्रिया (सेप्टिक टँक, फिल्टर) कार्यक्षम. - वायू/दुर्गंधी नियंत्रणासाठी एअर वेंट, बायो-एन्झाइम. **3. पंपिंग स्टेशन** - पंप, मोटार, व्हॉल्व्हचे ग्रीसिंग व दैनंदिन तपासणी. - कंट्रोल पॅनेल, विद्युत कनेक्शन सुरक्षित. - इमारत छत, ड्रेनेज व्यवस्थेला गळती नसावी.	
14	सिग्नल यंत्रणा	**1. सिग्नल हेड व एलईडी/बल्ब तपासणी** - लाल, पिवळा, हिरवा दिवा व्यवस्थित कार्यरत आहेत का? - वायरिंग, विद्युत पुरवठा स्पार्किंग नसावा. **2. टाइमर व कंट्रोल युनिट** - गाडी व पादचारी सिग्नलचे योग्य सिंक्रोनायझेशन. - सिग्नल बंद पडल्यास त्वरित दुरुस्ती व्यवस्था. **3. इतर सुरक्षा सुविधा** - पोलची मजबुती, रिफ्लेक्टिव्ह स्ट्रिप्स किंवा रंगकाम. - सीसीटीव्ही (असल्यास) वीजपुरवठा सुरळीत.	
15	स्ट्रीट लाईट व्यवस्था	**1. लाईट पोलची स्थिती** - पोल गंजलेले, वाकलेले नसावेत. - बेसवरील इलेक्ट्रिकल कनेक्शन सुरक्षित. **2. लाईट फिटिंग्ज** - बल्ब/एलईडी दिवे कार्यरत, कव्हर तुटलेले नाही. - वायरिंग, कंट्रोल पॅनेल, टायमर तपासणी. **3. देखभाल नियोजन** - गरजेनुसार बल्ब बदलणे (सरकारी ऊर्जा दर्जानुसार). - तक्रार नोंदणी व त्वरित निराकरण.	
16	सार्व. स्वच्छतागृहे / सामुहिक स्वच्छतागृहे	**1. बांधकामाची गुणवत्ता** - भिंती, छत, फरशी गळतीमुक्त. - टाईल्स तुटलेल्या असल्यास त्वरित दुरुस्ती. **2. नळ, पाणीपुरवठा व ड्रेनेज** - नळात पाणी येते का, लिकेज नाही. - ड्रेनेज जाम नसावे, गटार स्वच्छता. **3. स्वच्छता व निर्जंतुकीकरण** - दैनंदिन साफसफाई, दुर्गंधी मुक्त राखणे. - वेंटिलेशन, प्रकाश व्यवस्था योग्य. **4. सुरक्षा व देखरेख** - महिलांसाठी स्वतंत्र विभाग, दिवे पुरेसे. - दरवाजे, कुलूप सुस्थितीत.	

17	रुग्णालय / आरोग्य केंद्र	**1. रचना व आरोग्य सुरक्षा** - रुग्णोपचार कक्ष, प्रतीक्षा कक्ष: बसण्याची व्यवस्था, साफसफाई. - भिंती, छत भेगामुक्त, शौचालये कार्यरत. **2. वैद्यकीय उपकरणे** - इमर्जेन्सी उपकरणे: ऑक्सिजन सिलिंडर, व्हीलचेअर, स्ट्रेचर तपासणी. - रेफ्रिजरेटर (औषधांसाठी): तापमान नियंत्रण, नियमित स्वच्छता. **3. फायर सुरक्षा व सीसीटीव्ही** - फायर अलार्म, एक्स्टिंग्विशर, इमर्जेन्सी एग्जिट चिन्हे. - सीसीटीव्ही फीड, DVR स्टोअरेज, डेटा सिक्युरिटी. **4. स्वच्छता व कचरा व्यवस्थापन** - बायोमेडिकल वेस्ट सेग्रीगेशन: पिवळे, काळे, लाल पिशव्या इ. नियमानुसार. - वॉर्ड, शौचालयांची निर्जंतुकीकरण, बेडशीट बदल, इतर हायजीन.	
18	पशुपक्षी दवाखाना	**1. पशुपक्षी उपचार कक्ष** - फरशी, भिंती स्वच्छ व निर्जंतुक. - औषध, लशी नियमानुसार स्टोअर (उचित तापमान). **2. पशुधन देखभाल** - पिंजरे, तात्पुरती जागा: दररोज सफाई, गंधनियंत्रण. - मलमूत्र वाहून जाण्यासाठी व्यवस्थित ड्रेनेज. **3. सुरक्षा** - आक्रमक पशुपक्षीसाठी वेगळी व्यवस्था, जाळी. - फायर सेफ्टी यंत्रणा, सीसीटीव्ही (असल्यास).	
19	आरक्षणाच्या / रस्त्याच्या ताब्यातील जागा	**1. अनधिकृत बांधकाम नियंत्रण** - अतिक्रमण, अनधिकृत स्टॉल्स, झोपड्या यांची वेळोवेळी तपासणी. - गरज असल्यास कारवाई व सूचना फलक लावणे. **2. परिसराची साफसफाई** - कचरा, मोकाट प्राणी, गवत नियोजन करून साफ करणे. - जंतुनाशक फवारणी, धूर नियंत्रण. **3. सार्वजनिक वापर नियोजन** - नियोजित विकास प्रकल्पांसाठी जागा राखीव ठेवणे. - तात्पुरते बाजार / पार्किंग इ. महापालिकेच्या परवानगीने.	
20	नाट्यगृह इमारत	**1. मंडप व रंगमंचाची संरचना** - रंगमंचाचा मजला: तडे नसावेत, पडदे व लटकणाऱ्या बाजू घट्ट बसलेली असावीत. - आसन व्यवस्था: खुर्च्या, सीट नं. स्पष्ट, तुटलेली नसावीत. **2. ध्वनी व प्रकाश योजना** - साउंड सिस्टम: माईक, स्पीकर, कॉर्डलेस सेफ्टी चेक. - लाईटिंग बोर्ड: फोकस लाईट्स, स्ट्रोब इ. सुरळीत कार्यरत. **3. सुरक्षा उपाय** - फायर एग्जिट, अलार्म, एक्स्टिंग्विशर: संकेत फलकांसह. - सीसीटीव्ही: मुख्य प्रवेशद्वार, प्रेक्षक गॅलरी.	

		4. प्रेक्षक व कलाकार सुविधा - ग्रीन रूम, मेकअप रूम: स्वच्छता, आरसे, दिवे. - शौचालये: स्वच्छ, पाण्याचा पुरवठा. - तिकीट खिडकी, प्रतीक्षा कक्ष, पार्किंग.	
21	**क्रीडा संकुल / स्विमिंग पूल**	**1. क्रीडा संकुल सुविधांची स्थिती** - इनडोअर कोर्ट (बॅडमिंटन, बास्केटबॉल): फरशी न सपक नसावी. - आउटडोअर ग्राउंड: खड्डे नसावेत, ग्राउंड लेव्हलिंग. **2. स्विमिंग पूल देखभाल** - पाण्याची गुणवता: क्लोरीन पातळी, पीएच घाचणी. - फिल्टर, पंप, रेग्युलेटरचे दैनंदिन मॉनिटरिंग. - पूल शेजारील फरशी घसरडी नसावी. **3. सुरक्षा उपाय** - लाईफ गार्ड उपस्थिती, लाईफ जॅकेट, बुओई. - फर्स्ट एड किट, स्ट्रेचर, इमर्जन्सी अलार्म. - बदलण्याची खोली, शॉवर, बॉथरूम: स्वच्छता व निर्जंतुकीकरण.	
22	**क्रिकेट पीच / टर्फ**	**1. पीचची देखभाल** - पिच रोलिंग: सपाटपणा, गवताची योग्य लांबी. - पाणीपुरवठा व ड्रेनेज: पावसाळ्यात पाणी साठू नये. **2. परिसराची सुरक्षा** - बाउंड्री लाईन: दोरी किंवा जाहिरात फलेक्स तुटलेले नसावे. - नेट प्रॅक्टिस क्षेत्र: जाळी सुस्थितीत. - प्लेयर्स ड्रेसिंग रूम: स्वच्छ, व्हेंटिलेशन. **3. उपकरणे** - स्टंप, बॉल, नेट, रोलर: तुटलेले नसावेत, योग्यरित्या ठेवावे. - पिच कव्हर: पावसाळ्यात पिच झाकण्याची व्यवस्था.	
23	**सी.सी.टी.व्ही. यंत्रणा**	**1. कॅमेरे व त्यांची जागा** - लेन्स स्वच्छ: धूळ, जळमट नको. - हाऊसिंग (Weatherproof): गंज, क्रॅक नाही. - वीजपुरवठा व केबल कनेक्शन नीट तपासा. **2. रेकॉर्डिंग यंत्रणा (DVR/NVR)** - स्टोअरेज क्षमता: फुटेज रेग्युलर ओव्हररायट होणार नाही याची काळजी. - तारीख/वेळेचे सेटिंग अचूक, बॅटरी बॅकअप. **3. आणीबाणीची व्यवस्था** - अनधिकृत छेडछाड अलार्म (टॅम्पर अलर्ट). - डेटा सुरक्षेच्या दृष्टीने पासवर्ड प्रोटेक्शन, बॅकअप पद्धती.	
24	**सार्व. रस्ते / फुटपाथ**	**1. रस्त्याची गुणवता** - खड्डे, तडे, खडी उखडली असल्यास तातडीने दुरुस्ती. - गटारांची पातळी रस्त्याशी जुळेल अशी व्यवस्था. **2. फुटपाथ व अतिक्रमण** - फुटपाथ: तुटलेले ब्लॉक, फरशी दुरुस्ती. - अनधिकृत फेरीवाले, दुकानांचे अतिक्रमण टाळणे.	

		3. वाहतूक सुरक्षा - झेब्रा क्रॉसिंग, स्पीड ब्रेकर, रस्तेचिन्हे रंग उठावदार. - स्ट्रीट लाईट, रिफ्लेक्टिव्ह चिन्हे, गार्ड रेल.	

9. अहवाल व सातत्यपूर्ण सुधारणा (Reporting & Continuous Improvement)

1. **माहिती संकलन:**
   - दरमहा/त्रैमासिक विभागप्रमुख आपापल्या तपासणी अहवालांचे संकलन करतात.
   - मोठ्या दुरुस्त्या किंवा आर्थिक तरतुदींसाठीचे प्रस्ताव वरिष्ठ व्यवस्थापनाला पाठवतात.
2. **आढावा बैठका:**
   - महापालिका आयुक्त किंवा वरिष्ठ अधिकाऱ्यांसोबत नियमित बैठका घेऊन समस्या, प्रगती व सुधारणा यावर चर्चा करणे.
3. **दुरुस्ती व प्रतिबंधात्मक उपाय:**
   - वारंवार दिसणाऱ्या समस्यांचे (उदा. वारंवार पाईप लिकेज किंवा संरचनेत भेगा) मूळ कारण शोधून प्रतिबंधात्मक पावले उचलणे.
4. **दस्तावेजीकरण:**
   - सर्व (मानक कार्यपध्दती) SOP, चेकलिस्ट, दुरुस्ती नोंदी, ठेकेदार बिल, छायाचित्रे इत्यादींचे नोंदीकरण एकाच ठिकाणी (हार्ड कॉपी किंवा डिजिटल) राखणे.
5. **(मानक कार्यपध्दती) SOP पुनर्विलोकन:**
   - नवीन नियम, सुधारित तंत्रज्ञान किंवा नव्या समस्या लक्षात घेऊन ही (मानक कार्यपध्दती) SOP वेळोवेळी अद्ययावत करणे.
   - बदल महापालिका आयुक्त किंवा नियुक्त अधिकाऱ्यांच्या मंजुरीने करणे.

10. मान्यता व अधिकृतता (Approval & Authorization)

- **तयार केलेले:**
  नाव,पद,विभाग नाव
- **पुनर्विलोकन (Reviewed By):** नाव,पद,विभाग नाव (उदा. शहर अभियंता, आरोग्य अधिकारी, शिक्षण अधिकारी इ.)
- **मंजूर (Approved By):** (उदा. महापालिका आयुक्त)
- **मंजुरीची तारीख (Date of Approval):**
  पुनर्विलोकनाची पुढील तारीख (Next Review Date): *(साधारणतः १ ते २ वर्षांनंतर किंवा गरजेनुसार.)*

या (मानक कार्यपध्दती) SOP मध्ये आता उद्देश, व्याप्ती, भूमिका/जबाबदाऱ्या, वारंवारिता, कार्यपद्धती, तपासणी चेकलिस्ट आणि अहवाल व्यवस्थापन असे सर्व मुख्य घटक समाविष्ट आहेत. पूर्वीची तपशीलवार चेकलिस्ट कलम 8 मध्ये कॅटबिट् म्हणून दिली आहे. मालमत्ता आणि सुविधांच्या अवस्था तपासण्यासाठी आणि

सुधारणा करण्यासाठी याचा वापर करावा. योग्य तेथे स्थानिक व शासकीय नियम किंवा तांत्रिक सुधारणा समाविष्ट करून ही (मानक कार्यपध्दती) SOP अद्ययावत ठेवावी.

सदर (मानक कार्यपध्दती) SOP ची अंमलबजावणी करण्यासाठी 2 Estate manager यांना प्रभाग निहाय कामे नेमुन देण्यात येतील. त्यांचे Geo fencing करणे, प्रत्यक्ष जागेवर गेल्यानंतरच प्रत्येक बाबीचे निरीक्षणाअंती फोटो घेऊन Software मध्ये Upload करणे, दर 15 दिवसांनी ठिकाणांना पुनश्च भेटी देणे या प्रकारे अटीशर्ती ठेऊनच धोरणाची अंमलबजावणी करण्यात येईल.

धोरणातील मालमतेच्या ठिकाणी तपासावयाच्या बाबींत आवश्यकतेनुसार समावेश करण्याचा अधिकार मा.आयुक्त यांना राहील. त्याप्रकारे बदल करण्यात येईल.

मिरा भाईंदर महानगरपालिका अंतर्गत मालमत्ता आणि पायाभूत सुविधांच्या तपासणी, देखभाल व व्यवस्थापनासाठी मानक कार्यपद्धती (मानक कार्यपध्दती) SOP धोरणास प्रशासकीय ठरावाद्वारे मान्यता देणेस शिफारस आहे.

(दिपक खांबित)
शहर अभियंता
मिरा भाईंदर महानगरपालिका

मा.आयुक्त यांच्या मान्यतेने

मा. महासभा / स्थायी समिती सभा
बैठक दि. 30/09/24 रोजी मा.
ठराव क्र. ४०८ - 2024/२८
30/9/24
मिरा-भाईंदर महानगरपालिका

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव ४०२ दिनांक :- 04/02/2025

प्रकरण क्रमांक :- (४०२) मिरा भाईंदर महानगरपालिका अंतर्गत मालमत्ता आणि पायाभूत सुविधांच्या तपासणी, देखभाल व व्यवस्थापनासाठी मानक कार्यपद्धती (SOP) धोरणाद्वारे निश्चित करणे.

2. उद्देश

या (मानक कार्यपध्दती) SOP चा उद्देश मिरा भाईंदर महानगरपालिकेच्या ताब्यातील विविध मालमत्तांची, सुविधा व पायाभूत सुविधांची **नियमित तपासणी, देखभाल** आणि **व्यवस्थापन** करणारी **मानक कार्यपद्धती** स्थापित करणे हा आहे. प्रमुख उद्देश पुढीलप्रमाणे:

1. **सुरक्षा**: सर्व मालमत्ता संरचनात्मक आणि कार्यात्मकदृष्ट्या सुरक्षित राहाव्यात.
2. **कार्यक्षमता**: विद्युत, जलपूरवठा, सांडपाणी व्यवस्थापन, उद्याने इत्यादी सर्व प्रणाली सतत कार्यरत ठेवणे.
3. **स्वच्छता व आरोग्य**: सार्वजनिक आरोग्याच्या दृष्टीने स्वच्छता व निर्जंतुकीकरणाचे पालन करणे.
4. **नियम व अटींचे पालन**: सर्व संबंधित शासकीय मार्गदर्शक तत्त्वे, इमारत नियम व इतर कायदे पाळणे.

3. व्याप्ती

ही (मानक कार्यपध्दती) SOP पुढील सर्व मिरा भाईंदर महानगरपालिकेच्या मालमत्ता, सुविधा व पायाभूत सुविधांना लागू होते, तसेच तपासणी व देखभाल करणाऱ्या अधिकाऱ्यांना, कर्मचाऱ्यांना किंवा बाह्य संस्थांना (Contractors/Agencies) देखील बंधनकारक आहे. यामध्ये समाविष्ट (परंतु मर्यादित नसलेल्या) मालमत्तांची सूची:

1. मुख्य कार्यालय
2. प्रभाग समिती कार्यालये
3. सार्वजनिक सभागृह / समाजमंदिर / स्टेज, व्यायामशाळा
4. ज्येष्ठ नागरिक विरंगुळा केंद्र
5. वाचनालय / अभ्यासिका
6. शाळा इमारती
7. अग्निशमन केंद्र इमारती
8. स्मशानभूमी / दफनभूमी
9. पाणपोई / फाऊंटन / सेल्फी पॉईंट
10. उद्याने / मैदाने, दुभाजक / वाहतूक बेट
11. गटारे / नाले, झाकणे
12. रस्त्यावरील विविध दिशादर्शक फलक
13. पाण्याच्या टाक्या, मलनिस्सारण केंद्र, पंपिंग स्टेशन
14. सिग्नल यंत्रणा
15. स्ट्रीट लाईट व्यवस्था
16. सार्वजनिक स्वच्छतागृहे / सामुदायिक स्वच्छतागृहे
17. रुग्णालय / आरोग्य केंद्र
18. पशुपक्षी दवाखाना
19. आरक्षणाच्या / रस्त्याच्या ताब्यातील जागा
20. नाट्यगृह इमारत
21. क्रीडा संकुल / स्विमिंग पूल
22. क्रिकेट पीच / टर्फ

23. सी.सी.टी.व्ही. यंत्रणा

24. सार्वजनिक रस्ते / फुटपाथ

4. व्याख्या व संदर्भ (Definitions & References) (ऐच्छिक)

- **तपासणी (Inspection)**: मालमतेची सद्यस्थिती तपासण्यासाठी नियोजनबद्ध किंवा निर्धारित वेळापत्रकानुसार घेतली जाणारी पहाणी/चाचणी.
- **देखभाल (Maintenance)**: तपासणीवेळी दिसून आलेल्या दोषांचे/उणीवांचे निवारण किंवा आवश्यक दुरुस्त्या करणे.
- **व्यवस्थापन (Upkeep)**: सातत्याने साफसफाई, कामकाज आणि कार्यक्षमतेसाठी केले जाणारे नियमित प्रयत्न.
- **MBMC मार्गदर्शक तत्वे**: महानगरपालिकेने जाहीर केलेले कोणतेही नियम, परिपत्रके, अधिसूचना इ.
- **शासकीय नियम**: राज्य किंवा केंद्र शासनाचे इमारत नियम, महानगरपालिका कायदे, पर्यावरण किंवा सुरक्षा संबंधीचे नियम.

(लागेल तसा अधिक संदर्भ किंवा व्याख्या वाढवू शकता.)

5. भूमिका व जबाबदाऱ्या (Roles & Responsibilities)

1. **महापालिका आयुक्त**
   - या (मानक कार्यपध्दती) SOP च्या अंमलबजावणीवर आणि देखरेखीवर सर्वोच्च अधिकार.
   - मोठ्या प्रमाणातील दुरुस्त्या किंवा निधीशी संबंधित प्रस्ताव मंजूर करणे.
2. **शहर अभियंता / कार्यकारी अभियंता (सिव्हिल / विद्युत / यांत्रिक)**
   - तपासण्या व तांत्रिक मूल्यांकन यांचे समन्वयन व देखरेख.
   - दुरुस्ती किंवा विकास कामांसाठी वर्क ऑर्डर्स तयार करणे आणि मंजूर करणे.
3. **विभागप्रमुख / विभाग प्रमुख (उदा. आरोग्य, अग्निशमन, शिक्षण)**
   - आपल्या विभागाशी संबंधित मालमतांची नियोजित वेळापत्रकानुसार तपासणी सुनिश्चित करणे.
   - दुरुस्ती किंवा व्यवस्थापनासाठी तातडीने पावले उचलणे.
4. **नोडल अधिकारी / नामनिर्दिष्ट कर्मचारी**
   - दिवसेंगणिक तपासणी, वर दिलेल्या चेकलिस्टद्वारे आढावा घेणे.
   - "होय/नाही" स्तंभात नोंद करणे व "नाही" असल्यास पुढील कारवाईसाठी वरिष्ठांना कळवणे.
5. **ठेकदार / बाह्य संस्था (Contractors / External Agencies)** (जर लागू असेल तर)
   - विशेष देखभाल किंवा दुरुस्तीचे काम करणे.
   - पूर्ण कामाचा अहवाल आणि तपशील महानगरपालिकेला देणे.
6. **तपासणी व ऑडिट पथक**
   - ठराविक कालावधीत रँडम तपासणी / ऑडिट करून खात्री करणे की SOP चे पालन होत आहे.
   - नियमभंग आढळल्यास संबंधित विभागांना सुधारणा सूचना देणे.

6. वारंवारिता व कालमर्यादा (Frequency & Timeline)

- **मासिक / त्रैमासिक तपासणी**:
  किरकोळ दुरुस्त्या, तत्काळ उपाययोजना यांसाठी.
- **सहामाही / वार्षिक तपासणी**:
  व्यापक तपासणी, प्रतिबंधात्मक देखभाल, मोठ्या प्रमाणातील दुरुस्त्या.

- **पावसाळ्यापूर्व व पावसाळ्यानंतरची तपासणी:**

  संरचनेची मजबुती, गटार व नाला सफाई, पाणी साठू नये यासाठी विशेष देखरेख.

- *(प्रत्येक विभागाने त्यांच्या वापरावर, धोका-पातळीवर व नियामक मागण्यांनुसार तपशीलवार वेळापत्रक ठरवावे.)*

7. कार्यपद्धती (Procedure)

7.1 तपासणीपूर्व तयारी (Pre-Inspection Preparation)

1. **सूचना देणे:** संबंधित विभाग/अधिकारी तपासणीचे वेळापत्रक तयार करून कर्मचारी किंवा कार्यसंघाला माहिती देतात.
2. **चेकलिस्ट व साधने:**
   - तपासणी चेकलिस्ट (मुद्रित किंवा डिजिटल) सोबत ठेवावी.
   - गरजेनुसार साधने (उदा. मापन फीत, रंग चाचणी यंत्र, सुरक्षा साहित्य) सोबत ठेवावे.

7.2 प्रत्यक्ष तपासणी (Conducting the Inspection)

1. **मालमत्तेला भेट देणे:** तपासणीसाठी प्रत्यक्ष स्थळी जाऊन स्थिती पाहणे.
2. **दृष्य व प्रत्यक्ष तपासणी:**
   - संरचना, सुरक्षा उपकरणे, स्वच्छता, यांत्रिक व विद्युत बाबी इ. पडताळून पाहणे.
   - चेकलिस्टमध्ये "होय/नाही" स्तंभात योग्य नोंद करणे.
3. **छायाचित्रे / पुरावे:**
   - गंभीर तुटफूट किंवा धोकादायक बाबी असल्यास फोटो काढून दस्तावेज तयार करणे.
   - डिजिटल किंवा मालमत्तेच्या संबंधित फाईलमध्ये सुरक्षित ठेवणे.

7.3 नोंद व अहवाल (Recording and Reporting)

1. **चेकलिस्ट भरणे:**
   - समाधानकारक असल्यास "होय" दर्शवा.
   - उणीवा असल्यास "नाही" दर्शवा आणि 'टिप्पणी/Comments' मध्ये तपशीलाने लिहा.
2. **तातडीची दुरुस्ती:**
   - फुटलेला दिवा, लहान लिकेज असे किरकोळ मुद्दे असल्यास शक्य तितक्या लवकर दुरुस्त करा.
3. **मातबर समस्या असल्यास उचलायची पावले:**
   - मोठ्या प्रमाणावरील तडे, विद्युत धोका इ. असल्यास **शहर अभियंता / विभाग प्रमुख** यांना कळवा.
4. **अहवाल सादर करणे:**
   - तपासणी पूर्ण झाल्यावर भरलेली चेकलिस्ट विभागप्रमुख किंवा मुख्य फाईलला सुपूर्द करा.

7.4 देखभाल व व्यवस्थापन (Maintenance & Upkeep)

1. **कार्यादेश :**
   - "नाही" असल्यास दुरुस्ती किंवा व्यवस्थापनासाठी त्वरित कार्यादेश द्यावे.
2. **ठेकेदार / अंतर्गत कर्मचाऱ्यांशी समन्वय:**
   - आवश्यक असल्यास बाह्य ठेकेदारांना काम सोपवावे किंवा अंतर्गत तांत्रिक कर्मचाऱ्यांकडून दुरुस्ती करून घ्यावी.
3. **पुनर्तपासणी:**
   - दुरुस्ती पूर्ण झाल्यावर पुन्हा तपासणी करून समस्या सुटली आहे याची खात्री करा.
   - चेकलिस्टमध्ये "होय" असा बदल करून प्रकरण बंद करा.

7.5 दस्तावेज व्यवस्थापन व नोंदणी (Record-Keeping & Documentation)

1. **फाईल / डिजिटल संग्रह:**
   - पूर्ण केलेल्या चेकलिस्ट, दुरुस्ती बिल, फोटो इ. चा संग्रह हार्ड कॉपी किंवा डिजिटल स्वरूपात ठेवा.
2. **ऑडिट ट्रेल:**
   - दुरुस्तीची तारीख, जबाबदार अधिकारी, दुरुस्तीचा प्रकार, खर्च इत्यादींची नोंद ठेवा.
3. **वार्षिक आढावा:**
   - वर्षभरातल्या तपासणी अहवालांचे विश्लेषण करून वारंवार येणाऱ्या समस्या, आवश्यक बजेट आणि सुधारणा यावर लक्ष द्या.

8. तपासणी चेकलिस्ट (Inspection Checklist)

खालील तक्ता हा **तपशीलवार तपासणी चेकलिस्ट** म्हणून वापरावा. **"होय/नाही"** स्तंभात तपासणी निकाल नोंदावा. जर एखाद्या मालमत्तेअंतर्गत अनेक उपघटक असतील, तर तक्त्यात उप-स्तंभ/नोंदी वापरता येतील.

टीप: पुढील सारणीतील मुद्दे *"काय तपासावे"* याचा संदर्भ देतात. वास्तविक तपासणी दरम्यान, सद्यस्थिती **"होय"** (सुस्थितीत) अथवा **"नाही"** (दुरुस्तीची गरज) म्हणून नोंदवावी.

अ. क्र.	मालमत्ता	तपासवयाच्या व सुस्थितीत ठेवावयाच्या बाबी (सविस्तर विवरण)	तपासण पुर्ण? (होय/नाही)
1	**मुख्य कार्यालय**	**1. इमारतीची संरचना (Structural Elements)** **- छप्पर/टेरेस:** • वॉटरप्रूफिंग लेयर तपासा (उकललेली, तडे गेलेली नाही ना?). • गळती असल्यास कारण शोधून तातडीने दुरुस्ती (क्रॅक्स, ड्रेनेज ब्लॉकेज). • टेरेसवरील पाणी साठणार नाही यासाठी निचरा व्यवस्था (पाईप, गटार). **- भिंती:** • ओलसरपणा, रंगउडी (पेंट पिलिंग) किंवा ओलसरपणाची चिन्हे. • प्लास्टर सुटणे किंवा निघणे यांची तपासणी. **- पाया/स्ट्रक्चरल मजबुतीकरण:** • दृश्यभेगा नसाव्यात, जर मोठ्या भेगा दिसल्या तर अभियंत्यांकडून तपासणी. • भूकंपरोधक किंवा अन्य सुरक्षा मानदंडांची पूर्तता. **2. बाह्य स्वरूप (Exterior)** **- बाहेरील रंगकाम:** • रंग उडालेला, भेगा असलेल्या भागाला त्वरित दुरुस्ती. • भिंगरी, शैवाल किंवा शेवाळ असल्यास साफसफाई. **- परिसराची साफसफाई:** • कचरा, सुटे गवत/झुडपे काढणे. • ड्रेनेज/नाले चोकअप नाहीत याची खात्री. **3. आतील भाग (Interiors)** **- जमिनीवरील फरशी/टाईल्स:** • तुटलेल्या किंवा उसळलेल्या टाईल्स दुरुस्ती. • घसरडी पृष्ठभाग टाळण्यासाठी दैनंदिन साफसफाई. **- दरवाजे, खिडक्या:** • हिंज, लॉक, सील, गॅसकेट नीट आहेत का? • लाकडी घटकांना कीड/बुरशी नाही ना?	

- **सीलिंग:**
• पंखे, दिवे, फॉल्स सीलिंगमध्ये भेगा.
• पाणी गळती/ओलसरपणा नसावा.
- **फर्निचर:**
• टेबल, खुर्च्या, कपाटे तुटलेली वा जीर्ण.
• स्वच्छता व सुरक्षित ठेवणी व्यवस्था.

4. विद्युत प्रणाली (Electrical System)

- **मुख्य वितरण पटल (DB), ब्रेकर, अर्थिंग:**
• सर्किट ओव्हरलोड किंवा स्फोट होऊ नये याची काळजी.
• तांबे वायरींग, अर्थिंग चाचणी वेळोवेळी.
- **दिवे, पंखे, ए.सी.:**
• दिवे चालू/बंद व्यवस्थित, पंख्यांत स्पार्किंग नाही.
• ए.सी. फिल्टर साफ, गॅस लीक नाही.
- **बॅकअप यंत्रणा (जेनरेटर/युपीएस असल्यास):**
• इंधनाची उपलब्धता, बॅटरी चेक.
• वेळोवेळी टेस्ट रन.

5. पाणीपुरवठा व प्लंबिंग

- **शौचालये व बाँथरूम:**
• नळ, फ्लश, बेसिन, ड्रेनेज जाम नाही.
• गळती असल्यास त्वरित दुरुस्ती.
- **पिण्याचे पाणी:**
• फिल्टरेशन युनिट (आरओ/युनिट) वेळोवेळी साफ.
• टँक स्वच्छता (वार्षिक/अर्धवार्षिक).

6. स्वच्छता व्यवस्थापन

- **शौचालये, बाँथरूम:**
• दैनंदिन डिसइन्फेक्शन, टॉयलेट क्लीनरचा वापर.
• भिंती, फरशी स्वच्छ, दुर्गंधी नसावा.
- **कचरा व्यवस्थापन:**
• ड्राय व वेट कचऱ्याचे विलगीकरण.
• कचरा बाहेर काढण्याची नियमित व्यवस्था.

7. सुरक्षा व्यवस्थापन

- **सीसीटीव्ही:**
• कॅमेरे कार्यरत, रेकॉर्डिंग स्पष्ट.
• स्टोअरेज (DVR/NVR) बॅकअप तपासा.
- **फायर सुरक्षा:**
• फायर एक्स्टिंग्विशरची वैधता (रिफिल डेट).
• धूर संवेदक (Smoke Detector), फायर अलार्म तपासणी.
- **आपत्कालीन मार्ग:**
• बाहेर पडण्याचे दरवाजे, फलक स्पष्ट.
• आपत्कालीन दिवे (Emergency Lights).

8. इतर बाबी

- **लिफ्ट (असल्यास):**
• वार्षिक तपासणी, सेफ्टी सर्टिफिकेट, ओव्हरलोड अलार्म.
• इमर्जेन्सी इंटरकॉम किंवा अडकल्यास सूचना यंत्रणा.

		- इन्शुरन्स / वारंटी कागदपत्रे: • संरचनेचे, उपकरणांचे कागदपत्रे अप-टू-डेट आहेत का? • केव्हाही घाचणी/दुरुस्तीला गरज लागल्यास उपलब्ध.	
2	**प्रभाग समिती कार्यालये**	**1. इमारत व संरचना** - छप्पर/भिंती/फरशी: गळती, भेगा वा तडे तपासा. - प्रभागस्तरीय सभागृह: खुर्च्या, टेबल, ऑडिओ यंत्रणा (असल्यास) सुस्थितीत. **2. विद्युत व पाणीपुरवठा** - लाईट्स, पॅन्स, सॉकेट्स: स्पार्किंग किंवा ढिलसे कनेक्शन नाही. - शौचालये: पाण्याचे प्रेशर, ड्रेनेज, लिकेज तपासणी. **3. सुरक्षा** - सीसीटीव्ही: प्रवेशद्वार, महत्त्वाच्या कार्यालयीन जागा कव्हर. - फायर एक्स्टिंग्विशर: मोक्याच्या ठिकाणी सहज उपलब्ध. - दस्तावेज कपाट/लॉकर: कुलूप, सुरक्षा व्यवस्था. **4. सार्वजनिक सोयी** - प्रतीक्षा कक्ष: बसण्याची व्यवस्था, पिण्याचे पाणी. - माहिती फलक: सरकारी योजना, संपर्क क्रमांक, प्रभाग अधिकारी माहिती.	
3	**सार्व. सभागृह / समाजमंदिर / स्टेज, व्यायामशाळा**	**1. स्टेज/सभागृह संरचना** - स्टेजचा मजला: घसरडी नसावी, तडे गेले नसावेत. - ध्वनी प्रणाली: स्पीकर, माईक, ॲम्प्लिफायर घाचणी. **2. व्यायामशाळा (Gym) उपकरणे** - मशीनचे ऑइलिंग, बोल्ट्स टाइट, तुटलेले पार्ट्स नाहीत. - विद्युत पॉईंट्स: सुरक्षित प्लग, अर्थिंग, शॉर्टसर्किट नाही. **3. आणीबाणीची साधने** - फायर एग्जिट: कुठेही अडथळा नसावा. - फायर अलार्म, एक्स्टिंग्विशर: वैधता व कार्यक्षमता. - सीसीटीव्ही: सभागृहातील गर्दी व्यवस्थापन व सुरक्षा. **4. सार्वजनिक सोयी** - बसण्याची जागा: खुर्च्या, बेंच तुटलेल्या नसाव्यात. - ध्वनीप्रदूषण नियंत्रण: सभागृहाचा ध्वनीप्रतिध्वनी नियोजन. - स्वच्छ शौचालय व पेयजल सुविधा.	
4	**ज्येष्ठ नागरिक विरंगुळा केंद्र**	**1. इमारत व परिसर** - प्रवेशद्वार: व्हीलचेयर रॅम्पची पायरी घसरडी नसावी. - बेंच, खुर्च्या: गंजलेली, तुटलेली नसावीत, दैनंदिन साफसफाई. **2. विद्युत, पाणी व शौचालय** - लाइटिंग: संध्याकाळी पुरेशी रोषणाई. - पिण्याचे पाणी: फिल्टर, थंडपाण्याचे कुलर (असल्यास). **3. सुरक्षा** - घसरू नये म्हणून फरशीवर ॲंटी-स्लिप मॅट किंवा रबर लेयर. - आपत्कालीन कॉल बेल/अलार्म: ज्येष्ठांना तत्काळ मदत मिळावी. **4. सामाजिक सोयी** - वाचन कोपरा: वर्तमानपत्रे, मासिके, पुस्तके. - करमणुकीची साधने: टीव्ही, रेडिओ, संगीत प्रणाली (आवाज मर्यादेत).	
5	**वाचनालय / अभ्यासिका**	**1. इमारत व शांतता** - खिडक्यांचे सीलिंग: बाहेरील आवाज कमी करण्यासाठी.	

		- वातानुकूलन (ए.सी.) किंवा पंखे: अभ्यासाला अनुकूल वातावरण. **2. पुस्तकांच्या कपाटांची देखभाल** - रॅक्स/शेल्फ: धूळ, कीटकांपासून सुरक्षित ठेवणे. - पुस्तकांवरील वर्गीकरण, कीटकनाशक फवारणी (आवश्यकतेनुसार). **3. विद्युत व्यवस्था** - पुरेशी प्रकाशव्यवस्था: वाचनासाठी पुरेसा उजेड. - वायरिंग: शॉर्टसर्किट होणार नाही, अर्थिंग व्यवस्थित. **4. स्वच्छता** - फरशी: दैनंदिन झाडू-पोछा, घसरडी नसावी. - शौचालये: स्वच्छता, पाण्याचा पुरवठा, वायुविजन (Ventilation).	
6	**शाळा इमारती**	**1. सुरक्षित इमारत** - वर्गखोल्या: छतावर, भिंतींवर भेगा नकोत. - खेळाचे मैदान: झोके, घसरगुंडी, इतर खेळणी तुटलेली नसावीत. **2. विद्युत व पाणीपुरवठा** - लाईट्स, पंखे, कॉम्प्युटर लॅबमध्ये विद्युत सुरक्षा. - वॉशरूम: स्वच्छता, पिण्याचे पाणी, ड्रेनेज सुस्थितीत. **3. सुरक्षा व्यवस्था** - फायर एक्स्टिंग्विशर, फायर अलार्म: मुलांसाठी वापरण्याबाबत मार्गदर्शन. - सीसीटीव्ही: प्रवेशद्वार, व्हरांडा, जिना. - सुरक्षा रक्षक/शिपाई: ओळखीव्यतिरिक्त लोकांना प्रवेशबंदी. **4. आरोग्यदायी वातावरण** - कचरा विल्हेवाट: नियमित उचल, डस्टबिन वापर. - डास/कीटक नियंत्रण: फवारणी, पाणी साठणार नाही. - कंपाउंड वा कुंपण: बाहेरील अनधिकृत प्रवेश रोखणे.	
7	**अग्निशमन केंद्र इमारती**	**1. इमारत व गॅरेज** - पार्किंग परिसर: अग्निशमन वाहनांना सोयीस्कर जागा. - भिंती, छत: नवा स्लॅब वा भेगा नसाव्यात. **2. अग्निशमन उपकरणे** - अग्निशमन गाड्या: पंप, होझ, सीढ्या, पाणी/फोम टँक तपासणी. - हायड्रंट सिस्टम: क्षेत्रातील हायड्रंट कार्यरत आहेत का? **3. विद्युत व पाणी व्यवस्था** - आपत्कालीन दिवे, सायरनची तपासणी. - पाण्याचा प्रेशर योग्य, पाईप लिकेज नाही. **4. कर्मचारी सुविधा** - विश्रांतीगृह: बेड, बसण्याची जागा, शौचालय स्वच्छता. - सुरक्षा साधने: हेल्मेट, प्रोटेक्टिव्ह गियर, रेडिओ कम्युनिकेशन.	
8	**स्मशानभूमी / दफनभूमी**	**1. परिसराची संरचना व प्रवेश** - मुख्य दरवाजा: सुरक्षित, अतिक्रमणमुक्त. - अंतर्गत रस्ते: गटार व्यवस्था, घसरडी नसावीत. **2. स्मशान / दफन सुविधा** - विद्युत/गॅस दहन प्रणाली: दैनंदिन क्लीनिंग, कार्यक्षमता. - शव वाहतूक मार्ग व ताटातूट क्षेत्र (पोस्टमार्टेम नसल्यास दुर्लक्ष्य). **3. सार्वजनिक सोयी** - विश्रांतीगृह: बसण्याची व्यवस्था, पंखे. - पिण्याचे पाणी, स्वच्छतागृह (दुर्गंधी टाळण्यासाठी काळजी).	

		4. सांडपाणी व्यवस्थापन - नाल्या/गटारे: नियमित साफसफाई. - कीटकनाशक फवारणी, दुर्गंधी रोखण्यासाठी रसायने.	
9	**पाणपोई / फाऊंटन / सेल्फी पॉईंट**	**1. पाणपोईची स्वच्छता** - दररोज स्वच्छ पाण्याची उपलब्धता (टँकर/लाइन). - नळ व टँक स्वच्छ, गाळ साचलेला नसावा. **2. फाऊंटन यंत्रणा** - पंप: नियोजनबद्ध वेळापत्रकानुसार ऑन/ऑफ, गळती नसावी. - पाईप्स, नोजल: अडथळे/कचरा नको. - इलेक्ट्रिकल कनेक्शन: अर्थिंग, शॉक प्रोटेक्शन. **3. सेल्फी पॉईंट / सजावट** - संरचना (आकृती, फलक) वरचे रंगकाम/दगडी नक्षीकाम तपासा. - फरशी घसरडी नसावी, सायंकाळी प्रकाश व्यवस्था. - सौंदर्य वृद्धीसाठी फुले/झाडे (आकार, नियोजन).	
10	**उद्याने / मैदाने, दुभाजक / वाहतुक बेट**	**1. उद्यान व मैदान देखभाल** - झाडे, फुले, गवत: नियमित पाणी, खत, छाटणी. - वॉकिंग ट्रॅक: तडे, खड्डे नसावेत, झोके/खेळणी सुस्थितीत. **2. स्वच्छता व सुरक्षा** - कचरा कुंड्या: नियोजनबद्ध रिकाम्या करणे. - गार्डन लाईट/सोलार दिवे: तारांमध्ये गळती नसावी. - सीसीटीव्ही (असल्यास): फीड स्पष्ट, रेकॉर्डिंग. **3. दुभाजक / वाहतूक बेट** - रोपांची लागवड: नियमित पाणी, छाटणी. - रिफ्लेक्टिव्ह टेप किंवा चिन्हे: गाडीच्या दृष्टीने स्पष्ट दिसणारी.	
11	**गटारे / नाले, झाकणे**	**1. गटारींची सफाई** - गाळ, प्लास्टिक कचरा, पाणी साचणार नाही याची काळजी. - जंतुनाशक फवारणी, विशेषत: पावसाळ्यापूर्वी. **2. झाकणे व सुरक्षा** - मॅनहोल झाकणे: तुटलेली वा उघडी नसावीत. - गटारे उघडे असल्यास संरक्षक जाळी; पाणीवाहतूक अडू नये याची काळजी. **3. पावसाळी व्यवस्थापन** - गटारे चोकअप झाल्यास पाणी रस्त्यावर येणार नाही याची खबरदारी. - नाल्यांचे योग्य उतार, अडथळे काढणे.	
12	**रस्त्यावरील विविध दिशादर्शक फलक**	**1. डायरेक्शन बोर्ड / साइनबोर्डची स्थिती** - अक्षर, माहिती स्पष्ट दिसते का? - रंगकाम, रिफ्लेक्टिव्ह टेप, पेंट घटले नाहीत ना? **2. बांधकाम व फ्रेम** - पोल/फ्रेम गंजलेले, तुटलेले नसावेत. - योग्य उंची, कोन (वाहतुकीस अडथळा नको).	
13	**पाण्याच्या टाक्या, मलनिस्सारण केंद्र, पंपिंग स्टेशन**	**1. पाण्याच्या टाक्या** - गळती, क्रॅक्स, टँकची आतरिक सफाई (वार्षिक/छमाही). - पिण्याचे पाणी शुद्धता तपासण्यासाठी पाणी नमुने. **2. मलनिस्सारण केंद्र** - सांडपाण्यावर प्रक्रिया (सेप्टिक टँक, फिल्टर) कार्यक्षम.	

		- वायू/दुर्गंधी नियंत्रणासाठी एअर वेंट, बायो-एन्झाइम. **3. पंपिंग स्टेशन** - पंप, मोटार, व्हॉल्व्हचे वीसिंग व दैनंदिन तपासणी. - कंट्रोल पॅनेल, विद्युत कनेक्शन सुरक्षित. - इमारत छत, ड्रेनेज व्यवस्थेला गळती नसावी.	
14	सिग्नल यंत्रणा	**1. सिग्नल हेड व एलईडी/बल्ब तपासणी** - लाल, पिवळा, हिरवा दिवा व्यवस्थित कार्यरत आहेत का? - वायरिंग, विद्युत पुरवठा स्पार्किंग नसावा. **2. टाइमर व कंट्रोल युनिट** - गाडी व पादचारी सिग्नलचे योग्य सिंक्रोनायझेशन. - सिग्नल बंद पडल्यास त्वरित दुरुस्ती व्यवस्था. **3. इतर सुरक्षा सुविधा** - पोलची मजबुती, रिफ्लेक्टिव्ह स्ट्रिप्स किंवा रंगकाम. - सीसीटीव्ही (असल्यास) वीजपुरवठा सुरळीत.	
15	स्ट्रीट लाईट व्यवस्था	**1. लाईट पोलची स्थिती** - पोल गंजलेले, वाकलेले नसावेत. - बेसवरील इलेक्ट्रिकल कनेक्शन सुरक्षित. **2. लाईट फिटिंग्ज** - बल्ब/एलईडी दिवे कार्यरत, कव्हर तुटलेले नाही. - वायरिंग, कंट्रोल पॅनेल, टायमर तपासणी. **3. देखभाल नियोजन** - गरजेनुसार बल्ब बदलणे (सरकारी ऊर्जा दर्जानुसार). - तक्रार नोंदणी व त्वरित निराकरण.	
16	सार्व. स्वच्छतागृहे / सामुहिक स्वच्छतागृहे	**1. बांधकामाची गुणवत्ता** - भिंती, छत, फरशी गळतीमुक्त. - टाईल्स तुटलेल्या असल्यास त्वरित दुरुस्ती. **2. नळ, पाणीपुरवठा व ड्रेनेज** - नळात पाणी येते का, लिकेज नाही. - ड्रेनेज जाम नसावे, गटार स्वच्छता. **3. स्वच्छता व निर्जंतुकीकरण** - दैनंदिन साफसफाई, दुर्गंधी मुक्त राखणे. - वेंटिलेशन, प्रकाश व्यवस्था योग्य. **4. सुरक्षा व देखरेख** - महिलांसाठी स्वतंत्र विभाग, दिवे पुरेसे. - दरवाजे, कुलूप सुस्थितीत.	
17	रुग्णालय / आरोग्य केंद्र	**1. रचना व आरोग्य सुरक्षा** - रुग्णोपचार कक्ष, प्रतीक्षा कक्ष: बसण्याची व्यवस्था, साफसफाई. - भिंती, छत भेगामुक्त, शौचालये कार्यरत. **2. वैद्यकीय उपकरणे** - इमर्जेन्सी उपकरणे: ऑक्सिजन सिलिंडर, व्हीलचेअर, स्ट्रेचर तपासणी. - रेफ्रिजरेटर (औषधासाठी): तापमान नियंत्रण, नियमित स्वच्छता. **3. फायर सुरक्षा व सीसीटीव्ही** - फायर अलार्म, एक्स्टिंग्विशर, इमर्जेन्सी एग्जिट चिन्हे. - सीसीटीव्ही फीड, DVR स्टोअरेज, डेटा सिक्युरिटी.	

		4. स्वच्छता व कचरा व्यवस्थापन - बायोमेडिकल वेस्ट सेग्रीगेशन: पिवळे, काळे, लाल पिशव्या इ. नियमानुसार. - वॉर्ड, शौचालयांची निर्जंतुकीकरण, बेडशीट बदल, इतर हायजीन.	
18	**पशुपक्षी दवाखाना**	**1. पशुपक्षी उपचार कक्ष** - फरशी, भिंती स्वच्छ व निर्जंतुक. - औषध, लशी नियमानुसार स्टोअर (उचित तापमान). **2. पशुधन देखभाल** - पिंजरे, तात्पुरती जागा: दररोज सफाई, गंधनियंत्रण. - मलमूत्र वाहून जाण्यासाठी व्यवस्थित ड्रेनेज. **3. सुरक्षा** - आक्रमक पशुपक्षीसाठी वेगळी व्यवस्था, जाळी. - फायर सेफ्टी यंत्रणा, सीसीटीव्ही (असल्यास).	
19	**आरक्षणाच्या / रस्त्याच्या ताब्यातील जागा**	**1. अनधिकृत बांधकाम नियंत्रण** - अतिक्रमण, अनधिकृत स्टॉल्स, झोपड्या यांची वेळोवेळी तपासणी. - गरज असल्यास कारवाई व सूचना फलक लावणे. **2. परिसराची साफसफाई** - कचरा, मोकाट प्राणी, गवत नियोजन करून साफ करणे. - जंतुनाशक फवारणी, डास नियंत्रण. **3. सार्वजनिक वापर नियोजन** - नियोजित विकास प्रकल्पांसाठी जागा राखीव ठेवणे. - तात्पुरते बाजार / पार्किंग इ. महापालिकेच्या परवानगीने.	
20	**नाट्यगृह इमारत**	**1. मंडप व रंगमंचाची संरचना** - रंगमंचाचा मजला: तडे नसावेत, पडदे व लटकणाऱ्या बाजू घट्ट बसलेली असावीत. - आसन व्यवस्था: खुर्च्या, सीट नं. स्पष्ट, तुटलेली नसावीत. **2. ध्वनी व प्रकाश योजना** - साउंड सिस्टम: माईक, स्पीकर, कॉर्डलेस सेफ्टी चेक. - लाईटिंग बोर्ड: फोकस लाईट्स, स्ट्रोब इ. सुरळीत कार्यरत. **3. सुरक्षा उपाय** - फायर एग्जिट, अलार्म, एक्स्टिंग्विशर: संकेत फलकांसह. - सीसीटीव्ही: मुख्य प्रवेशद्वार, प्रेक्षक गॅलरी. **4. प्रेक्षक व कलाकार सुविधा** - ग्रीन रूम, मेकअप रूम: स्वच्छता, आरसे, दिवे. - शौचालये: स्वच्छ, पाण्याचा पुरवठा. - तिकीट खिडकी, प्रतीक्षा कक्ष, पार्किंग.	
21	**क्रीडा संकुल / स्विमिंग पूल**	**1. क्रीडा संकुल सुविधांची स्थिती** - इनडोअर कोर्ट (बॅडमिंटन, बास्केटबॉल): फरशी न सपक नसावी. - आउटडोअर ग्राउंड: खड्डे नसावेत, ग्राउंड लेव्हलिंग. **2. स्विमिंग पूल देखभाल** - पाण्याची गुणवत्ता: क्लोरीन पातळी, पीएच चाचणी. - फिल्टर, पंप, रेग्युलेटरचे दैनंदिन मॉनिटरिंग. - पूल शेजारील फरशी घसरडी नसावी. **3. सुरक्षा उपाय** - लाईफ गार्ड उपस्थिती, लाईफ जॅकेट, बुओई.	

		- फर्स्ट एड किट, स्ट्रेचर, इमर्जन्सी अलार्म. - बदलण्याची खोली, शॉवर, वॉशरूम: स्वच्छता व निर्जंतुकीकरण.	
22	क्रिकेट पीच / टर्फ	**1. पीचची देखभाल** - पिच रोलिंग: सपाटपणा, गवताची योग्य लांबी. - पाणीपुरवठा व ड्रेनेज: पावसाळ्यात पाणी साठू नये. **2. परिसराची सुरक्षा** - बाउंड्री लाईन: दोरी किंवा जाहिरात फलेक्स तुटलेले नसावे. - नेट प्रॅक्टिस क्षेत्र: जाळी सुस्थितीत. - प्लेयर्स ड्रेसिंग रूम: स्वच्छ, व्हेंटिलेशन. **3. उपकरणे** - स्टंप, बॉल, नेट, रोलर: तुटलेले नसावेत, योग्यरित्या ठेवावे. - पिच कव्हर: पावसाळ्यात पिच झाकण्याची व्यवस्था.	
23	सी.सी.टी.व्ही. यंत्रणा	**1. कॅमेरे व त्यांची जागा** - लेन्स स्वच्छ: धूळ, जळमट नको. - हाऊसिंग (Weatherproof): गंज, क्रॅक नाही. - वीजपुरवठा व केबल कनेक्शन नीट तपासा. **2. रेकॉर्डिंग यंत्रणा (DVR/NVR)** - स्टोअरेज क्षमता: फुटेज रेग्युलर ओव्हररायट होणार नाही याची काळजी. - तारीख/वेळेचे सेटिंग अचूक, बॅटरी बॅकअप. **3. आणीबाणीची व्यवस्था** - अनधिकृत छेडछाड अलार्म (टॅम्पर अलर्ट). - डेटा सुरक्षेच्या दृष्टीने पासवर्ड प्रोटेक्शन, बॅकअप पद्धती.	
24	सार्व. रस्ते / फुटपाथ	**1. रस्त्याची गुणवत्ता** - खड्डे, तडे, खडी उखडली असल्यास तातडीने दुरुस्ती. - गटारांची पातळी रस्त्याशी जुळेल अशी व्यवस्था. **2. फुटपाथ व अतिक्रमण** - फुटपाथ: तुटलेले ब्लॉक, फरशी दुरुस्ती. - अनधिकृत फेरीवाले, दुकानांचे अतिक्रमण टाळणे. **3. वाहतूक सुरक्षा** - झेब्रा क्रॉसिंग, स्पीड ब्रेकर, रस्तेचिन्हे रंग उठावदार. - स्ट्रीट लाईट, रिफ्लेक्टिव्ह चिन्हे, गार्ड रेल.	

9. अहवाल व सातत्यपूर्ण सुधारणा (Reporting & Continuous Improvement)

1. **माहिती संकलन**:
   - दरमहा/त्रैमासिक विभागप्रमुख आपापल्या तपासणी अहवालांचे संकलन करतात.
   - मोठ्या दुरुस्त्या किंवा आर्थिक तरतुदीसाठीचे प्रस्ताव वरिष्ठ व्यवस्थापनाला पाठवतात.
2. **आढावा बैठका**:
   - महापालिका आयुक्त किंवा वरिष्ठ अधिकाऱ्यांसोबत नियमित बैठका घेऊन समस्या, प्रगती व सुधारणा यावर चर्चा करणे.
3. **दुरुस्ती व प्रतिबंधात्मक उपाय**:
   - वारंवार दिसणाऱ्या समस्यांचे (उदा. वारंवार पाईप लिकेज किंवा संरचनेत भेगा) मूळ कारण शोधून प्रतिबंधात्मक पावले उचलणे.
4. **दस्तावेजीकरण**:

- सर्व (मानक कार्यपध्दती) SOP, चेकलिस्ट, दुरुस्ती नोंदी, ठेकेदार बिल, छायाचित्रे इत्यादींचे नोंदीकरण एकाच ठिकाणी (हार्ड कॉपी किंवा डिजिटल) राखणे.

5. (मानक कार्यपध्दती) SOP पुर्नविलोकन:

- नवीन नियम, सुधारित तंत्रज्ञान किंवा नव्या समस्या लक्षात घेऊन ही (मानक कार्यपध्दती) SOP वेळोवेळी अद्ययावत करणे.
- बदल महापालिका आयुक्त किंवा नियुक्त अधिकाऱ्यांच्या मंजुरीने करणे.

10. मान्यता व अधिकृतता (Approval & Authorization)

- **तयार केलेले**:
  नाव,पद,विभाग नाव
- **पुर्नविलोकन (Reviewed By)**: नाव,पद,विभाग नाव (उदा. शहर अभियंता, आरोग्य अधिकारी, शिक्षण अधिकारी इ.)
- **मंजूर (Approved By)**: (उदा. महापालिका आयुक्त)
- **मंजुरीची तारीख (Date of Approval)**:
  पुर्नविलोकनाची पुढील तारीख (Next Review Date): *(साधारणतः १ ते २ वर्षानंतर किंवा गरजेनुसार.)*

या (मानक कार्यपध्दती) SOP मध्ये आता उद्देश, व्याप्ती, भूमिका/जबाबदाऱ्या, वारंवारिता, कार्यपद्धती, तपासणी चेकलिस्ट आणि अहवाल व्यवस्थापन असे सर्व मुख्य घटक समाविष्ट आहेत. पूर्वीची तपशीलवार चेकलिस्ट कलम 8 मध्ये केंद्रबिंदू म्हणून दिली आहे. मालमत्ता आणि सुविधांच्या अवस्था तपासण्यासाठी आणि सुधारणा करण्यासाठी याचा वापर करावा. योग्य तेथे स्थानिक व शासकीय नियम किंवा तांत्रिक सुधारणा समाविष्ट करून ही (मानक कार्यपध्दती) SOP अद्ययावत ठेवावी.

सदर (मानक कार्यपध्दती) SOP ची अंमलबजावणी करण्यासाठी 2 Estate manager यांना प्रभाग निहाय कामे नेमुन देण्यात येतील. त्यांचे Geo fencing करणे, प्रत्यक्ष जागेवर गेल्यानंतरच प्रत्येक बाबीचे निरीक्षणाअंती फोटो घेऊन Software मध्ये Upload करणे, दर 15 दिवसांनी ठिकाणांना पुनश्च भेटी देणे या प्रकारे अटीशर्ती ठेऊनच धोरणाची अंमलबजावणी करण्यात येईल.

धोरणातील मालमत्तेच्या ठिकाणी तपासावयाच्या बाबींत आवश्यकतेनुसार समावेश करण्याचा अधिकार मा.आयुक्त यांना राहील. त्याप्रकारे बदल करण्यात येईल.

मिरा भाईंदर महानगरपालिका अंतर्गत मालमत्ता आणि पायाभूत सुविधांच्या तपासणी, देखभाल व व्यवस्थापनासाठी मानक कार्यपद्धती (मानक कार्यपध्दती) SOP धोरणास प्रशासकीय ठरावाद्वारे मान्यता देणेत येत आहे.

सदर धोरणाची कार्यवाही नियमानुसार संबंधित विभागाने विहीत पध्दतीने करावी.

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

(संजय काटकर, भाप्रसे)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

प्रत बांधकाम विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना

आस्थापना विभाग

मिरा भाईंदर महानगरपालिका

दि. ०५ / ०२ /2025

(गोषवारा)

प्रकरण क्र. ४०३ :- मिरा भाईंदर महानगरपालिकेतील स्थानिक संस्था कर विभागातील तात्पुरत्या स्वरुपात ठोक मानधनावरील कार्यरत सेवानिवृत्त विशेष कार्य अधिकारी यांच्या नियुक्तीचे नविकरण करणेबाबत..

मिरा भाईंदर मिरा भाईंदर महानगरपालिकेतील स्थानिक संस्था कर विभागातील तात्पुरत्या स्वरुपात ठोक मानधनावर सेवानिवृत्त श्री. रामचंद्र कोळी, सेवानिवृत्त शिवकुमार मोरे व सेवानिवृत्त श्रीकांत घुगे यांची दि.14/05/2021 रोजीच्या आदेशान्वये मासिक रु. 40,000/- या मानधनावर नियुक्ती केलेली आहे.

प्रशासकीय सभा दि.09/07/2024, ठराव क्र.19 अन्वये स्थानिक संस्था कर विभागातील ठोक मानधनावरील सेवानिवृत्त श्री.रामचंद्र कोळी, सेवानिवृत्त श्री.शिवकुमार मोरे व सेवानिवृत्त श्री.श्रीकांत घुगे यांचे दि.01/07/2024 ते दि.31/12/2024 पर्यंत 06 महिन्याकरीता नियुक्तीचे नविकरण करण्यात आलेले आहे. त्यानुसार त्याना जा.क्र.मनपा/आस्था/1052/2024-25, दि.10/07/2024 अन्वये नियुक्ती नविकरण केल्याबाबत आदेश देण्यात आलेला आहे.

स्थानिक संस्था कर विभागाने दि.18/06/2024 रोजीच्या सादर टिप्पणीमध्ये सेवानिवृत्त श्री.रामचंद्र कोळी, सेवानिवृत्त श्री.शिवकुमार मोरे व सेवानिवृत्त श्री.श्रीकांत घुगे यांनी मनपाला मोठ्या प्रमाणात महसूल प्राप्त करुन दिला आहे. तसेच मनपाच्या स्थानिक संस्था कर विभागातील नोंदणीकृत व्यापाऱ्यांच्या प्राप्त लेख्यांचे निर्धारणा करण्याची प्रक्रीया सुरु असून त्याव्दारे मनपास मोठ्या प्रमाणात वसूली मिळण्याची शक्यता आहे. सदयस्थितीत निर्धारणेसाठी नोंदणीकृत व्यापाऱ्यांवर नोटीसा बजावण्यात येत असून व्यापारी निर्धारणेसाठी उपस्थित होत आहेत व काही न्यायालयीन प्रकरणे व अपीलातील प्रकरणे निकाली काढण्यासाठी तसेच प्रलंबित निर्धारणेच्या कामाची तसेच स्थानिक संस्था कर वसुलीची निकड पाहता दि.31/03/2025 पर्यंत 03 महिन्यांकरीता मुदतवाढ देणेबाबत मा.आयुक्त महोदय यांनी दि.16/01/2025 रोजी मान्यता दिलेली आहे.

महाराष्ट्र महानगरपालिका अधिनियमातील तरतुदी व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार दि.27/08/2022 रोजी मुदत संपत असल्याने शासन आदेश क्रमांक :- एमसीओ-2020/प्र.क्र.71(भाग-2)/नवि-14, दि.26 ऑगस्ट, 2022 अन्वये आयुक्त, मिरा भाईंदर महानगरपालिका यांची प्रशासक म्हणून नेमणूक करण्यात आलेली आहे.

सबब मिरा भाईंदर महानगरपालिकेतील स्थानिक संस्था कर विभागातील तात्पुरत्या स्वरुपात ठोक मानधनावर सेवानिवृत्त श्री.रामचंद्र कोळी, सेवानिवृत्त श्री.शिवकुमार मोरे व सेवानिवृत्त श्री.श्रीकांत घुगे यांची मुदत दि.31/12/2024 रोजी संपुष्टात आलेली असल्याने त्यांचे दि.01/01/2025 ते दि.31/03/2025 पर्यंत 03 महिन्यांकरीता नियुक्तीचे नविकरण करणेस तसेच 03 सेवानिवृत्त अधिकारी (प्रती मानधन रु.40,000/-) यांच्या एकुण 03 महिन्यांच्या कालावधीसाठी रु.3,60,000/- इतक्या होणाऱ्या खर्चास आर्थिक व प्रशासकीय मंजूरी मिळणेस शिफारस आहे.

(मा.आयुक्त महोदय यांचे मान्यतेने)

(कल्पिता पिपळे)
उप-आयुक्त (मुख्यालय)
मिरा भाईंदर महानगरपालिका

मिरा भाईंदर महानगरपालिका

दि.04/02/2025

प्रकरण क्र.803:- मिरा भाईंदर महानगरपालिकेतील स्थानिक संस्था कर विभागातील तात्पुरत्या स्वरुपात ठोक मानधनावरील कार्यरत सेवानिवृत्त विशेष कार्य अधिकारी यांच्या नियुक्तीचे नविकरण करणेबाबत..

कार्यालयीन प्रस्ताव

मिरा भाईंदर मिरा भाईंदर महानगरपालिकेतील स्थानिक संस्था कर विभागातील तात्पुरत्या स्वरुपात ठोक मानधनावर सेवानिवृत्त श्री. रामचंद्र कोळी, सेवानिवृत्त शिवकुमार मोरे व सेवानिवृत्त श्रीकांत घुगे यांची दि.14/05/2021 रोजीच्या आदेशान्वये मासिक रु. 40,000/- या मानधनावर नियुक्ती केलेली आहे.

प्रशासकीय सभा दि.09/07/2024, ठराव क्र.19 अन्वये स्थानिक संस्था कर विभागातील ठोक मानधनावरील सेवानिवृत्त श्री. रामचंद्र कोळी, सेवानिवृत्त शिवकुमार मोरे व सेवानिवृत्त श्रीकांत घुगे यांचे दि.01/07/2024 ते दि.31/12/2024 पर्यंत 06 महिन्याकरीता नियुक्तीचे नविकरण करण्यात आलेले आहे. त्यानुसार त्याना जा.क्र.मनपा/आस्था/1052/2024-25, दि.10/07/2024 अन्वये नियुक्ती नविकरण केल्याबाबत आदेश देण्यात आलेला आहे.

स्थानिक संस्था कर विभागाने दि.18/06/2024 रोजीच्या सादर टिप्पणीमध्ये श्री.रामचंद्र कोळी, सेवानिवृत्त शिवकुमार मोरे व सेवानिवृत्त श्रीकांत घुगे यांनी मनपाला मोठ्या प्रमाणात महसूल प्राप्त करुन दिला आहे. तसेच मनपाच्या स्थानिक संस्था कर विभागातील नौदणीकृत व्यापारांच्या प्राप्त तेरुयांचे निर्धारणा करण्याची प्रक्रीया सुरु असून त्याव्दारे मनपास मोठया प्रमाणात वसूली मिळण्याची शक्यता आहे. सदयस्थितीत निर्धारणेसाठी नौदणीकृत व्यापाऱ्यांवर नोटीसा बजावण्यात येत असून व्यापारी निर्धारणेसाठी उपस्थित होत आहेत. व काही न्यायालयीन प्रकरणे व अपीलातील प्रकरणे निकाली काढण्यासाठी तसेच प्रलबित निर्धारणेच्या कामाची तसेच स्थानिक संस्था कर वसुलीची निकड पाहता दि.31/03/2025 पर्यंत 03 महिन्यांकरीता मुदतवाढ देणेबाबत मा.आयुक्त महोदय यांनी दि.16/01/2025 रोजी मान्यता दिलेली आहे.

महाराष्ट्र महानगरपालिका अधिनियमातील तरतुदी व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार दि.27/08/2022 रोजी मुदत संपत असल्याने शासन आदेश क्रमांक :- एमसीओ-2020/प्र.क्र.71(भाग-2)/नवि-14, दि.26 ऑगस्ट, 2022 अन्वये आयुक्त, मिरा भाईंदर महानगरपालिका यांची प्रशासक म्हणून नेमणूक करण्यात आलेली आहे.

सबब मिरा भाईंदर मिरा भाईंदर महानगरपालिकेतील स्थानिक संस्था कर विभागातील तात्पुरत्या स्वरुपात ठोक मानधनावर सेवानिवृत्त श्री.रामचंद्र कोळी, सेवानिवृत्त श्री.शिवकुमार मोरे व सेवानिवृत्त श्री.श्रीकांत घुगे यांची मुदत दि.31/12/2024 रोजी संपुष्टात आलेली असल्याने त्यांचे दि.01/01/2025 ते दि.31/03/2025 पर्यंत 03 महिन्यांकरीता नियुक्तीचे नविकरण करणेस तसेच 03 सेवानिवृत्त अधिकारी (प्रती मानधन रु.40,000/-) यांच्या एकुण 03 महिन्यांच्या कालावधीसाठी रु.3,60,000/- इतक्या होणाऱ्या खर्चाच्या प्रस्तावास मा.प्रशासक यांची मंजुरी मिळावी असा कार्यालयीन प्रस्ताव प्रशासनामार्फत सादर करण्यात आला आहे.

प्रशासकीय ठराव क्र. ४०३ दिनांक ०५/०२/२०२५

मिरा भाईंदर महानगरपालिकेतील स्थानिक संस्था कर विभागातील तात्पुरत्या स्वरुपात ठोक मानधनावरील कार्यरत सेवानिवृत्त विशेष कार्य अधिकारी यांच्या नियुक्तीचे नविकरणच्या प्रस्तावाचे अवलोकन करण्यात आले.

महाराष्ट्र महानगरपालिका अधिनियमातील तरतुदी व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) नुसार महाराष्ट्र शासन, नगर विकास विभागाकडील शासन आदेश क्रमांक : एमसीओ 2020/प्र.क्र.71(भाग-2)/नवि-14, दि.26/08/2022 अन्वये प्रशासनाने सादर केलेल्या विषयास अनुसरुन "मिरा भाईंदर मिरा भाईंदर महानगरपालिकेतील स्थानिक संस्था कर विभागातील तात्पुरत्या स्वरुपात ठोक मानधनावर सेवानिवृत्त श्री.रामचंद्र कोळी, सेवानिवृत्त श्री.शिवकुमार मोरे व सेवानिवृत्त श्री.श्रीकांत घुगे यांची मुदत दि.30/06/2024 रोजी संपुष्टात आलेली असल्याने दि.01/01/2025 ते दि.31/03/2025 पर्यंत 03 महिन्यांकरीता नियुक्तीचे नविकरण करणेस तसेच 03 सेवानिवृत्त अधिकारी (प्रती मानधन रु.40,000/-) यांच्या एकुण 03 महिन्यांच्या कालावधीसाठी रु.3,60,000/- इतक्या होणाऱ्या खर्चाच्याप्रस्तावास मंजुरी देण्यात येत आहे."

पुढील आवश्यक कार्यवाही नियमानुसार संबंधित विभागाने विहित पध्दतीने करावी.

(संजय काटकर, भा.प्र.से.)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

(वासुदेव शिरबळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

प्रत :- आस्थापना विभागाकडे योग्य त्या कार्यवाही करीता सादर.

मिरा-भाईंदर महानगरपालिका

बांधकाम विभाग

दि.05/02/2025

// गोषवारा //

प्रकरण क्र. (४०४) :- निविदेस मान्यता देणेबाबत.

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव	सादर केलेला दर
1	2	3	4	5	6
1.	1113301_1	1) मिरा भाईंदर महानगरपालिका हद्दीतील मिरारोड (पु.) येथील प्रभाग क्र.09 मधील निर्मीपार्क बिल्डींग ते बानेगर शाळे पर्यंतचा रस्ता सी.सी. करणे. 2) मिरा भाईंदर महानगरपालिका हद्दीतील मिरारोड (पु.) येथील प्रभाग क्र.9 मधील डायनेस्टी बिल्डिंग ते ओव्हर हेड वॉटर टँक पर्यंत आर.सी.सी. गटार तयार बनविणे.3) मिरा भाईंदर महानगरपालिका हद्दीतील मिरारोड (पु.) येथील मिरागाव MIDC परिसरातील अंतर्गत रस्ते UTWT पध्दतीने तयार करणे.(महाराष्ट्र सुवर्ण महोत्सवी नगरोत्थान महाअभियान (जिल्हास्तर) योजना)	रु.5,92,18,078/-	**मे. लँडमार्क कॉर्पोरेशन प्रा.लि.** मे. श्रीजी इपीसी प्रा.लि., मे. स्पार्क सिव्हील इन्फ्राप्रोजेक्ट्स	**2.0800% कमी दराने** 7.5000% जास्त दराने अंदाजपत्रकिय दराने

वरील कामी **मे. लँडमार्क कॉर्पोरेशन प्रा.लि.** या निविदाधारकाने **2.0800% कमी दराने** निविदा सादर केल्या आहेत. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार मान्यता देण्यास शिफारस आहे.

(दिपक खांबित)
शहर अभियंता
मिरा-भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव दिनांक 05/02/ 2025

प्रकरण क्र. (४०४) :- निविदेस मान्यता देणेबाबत.

ठराव क्र. ४०४

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव	सादर केलेला दर
1	2	3	4	5	6
1.	1113301_1	1) मिरा भाईंदर महानगरपालिका हद्दीतील मिरारोड (पु.) येथील प्रभाग क्र.09 मधील निधीपार्क बिल्डींग ते बानेगर शाळे पर्यंतचा रस्ता सी.सी. करणे. 2) मिरा भाईंदर महानगरपालिका हद्दीतील मिरारोड (पु.) येथील प्रभाग क्र.9 मधील डायनेस्टी बिल्डिंग ते ओव्हर हेड वॉटर टँक पर्यंत आर.सी.सी. गटार तयार बनविणे.3) मिरा भाईंदर महानगरपालिका हद्दीतील मिरारोड (पु.) येथील मिरागाव MIDC परिसरातील अंतर्गत रस्ते UTWT पध्दतीने तयार करणे.(महाराष्ट्र सुवर्ण महोत्सवी नगरोत्थान महाअभियान (जिल्हास्तर) योजना)	₹.5,92,18,078/-	**मे. लँडमार्क कॉपरिशन प्रा.लि.** मे. श्रीजी इपीसी प्रा.लि., मे. स्पार्क सिव्हील इन्फ्राप्रोजेक्ट्स	**2.0800% कमी दराने** 7.5000% जास्त दराने अंदाजपत्रकिय दराने

वरील कामी **मे. लँडमार्क कॉपरिशन प्रा.लि.** या निविदाधारकाने **2.0800% कमी दराने** निविदा सादर केली आहे. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील 01 कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार प्रशासकीय ठरावाव्दारे मान्यता देण्यात येत आहे.

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबधित विभागाने विहित पध्दतीने करावी.

(वासुदेव शिरबळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

(संजय काटकर, भाप्रसे)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

प्रत बांधकाम विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना

मिरा-भाईंदर महानगरपालिका

बांधकाम विभाग

दि. 05/ 02 /2025

// गोषवारा //

प्रकरण क्र. (804) :- निविदेस मान्यता देणेबाबत.

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव	सादर केलेला दर
1	2	3	4	5	6
1.	1113335_1	मिरा भाईंदर महानगरपालिका हद्दीतील शाळा, इमारती नुतनीकरण करणे. (महाराष्ट्र भुषण महोत्सवी नगरोत्थान महाअभियान (जिल्हास्तर) योजना)	रु.3,38,97,546/-	**मे. राठोड असोसिएट्स** मे. एन. जे. ब्रदर्स मे. गजानन कंस्ट्रक्शन,	**3.1100% कमी दराने** 0.2100% कमी दराने 5.0000% जास्त दराने

वरील कामी **मे. राठोड असोसिएट्स** या निविदाधारकाने **3.1100% कमी दराने** निविदा सादर केल्या आहेत. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार मान्यता देण्यास शिफारस आहे.

(दिपक खांबित)
शहर अभियंता
मिरा-भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव दिनांक 05/02/ 2025

प्रकरण क्र. (४०५) :- निविदेस मान्यता देणेबाबत.

ठराव क्र. ४०५

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव	सादर केलेला दर
1	2	3	4	5	6
1.	1113335_1	मिरा भाईंदर महानगरपालिका हद्दीतील शाळा, इमारती नुतनीकरण करणे. (महाराष्ट्र सुवर्ण महोत्सवी नगरोत्थान महाअभियान (जिल्हास्तर) योजना)	रु.3,38,97,546/-	**मे. राठोड असोसिएट्स** मे. एन. जे. ब्रदर्स मे. गजानन कंस्ट्रक्शन,	**3.1100% कमी दराने** 0.2100% कमी दराने 5.0000% जास्त दराने

वरील कामी **मे. राठोड असोसिएट्स** या निविदाधारकाने **3.1100% कमी दराची** निविदा सादर केली आहे. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील 01 कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार प्रशासकीय ठरावाव्दारे मान्यता देण्यात येत आहे.

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबधित विभागाने विहित पध्दतीने करावी.

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

(संजय काटकर, भाप्रसे)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

प्रत बांधकाम विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना

मिरा-भाईंदर महानगरपालिका

बांधकाम विभाग

दि.05/02 /2025

// गोषवारा //

प्रकरण क्र. (406) :- निविदेस मान्यता देणेबाबत.

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव	सादर केलेला दर
1	2	3	4	5	6
1.	1113347_1	1)मिरा भाईंदर महानगरपालिका हद्दीतील भाईंदर (प.) नगरभवन, माडवी तलाव नूतनीकरण व दुरुस्ती करणे. 2) मिरा भाईंदर महानगरपालिका हद्दीतील भाईंदर (प.) राईगाव येथील राममंदिर तलाव येथे प्रेक्षक गॅलरी व पदपथ उभारणे व परिसर सुशोभिकरण करणे.3) मिरा भाईंदर महानगरपालिका हद्दीतील भाईंदर (पु.) प्रभाग क्र.02 मधील साधुराम हॉटेल ते परब मसाले पर्यंतचा नाल्याची पुर्नबांधणी करणे. (महाराष्ट्र सुवर्ण महोत्सवी नगरोत्थान महाअभियान (जिल्हास्तर) योजना	₹.6,06,62,862/-	**मे. स्पार्क सिव्हील इन्फ्राप्रोजेक्ट्स** मे. श्री.जी. इपीसी प्रा.लि.	**अंदाजपत्रकिय दराने** 8.2500% जास्त दराने

वरील कामी **मे. स्पार्क सिव्हील इन्फ्राप्रोजेक्ट्स** या निविदाधारकाने **अंदाजपत्रकिय दराने** निविदा सादर केल्या आहेत. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार मान्यता देण्यास शिफारस आहे.

(दिपक खांबित)
शहर अभियंता
मिरा-भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव दिनांक 05/02/ 2025

प्रकरण क्र. (४०६) :- निविदेस मान्यता देणेबाबत.

ठराव क्र. ४०६

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव	सादर केलेला दर
1	2	3	4	5	6
1.	1113347_1	1)मिरा भाईंदर महानगरपालिका हद्दीतील भाईंदर (प.) नगरभवन, मांडवी तलाव नूतनीकरण व दुरुस्ती करणे. 2) मिरा भाईंदर महानगरपालिका हद्दीतील भाईंदर (प.) राईगाव येथील राममंदिर तलाव येथे प्रेक्षक गॅलरी व पदपथ उभारणे व परिसर सुशोभिकरण करणे.3) मिरा भाईंदर महानगरपालिका हद्दीतील भाईंदर (पु.) प्रभाग क्र.02 मधील साधुराम हॉटेल ते परब मसाले पर्यंतचा नाल्याची पुर्नःबांधणी करणे. (महाराष्ट्र सुवर्ण महोत्सवी नगरोत्थान महाअभियान (जिल्हास्तर) योजना	रु.6,06,62,862/-	**मे. स्पार्क सिव्हील इन्फ्राप्रोजेक्ट्स** मे. श्री.जी. इपीसी प्रा.लि.	**अंदाजपत्रकिय दराने** 8.2500% जास्त दराने

वरील कामी **मे. स्पार्क सिव्हील इन्फ्राप्रोजेक्ट्स** या निविदाधारकाने **अंदाजपत्रकिय दराने** निविदा सादर केली आहे. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील 01 कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार प्रशासकीय ठरावाव्दारे मान्यता देण्यात येत आहे.

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबंधित विभागाने विहित पध्दतीने करावी.

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

(संजय काटकर, भाप्रसे)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

प्रत बांधकाम विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना

मिरा-भाईंदर महानगरपालिका

बांधकाम विभाग

दि.०५/०२ /2025

// गोषवारा //

प्रकरण क्र. (४०७) :- निविदेस मान्यता देणेबाबत.

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव	सादर केलेला दर
1	2	3	4	5	6
1.	1113398_1	मिरा भाईंदर महानगरपालिका क्षेत्रातील भाईंदर (प.) प्रभाग क्र. 24 मधील वेलकनी चर्च पासून ते शिरे रोड पर्यंत सी.सी. रोड तयार करणे. (प्रादेशिक पर्यटन योजना)	रु.4,21,23,613/-	**मे. स्पार्क सिव्हील इन्फ्राप्रोजेक्ट्स** मे. ए.आय.सी. इन्फ्रास्ट्रक्चर	**अंदाजपत्रकिय दराने** 5.0000% जास्त दराने

वरील कामी **मे. स्पार्क सिव्हील इन्फ्राप्रोजेक्ट्स** या निविदाधारकाने **अंदाजपत्रकिय दराने** निविदा सादर केल्या आहेत. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार मान्यता देण्यास शिफारस आहे.

(दिपक खांबित)
शहर अभियंता
मिरा-भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव दिनांक 05/02/ 2025

प्रकरण क्र. (४०७) :- निविदेस मान्यता देणेबाबत.

ठराव क्र. ४०७

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव	सादर केलेला दर
1	2	3	4	5	6
1.	1113398_1	मिरा भाईंदर महानगरपालिका क्षेत्रातील भाईंदर (प.) प्रभाग क्र. 24 मधील वेलकंनी चर्च पासून ते शिरे रोड पर्यंत सी.सी. रोड तयार करणे. (प्रादेशिक पर्यटन योजना)	₹.4,21,23,613/-	**मे. स्पार्क सिव्हील इन्फ्राप्रोजेक्ट्स** मे. ए.आय.सी. इन्फ्रास्ट्रक्चर	**अंदाजपत्रकिय दराने** 5.0000% जास्त दराने

वरील कामी **मे. स्पार्क सिव्हील इन्फ्राप्रोजेक्ट्स** या निविदाधारकाने **अंदाजपत्रकिय दराने** निविदा सादर केली आहे. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील 01 कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार प्रशासकीय ठरावाव्दारे मान्यता देण्यात येत आहे.

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबधित विभागाने विहित पध्दतीने करावी.

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

(संजय काटकर, भाप्रसे)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

प्रत बांधकाम विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना

मिरा-भाईंदर महानगरपालिका

बांधकाम विभाग

दि.०५/०२/2025

// गोषवारा //

प्रकरण क्र. (४०८) :- निविदेस मान्यता देणेबाबत.

अ. क्र	टेंडर आय डी	कामाचे नाव	निविदाधारकाचे नाव
1	2	3	4
1.	1055572_1 व 1121612_1	Empanelment of Consultant for Forest Clearance and National Board of Wildlife (NBWL) from Ministry of Environment, Forests and Climate Change (henceforth called 'MoEF&CC'), New Delhi and/or Government of Maharashtra and completing the procedure as per Forest Conservation Act, 1980 other related gov. bodies and ESZ Permissions from relevant authority, CRZ Clearance from Maharashtra Coastal Zone Management Authority (henceforth called 'MCZMA'), State Environmental Impact Assessment Authority (henceforth called 'SEIAA'), Government of Maharashtra and Mangrove Cell NOC in MBMC area.	मे. ए.बी.सी. टेक्नो लॅबस इंडिया प्रा.लि. मे. इकोफूटफॉरवर्ड एन्व्हायर्नमेंटल कन्सल्टन्सी अँड इंजिनिअर्स प्रा. लि. मे. इनव्हायरो कन्सल्टंट मे.इनव्हायरो इन्फ्रा कन्सल्टंट मे. फाईन एनव्हायरोटेक इंजिनिअर्स मे. टेराकॉन इकोटेक प्रायव्हेट लिमिटेड

I	Particulars	Units	Qty	Eco Foot Forward	Enviro Consultants	Terracon	Enviro Infra Consultant	Fine Envirotech Engineers	Abc Techno Labs India Private Limited	Lowest Rate
1	2	3	4	5	6	7	8	9	10	11
1	OBTAINING FOREST CLEARANCE									
1a	Obtaining Forest Clearance <5 Ha	EA	1	Rs.20,00,000/-	Rs.20,00,000/-	-	Rs.20,00,000/-	Rs.20,00,000/-	-	Rs.20,00,000/-
1b	Obtaining Forest Clearance >5 Ha & <25Ha (State Level)	EA	1	Rs.30,00,000/-	Rs.30,00,000/-	-	Rs.30,00,000/-	Rs.30,00,000/-	-	Rs.30,00,000/-
1c	Obtaining Forest Clearance >25Ha <40Ha (Central Level)	EA	1	Rs.40,00,000/-	Rs.40,00,000/-	-	Rs.40,00,000/-	Rs.40,00,000/-	-	Rs.40,00,000/-
1d	Obtaining Forest Clearance >41 Ha <60 Ha	EA	1	Rs.50,00,000/-	Rs.50,00,000/-	-	Rs.50,00,000/-	Rs.50,00,000/-	-	Rs.50,00,000/-
1e	Obtaining Forest Clearance >60Ha	PER HA	1	Rs.1,54,900/-	Rs.1,54,900/-	-	Rs.1,54,900/-	Rs.1,54,900/-	-	Rs.1,54,900/-
2	**Obtaining Wildlife Clearance (NBWL)**									
2a	Obtaining NBWL Clearance <5 Ha	EA	1	Rs.18,00,000/-	Rs.18,00,000/-	Rs.18,00,000/-	-	-	-	Rs.18,00,000/-
2b	Obtaining NBWL Clearance >5 Ha <25Ha (State Level)	EA	1	Rs.25,00,000/-	Rs.25,00,000/	-	-	-	-	Rs.25,00,000/-
2c	Obtaining NBWL Clearance >25Ha <40 Ha	EA	1	Rs.50,00,000/-	Rs.50,00,000/-	-	Rs.50,00,000/-	Rs.50,00,000/-	-	Rs.50,00,000/-
2d	2d Obtaining NBWL Clearance >41 Ha <60 Ha	EA	1	Rs.60,00,000/-	Rs.60,00,000/-	-	Rs.60,00,000/-	Rs.60,00,000/-	-	Rs.60,00,000/-
2e	Obtaining NBWL Clearance >60Ha	PER HA	1	Rs.1,81,000/-	Rs.1,81,000/-	-	Rs.1,81,000/-	-	-	Rs.1,81,000/-
3	Obtaining ESZ Permission	EA	1	Rs.5,00,000/-	Rs.5,00,000/-	-	-	-	-	Rs.5,00,000/-

4	Obtaining CRZ Clearances from SEIAA	EA	1	Rs.7,00,000/-	Rs.7,00,000/-	-	Rs.7,00,000/-	Rs.7,00,000/-	-	Rs.7,00,000/-
4a	Obtaining CRZ Clearances from SEIAA MoEF&CC, New Delhi	EA	1	Rs.8,00,000/-	Rs.8,00,000/-	-	Rs.8,00,000/-	Rs.8,00,000/-	-	Rs.8,00,000/-
5	Obtaining Mangrove Cell NOC	EA	1	Rs.5,00,000/-	Rs.5,00,000/-	Rs.5,00,000/-	-	-	-	Rs.5,00,000/-

मे. इकोफूटफॉरवर्ड एन्व्हायर्नमेंटल कन्सल्टन्सी अँड इंजिनिअर्स प्रा. लि. व मे. इनव्हायरो कन्सल्टंट यांनी नमुद कामातील सर्व बाबीचे तक्त्यात नमुद केल्याप्रमाणे लघुत्तम दराने काम करण्याचे मान्य केले आहे.

मे. टेराकॉन इकोटेक प्रायव्हेट लिमिटेड यांनी सदर कामातील नमुद एकूण बाबीपैकी बाब क्र.02a व बाब क्र.05 चे काम तक्त्यात नमुद केल्याप्रमाणे लघुत्तम दराने काम करण्याचे मान्य केले आहे.

मे.इनव्हायरो इन्फ्रा कन्सल्टंट यांनी नमुद कामातील एकूण बाबीपैकी 1a,1b,1c,1d,1e,2c,2d,2e,04 व 4a या बाबीचे काम तक्त्यात नमुद केल्याप्रमाणे लघुत्तम दराने काम करण्याचे मान्य केले आहे.

मे. फाईन एनव्हायरोटेक इंजिनिअर्स यांनी नमुद कामातील एकूण बाबीपैकी 1a,1b,1c,1d,1e,2c,2d,04 व 4a या बाबीचे काम तक्त्यात नमुद केल्याप्रमाणे लघुत्तम दराने काम करण्याचे मान्य केले आहे.

मे. ए.बी.सी. टेक्नो लॅबस इंडिया प्रा.लि. यांनी नमुद केलेल्या कामाकरीता पॅनलमधील इतर कन्सल्टंट प्रमाणे लघुत्तम दराने काम करण्यास नकार दर्शविलेला आहे. त्यानुसार ते अपात्र ठरत आहेत.

तरी मे. ए.बी.सी. टेक्नो लॅबस इंडिया प्रा.लि. कन्सल्टंट हे अपात्र ठरत असून इतर 05 कन्सल्टंट यांनी पॅनलमध्ये लघुत्तम समान दराने काम करण्याची तयारी दर्शविल्याने ते पात्र ठरत आहेत.

मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील कामास महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार मान्यता देण्यास शिफारस आहे.

(दिपक खांबित)
शहर अभियंता
मिरा-भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

प्रशासनीय
मा. महासभा / स्थायी समिती सभा
ठेवला आज दि. 31/07/2025 रोजी 9.20 वा
संगणक सं. क्र. 894 वर्ष 2025-26

लिपीक
नगररचना विभाग
मिरा-भाईंदर महानगरपालिका

PCB/DK/24-25/PC-80

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव दिनांक ०५/०२/ 2025

प्रकरण क्र. (४०८) :- निविदेस मान्यता देणेबाबत.

ठराव क्र. ४०८

अ. क्र	टेंडर आय डी	कामाचे नाव	निविदाधारकाचे नाव
1	2	3	4
1.	1055572_1 व 1121612_1	Empanelment of Consultant for Forest Clearance and National Board of Wildlife (NBWL) from Ministry of Environment, Forests and Climate Change (henceforth called 'MoEF&CC'), New Delhi and/or Government of Maharashtra and completing the procedure as per Forest Conservation Act, 1980 other related gov. bodies and ESZ Permissions from relevant authority, CRZ Clearance from Maharashtra Coastal Zone Management Authority (henceforth called 'MCZMA'), State Environmental Impact Assessment Authority (henceforth called 'SEIAA'), Government of Maharashtra and Mangrove Cell NOC in MBMC area.	मे. ए.बी.सी. टेक्नो लॅबस इंडिया प्रा.लि. मे. इकोफूटफॉरवर्ड एन्व्हायर्नमेंटल कन्सल्टन्सी अँड इंजिनिअर्स प्रा. लि. मे. इनव्हायरो कन्सल्टंट मे.इनव्हायरो इन्फ्रा कन्सल्टंट मे. फाईन एनव्हायरोटेक इंजिनिअर्स मे. टेराकॉन इकोटेक प्रायव्हेट लिमिटेड

I	Particulars	Units	Qty	Eco Foot Forward	Enviro Consultants	Terracon	Enviro Infra Consultant	Fote Enviratech Engineers	Abc Techno Labs India Private Limited	Lowest Rate
1	2	3	4	5	6	7	8	9	10	11
1	OBTAINING FOREST CLEARANCE									
1a	Obtaining Forest Clearance <5 Ha	EA	1	Rs.20,00,000/-	20,00,000/-	-	Rs.20,00,000/-	Rs.20,00,000/-	-	Rs.20,00,000/-
1b	Obtaining Forest Clearance >5 Ha & <25Ha (State Level)	EA	1	Rs.30,00,000/-	30,00,000/-	-	Rs.30,00,000/-	Rs.30,00,000/-	-	Rs.30,00,000/-
1c	Obtaining Forest Clearance >25Ha <40Ha (Central Level)	EA	1	Rs.40,00,000/-	40,00,000/-	-	Rs.40,00,000/-	Rs.40,00,000/-	-	Rs.40,00,000/-
1d	Obtaining Forest Clearance >41 Ha <60 Ha	EA	1	Rs.50,00,000/-	50,00,000/-	-	Rs.50,00,000/-	Rs.50,00,000/-	-	Rs.50,00,000/-
1e	Obtaining Forest Clearance >60Ha	PER HA	1	Rs.1,54,900/-	Rs.1,54,900/-	-	Rs.1,54,900/-	Rs.1,54,900/-	-	Rs.1,54,900/-
2	Obtaining Wildlife Clearance (NBWL)									
2a	Obtaining NBWL Clearance <5 Ha	EA	1	Rs.18,00,000/-	Rs.18,00,000/-	Rs.18,00,000/-	-	-	-	Rs.18,00,000/-
2b	Obtaining NBWL Clearance >5 Ha <25Ha (State Level)	EA	1	Rs.25,00,000/-	Rs.25,00,000	-	-	-	-	Rs.25,00,000/-
2c	Obtaining NBWL Clearance >25Ha <40Ha	EA	1	Rs.50,00,000/-	Rs.50,00,000/-	-	Rs.50,00,000/-	Rs.50,00,000/-	-	Rs.50,00,000/-
2d	2d Obtaining NBWL Clearance >41 Ha <60 Ha	EA	1	Rs.60,00,000/-	Rs.60,00,000/-	-	Rs.60,00,000/-	Rs.60,00,000/-	-	Rs.60,00,000/-
2e	Obtaining NBWL Clearance >60Ha	PER HA	1	Rs.1,81,000/-	Rs.1,81,000/-	-	Rs.1,81,000/-	-	-	1,81,000/-
3	Obtaining ESZ Permission	EA	1	5,00,000/-	Rs.5,00,000/-	-	-	-	-	5,00,000/-
4	Obtaining CRZ Clearances from SEIAA	EA	1	7,00,000/-	Rs.7,00,000/-	-	Rs.7,00,000/-	Rs.7,00,000/-	-	7,00,000/-
4a	Obtaining CRZ Clearances from SEIAA MoEF&CC, New Delhi	EA	1	8,00,000/-	Rs.8,00,000/-	-	Rs.8,00,000/-	Rs.8,00,000/-	-	8,00,000/-
5	Obtaining Mangrove Cell NOC	EA	1	5,00,000/-	Rs.5,00,000/-	Rs.5,00,000/-	-	-	-	5,00,000/-

मे. इकोफूटफॉरवर्ड एन्व्हायर्नमेंटल कन्सल्टन्सी अँड इंजिनिअर्स प्रा. लि. व मे. इनव्हायरो कन्सल्टंट यांनी नमुद कामातील सर्व बाबींचे तक्त्यात नमुद केल्याप्रमाणे लघुत्तम दराने काम करण्याचे मान्य केले आहे.

मे. टेराकॉन इकोटेक प्रायव्हेट लिमिटेड यांनी सदर कामातील नमुद एकूण बाबींपैकी बाब क्र.02a व बाब क्र.05 चे काम तक्त्यात नमुद केल्याप्रमाणे लघुत्तम दराने काम करण्याचे मान्य केले आहे.

मे.इनव्हायरो इन्फ्रा कन्सल्टंट यांनी नमुद कामातील एकूण बाबींपैकी 1a,1b,1c,1d,1e,2c,2d,2e,04 व 4a या बाबींचे काम तक्त्यात नमुद केल्याप्रमाणे लघुत्तम दराने काम करण्याचे मान्य केले आहे.

मे. फाईन एनव्हायरोटेक इंजिनिअर्स यांनी नमुद कामातील एकूण बाबींपैकी 1a,1b,1c,1d,1e,2c,2d,04 व 4a या बाबींचे काम तक्यात नमुद केल्याप्रमाणे लघुत्तम दराने काम करण्याचे मान्य केले आहे.

मे. ए.बी.सी. टेक्नो लॅबस इंडिया प्रा.लि. यांनी नमुद केलेल्या कामाकरीता पॅनलमधील इतर कन्सल्टंट प्रमाणे लघुत्तम दराने काम करण्यास नकार दर्शविलेला आहे. त्यानुसार ते अपात्र ठरत आहेत.

तरी मे. ए.बी.सी. टेक्नो लॅबस इंडिया प्रा.लि. कन्सल्टंट हे अपात्र ठरत असून इतर 05 कन्सल्टंट यांनी पॅनलमध्ये लघुत्तम समान दराने काम करण्याची तयारी दर्शविल्याने ते पात्र ठरत आहेत.

मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील 01 कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार प्रशासकीय ठरावाव्दारे मान्यता देण्यात येत आहे.

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबधित विभागाने विहित पध्दतीने करावी.

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

(संजय काटकर, भाप्रसे)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

प्रत बांधकाम विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना

मिरा-भाईंदर महानगरपालिका

बांधकाम विभाग

दि. 04/ 02 /2025

// गोषवारा //

प्रकरण क्र. (४०९) :- निविदेस मान्यता देणेबाबत.

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव	सादर केलेला दर
1	2	3	4	5	6
1.	1122577_1	मिरा भाईंदर महानगरपालिका क्षेत्रातील पूर परिस्थिती रोखण्यासाठी व्यवस्था करणे (प्रोत्साहन निधी)	₹.8,11,70,007/-	**मे. विशाल कंस्ट्रक्शन**	**2.0000% कमी दराने**

वरील कामी **मे. विशाल कंस्ट्रक्शन** या निविदाधारकाने **2.0000% कमी दराने** निविदा सादर केल्या आहेत. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार मान्यता देण्यास शिफारस आहे.

(दिपक खांबित)
शहर अभियंता
मिरा-भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव दिनांक 04/02/ 2025

प्रकरण क्र. (60e) :- निविदेस मान्यता देणेबाबत.

ठराव क्र. 60e

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव	सादर केलेला दर
1	2	3	4	5	6
1.	1122577_1	मिरा भाईंदर महानगरपालिका क्षेत्रातील पूर परिस्थिती रोखण्यासाठी व्यवस्था करणे (प्रोस्ताहन निधी)	₹.8,11,70,007/-	**मे. विशाल कंस्ट्रक्शन**	**2.0000% कमी दराने**

वरील कामी **मे. विशाल कंस्ट्रक्शन** या निविदाधारकाने **2.0000% कमी दराने** निविदा सादर केली आहे. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील 01 कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार प्रशासकीय ठरावाव्दारे मान्यता देण्यात येत आहे.

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबधित विभागाने विहित पध्दतीने करावी.

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

(संजय काटकर, भाप्रसे)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

प्रत बांधकाम विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना

मिरा-भाईंदर महानगरपालिका

।। गोषवारा ।।

दि. 04/02/2024

प्रकरण क्र. (490) :- मा. आयुक्त यांनी मंजूरी दिलेल्या निविदांचे अवलोकन करणे.
(पाणी पुरवठा व मलनि:सारण विभाग)

मिरा-भाईंदर महानगरपालिकेच्या पाणी पुरवठा व मलनि:सारण विभागाकरीता मा. आयुक्त यांनी मंजूरी दिलेल्या निविदाचा तपशील खालीलप्रमाणे आहे.

अ.क्र	कामाचे नाव	अंदाजित रक्कम (जी.एस.टी.वगळून)	कंत्राटदाराचे नाव	मंजूर निविदा रक्कम (जी.एस.टी.वगळून)
1.	मिरा-भाईंदर महानगरपालिका क्षेत्रातील मलनिसारण केंद्राच्या क्लोरीन प्लांटची वार्षिक दुरुस्ती करणे (Tender Id No. 2024_MBMC _1131618_1) (फेर-निविदा सुचना क्र.36)	रु.12,26,000/-	मे. एस.के. सप्लायर्स अॅन्ड कॉन्ट्रक्टर्स	रु.12,13,740/- (अंदाजपत्रक दरापेक्षा 1.0000% कमी दर)

वरील निविदांना मा.आयुक्त महोदय यांनी महाराष्ट्र महानगरपालिका अधिनियम कलम 73 (ड) अन्वये निविदा दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात उपरोक्त कामास महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (ड) नुसार अवलोकन करण्यास शिफारस आहे.

(दिपक खांबित)
शहर अभियंता
मिरा-भाईंदर महानगरपालिका

मा.आयुक्त सो. यांच्या मान्यतेने

मिरा-भाईंदर महानगरपालिका

प्रशासकिय ठराव क्र. (६९०) दिनांक :- 04/02/2025

प्रकरण क्र. (६९०) :- मा. आयुक्त यांनी मंजूरी दिलेल्या निविदांचे अवलोकन करणे. (पाणी पुरवठा विभाग)

मिरा-भाईंदर महानगरपालिकेच्या पाणी पुरवठा व मलनि:सारण विभागाकरीता मा. आयुक्त यांनी मंजूरी दिलेल्या निविदांचे अवलोकन करण्यात आले.

अ.क्र	कामाचे नाव	अंदाजित रक्कम (जी.एस.टी.वगळून)	कंत्राटदाराचे नाव	मंजूर निविदा रक्कम (जी.एस.टी.वगळून)
1.	मिरा-भाईंदर महानगरपालिका क्षेत्रातील मलनिसारण केंद्राच्या क्लोरीन प्लांटची वार्षिक दुरुस्ती करणे (Tender Id No. 2024_MBMC _1131618_1) (फेर-निविदा सुचना क्र.36)	रु.12,26,000/-	मे. एस.के. सप्लायर्स अॅन्ड कॉन्ट्रक्टर्स	रु.12,13,740/- (अंदाजपत्रक दरापेक्षा 1.0000% कमी दर)

वरील निविदांना मा.आयुक्त महोदय यांनी महाराष्ट्र महानगरपालिका अधिनियम कलम 73 (ड) अन्वये निविदा दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात उपरोक्त कामास महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (ड) नुसार मान्यता देत आहे. पारित ठरावानुसार पाणी पुरवठा व मलनि:सारण विभागाने नियमानुसार पुढील कार्यवाही करावी.

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

(संजय श्रीपतराव काटकर, भाप्रसे)
प्रशासक तथा आयुक्त
मिरा-भाईंदर महानगरपालिका

प्रत :- पाणी पुरवठा व मलनि:सारण विभाग

मिरा-भाईंदर महानगरपालिका

पाणी पुरवठा व मलनिसारण विभाग

// गोषवारा //

दि. 05 / 02 /2025

प्रकरण क्रमांक :- (699) निविदांना मान्यता देणे.

कामाचे नाव :- मिरा-भाईंदर महानगरपालिका क्षेत्रात खाजगी टँकरव्दारे पाणी पुरवठा करणेकरीता टँकर पुरवठा दारांचे पॅनल तयार करणेकामी टँकर पुरवठा दर मागविणे. (निविदा बी-2) (Tender Id No. 2024_MBMC_1125431_1) (फेर-निविदा सुचना क्र.35)

अ.क्र	NIC Count		Sr.No	Item Description	Quantity	Units	ठेकेदाराने सादर केलेल दर		(L1) दर	दर वाटाघाटीनंतर सादर केलेले दर
	Tender Id No	Bid Count					मे. सिद्धविनायक वॉटर सप्लायर्स	मे. आदिनाथ इंटरप्रायजेस		
1.	2024_MBMC_1125431_1 (35)	02	1)	टँकर पुरवठा दर	1	Per Trip	रु.760/-	रु.770/-	रु.760/-	रु.760/-

उपरोक्त निविदेतील कामाकरीता महानगरपालिका दर निश्चित करुन पॅनल तयार करावयाचे असल्याने प्राप्त न्युनतम दर (L1) नुसार **रु.760/- (प्रति टँकर पुरवठा)** या दरास वरील दोन्ही ठेकेदारांनी काम करण्यास सहमती दर्शवलेली आहे.

वरील निविदांना मा.आयुक्त महोदय यांनी महाराष्ट्र महानगरपालिका अधिनियम कलम 73 (क) अन्वये निविदा दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांनी प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात उपरोक्त कामास महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार मान्यता देणेस शिफारस आहे.

(दिपक खांबित)
शहर अभियंता
मिरा-भाईंदर महानगरपालिका

मा. आयुक्त सो. यांच्या मान्यतेने

मिरा-भाईंदर महानगरपालिका

प्रशासकिय ठराव क्र. ४९९ दिनांक :-०५/०४/२०२५

प्रकरण क्रमांक :- (४९९) निविदांना मान्यता देणे.

मिरा-भाईंदर महानगरपालिका क्षेत्रातील विविध निविदांना मान्यता देण्याच्या प्रस्तावांचे अवलोकन करण्यात आले.

कामाचे नाव :- मिरा-भाईंदर महानगरपालिका क्षेत्रात खाजगी टँकरव्दारे पाणी पुरवठा करणेकरीता टँकर पुरवठा दारांचे पॅनल तयार करणेकामी टँकर पुरवठा दर मागविणे. (निविदा बी-2) (Tender Id No. 2024_MBMC_1125431_1) (फेर-निविदा सुचना क्र.35)

अ.क्र	NIC Count		Sr.No	Item Description	Quantity	Units	ठेकेदाराने सादर केलेल दर		(L1) दर	दर वाटाघाटीनंतर सादर केलेले दर
	Tender Id No	Bid Count					मे. सिद्धविनायक वॉटर सप्लायर्स	मे. आदिनाथ इंटरप्रायजेस		
1.	2024_MBMC_1125431_1 (35)	02	1)	टँकर पुरवठा दर	1	Per Trip	**रु.760/-**	रु.770/-	**रु.760/-**	**रु.760/-**

उपरोक्त निविदेतील कामाकरीता महानगरपालिका दर निश्चित करुन पॅनल तयार करावयाचे असल्याने प्राप्त न्युनतम दर (L1) नुसार **रु.760/- (प्रति टँकर पुरवठा)** या दरास वरील दोन्ही ठेकेदारांनी काम करण्यास सहमती दर्शवलेली आहे.

वरील निविदांना मा.आयुक्त महोदय यांनी महाराष्ट्र महानगरपालिका अधिनियम कलम 73 (क) अन्वये निविदा दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांनी प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात उपरोक्त कामास महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार मान्यता देत आहे. पारित ठरावानुसार पाणी पुरवठा व मलनि:सारण विभागाने नियमानुसार पुढील कार्यवाही करावी.

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

(संजय श्रीपतराव काटकर, भाप्रसे)
प्रशासक तथा आयुक्त
मिरा-भाईंदर महानगरपालिका

प्रत :- पाणी पुरवठा व मलनि:सारण विभाग

मिरा भाईंदर महानगरपालिका

दि.०५/०२/2025

// गोषवारा //

प्रकरण क्र.892 मे.शार्प सर्व्हिसेस यांना देण्यात आलेला 119 संगणक चालक तथा लिपीक पुरवठा करणेचा ठेका रद्द करुन नवीन ठेकेदार नियुक्त होईपर्यंत संगणक चालक तथा लिपीक उपलब्ध करुन देण्यास पर्यायी व्यवस्था करणेसाठी मंजुरी मिळणेबाबत.

मिरा भाईंदर महानगरपालिकेच्या विविध विभागांतर्गत ठेका पध्दतीने 105 संगणक चालक तथा लिपीक व 03 लघुलेखक मनुष्यबळ पुरवठा करण्याकरीता दि.07/04/2022 रोजी करारनामा करुन दि.11/05/2022 रोजी 03 वर्षाकरीता 105 संगणक चालक तथा लिपीक तसेच दि.28/04/2023 अन्वये 11 संगणक चालक तथा लिपीक (ठेका) पुरवठा करणेबाबत मे.शार्प सर्व्हिसेस यांना कार्यादेश देण्यात आलेला आहे. त्यानुसार मे.शार्प सर्व्हिसेस यांचेमार्फत 119 ठेका संगणक चालक तथा लिपीक यांचा पुरवठा करण्यात येत आहे.

ठेका संगणक चालक तथा लिपीक कर्मचाऱ्यांचे वेतन वेळेत अदा करीत नसल्यामुळे मे.शार्प सर्व्हिसेस यांना वेळोवेळी नोटीस देण्यात आलेली आहे.

करारनाम्यातील अट क्र.33 मध्ये "व्दितीय पक्षकारास कामाचा महिना संपताच कर्मचाऱ्यांच्या वेतनाची मागणी महानगरपालिकेस सादर करावी व व्दितीय पक्ष यांनी प्रत्येक महिन्यास कामगारांना वेळच्या वेळी किमान वेतन कायद्यानुसार वेतन अदा (प्रत्येक महिन्याच्या 10 तारखेच्या आतमध्ये) करणे बंधनकारक राहिल", असे नमुद आहे.

दि.07/04/2022 रोजी केलेल्या करारनाम्यातील अट क्र.35 मध्ये "व्दितीय पक्षाच्या कामाबाबत अनियमितता, तक्रारी तसेच काम समाधानकारक न आढळल्यास सात दिवसाची लेखी नोटीस देऊन व्दितीय पक्षयाने अनियमितता व तक्रारीचे निराकरण न केल्यास नियमानुसार कारवाई करण्यात येईल", असे नमुद आहे.

करारनाम्यातील अट क्र.06 मध्ये "मंजूर निविदाधारकांने मनपाच्या परवानगीविना ठेका संगणक चालक तथा लिपीक व लघुलेखक पुरवठा करण्याचे काम खंडीत केले अथवा निविदा नियम अटीचा भंग केल्यास किंवा ठेका संगणक चालक तथा लिपीक व लघुलेखक सेवा पुरवठा करणे कामी संबंधीत विभागाकडुन तक्रार आल्यास मंजूर निविदाधारक म्हणजेच द्वितीय पक्षीय (L1) यांची अनामत रक्कम किंवा तिचा काही भाग जप्त करुन, सदर काम रद्द करुन, सदरच्या कंपनीस काळया यादीत टाकण्यात येईल. व्दितीय पक्षकारास Risk and Cost चे कलम लागु असेल", असे नमुद आहे.

मे.शार्प सर्व्हिसेस यांनी दि.07/04/2022 रोजीच्या करारनाम्यातील अट क्र.33 चा भंग केल्याचे दिसून येत आहे.

कंत्राटदार यांचे कंत्राट रद्द करणेपुर्वी तसेच त्यांना 01 वर्षाच्या कालावधीकरीता काळ्या यादीत टाकणेपुर्वी त्यांचे म्हणणे मांडणेकरीता करारनाम्यातील अट क्र.24 नुसार किमान 15 दिवसांच्या अवधीची नोटीस देऊन खुलासा मागविणे आवश्यक असल्याने त्यांना दि.12/12/2024 रोजी नोटीस देण्यात आली आहे. सदर नोटीसीचा दि.26/12/2024 रोजी त्यांनी खुलासा केलेला आहे. सदर खुलाशामध्ये त्यांनी मोघम स्वरुपाची कारणे नमुद केलेली आहेत.

संगणक चालक तथा लिपीक यांना किमान वेतन दराप्रमाणे रु.20,691/- प्रति कर्मचाऱ्यांच्या बँक खात्यावर वेतन जमा करणेबाबत मे.शार्प सर्व्हिसेस यांना मौखिक व लेखी कळवूनसुध्दा माहे ऑक्टोबर-2024 चे वेतन रु.17,031/- प्रमाणे अदा केले आहे. तसेच माहे नोव्हेंबर-2024 चे वेतन जरी

किमान वेतन दराप्रमाणे रु.20,691/- प्रति कर्मचारी प्रमाणे केले आहे, तथापी सदरचे वेतन दि.27/12/2024 रोजी कर्मचाऱ्यांच्या बँक खात्यावर जमा केले आहे. तसेच माहे डिसेंबर-2024 चे वेतन रु.17,031/- प्रमाणे अदा केले आहे.

कर्मचाऱ्यांचे वेतन प्रत्येक वेळी उशीराने अदा करणे, याबाबत संगणक चालक तथा लिपीक कर्मचारी व संबंधित विभागप्रमुख यांचेकडून वारंवार तक्रार प्राप्त होणे, कामात अनियमितता तसेच काम समाधानकारक नाही, या सर्व कामांमुळे कंत्राटदार यांनी सादर केलेला खुलासा अमान्य करणे उचित वाटते.

मे.शार्प सर्व्हिसेस यांना देण्यात आलेला 119 संगणक चालक तथा लिपीक पुरवठा करणेचा ठेका रद्द केल्यास नवीन ठेकेदार नियुक्त होईपर्यंत विविध विभागातील कामकाजासाठी संगणक चालक उपलब्ध करुन देण्यासाठी पर्यायी व्यवस्था करणेची आवश्यकता आहे.

सद्यस्थितीत मिरा भाईदर महानगरपालिकेच्या विविध विभागात विविध ठेकेदार यांचेकडून आवश्यकतेनुसार ठेका कर्मचारी पुरवठा करणेत येत आहे. सदर ठेकेदारांपैकी मे.ओम साई सेक्युरिटी अॅन्ड फॅसिलिटी मॅनेजमेंट यांचेकडून मनुष्यबळ पुरवठा केल्याच्या कामकाजाचा चांगला अनुभव दिसून आलेला आहे.

ठेका पध्दतीने संगणक चालक तथा लिपीक पुरवठा करणेकरीता मे.ओम साई सिक्युरिटी अॅण्ड फॅसिलिटी मॅनेजमेंट ठेकेदारास पर्यायी व्यवस्था म्हणून त्यांना दि.14/12/2024 रोजीच्या पत्रान्वये विविध विभागातील कामकाजासाठी संगणक चालक तथा लिपीक उपलब्ध करुन देण्यास ईच्छुक आहेत अथवा कसे याबाबत लेखी कळविणेत आले होते. त्याअनुषंगाने मे.ओम साई सिक्युरिटी अॅण्ड फॅसिलिटी मॅनेजमेंट यांनी दि.10/01/2025 रोजीच्या पत्रान्वये विविध विभागातील कामकाजासाठी संगणक चालक तथा लिपीक उपलब्ध करुन देण्यास ईच्छुक असल्याबाबत लेखी कळविले आहे.

मे.शार्प सर्व्हिसेस यांनी सादर केलेला खुलासा अमान्य करुन त्यांचा ठेका रद्द करुन महाराष्ट्र महानगरपालिका अधिनियमाच्या अनुसूची 'ड' प्रकरण 5(2)(2) अन्वये मे.ओम साई सेक्युरिटी अॅन्ड फॅसिलिटी मॅनेजमेंट यांची 119 संगणक चालक तथा लिपीक ठेका पध्दतीने उपलब्ध करुन देण्याकरीता नवीन ठेकेदार नियुक्त होईपर्यंत पर्यायी व्यवस्था म्हणून नियुक्ती करणेस व त्याकामी होणाऱ्या खर्चास मा.प्रशासक यांची आर्थिक व प्रशासकीय मंजूरी मिळणेस शिफारस आहे.

(मा.आयुक्त महोदय यांचे मान्यतेने)

(कल्पिता पिंपळे)
उप-आयुक्त (मुख्यालय)
मिरा भाईदर महानगरपालिका

मा. महासभा / स्थायी समिती सभा
ठेवावा ठराव दि 30/01/2025 ठराव क्र
दि 30/1/25
मिरा-भाईंदर महानगरपालिका

मिरा भाईंदर महानगरपालिका

दि. 04/02 /2025

प्रकरण क्र. 692:- मे.शार्प सर्व्हिसेस यांना देण्यात आलेला 119 संगणक चालक तथा लिपीक पुरवठा करणेचा ठेका रद्द करून नवीन ठेकेदार नियुक्त होईपर्यंत संगणक चालक तथा लिपीक उपलब्ध करून देण्यास पर्यायी व्यवस्था करणेसाठी मंजुरी मिळणेबाबत.

कार्यालयीन प्रस्ताव

मिरा भाईंदर महानगरपालिकेच्या विविध विभागांतर्गत ठेका पध्दतीने 105 संगणक चालक तथा लिपीक व 03 लघुलेखक मनुष्यबळ पुरवठा करण्याकरीता दि.07/04/2022 रोजी करारनामा करुन दि.11/05/2022 रोजी 03 वर्षाकरीता 105 संगणक चालक तथा लिपीक तसेच दि.28/04/2023 अन्वये 11 संगणक चालक तथा लिपीक (ठेका) पुरवठा करणेबाबत मे.शार्प सर्व्हिसेस यांना कार्यादेश देण्यात आलेला आहे. त्यानुसार मे.शार्प सर्व्हिसेस यांचेमार्फत 119 ठेका संगणक चालक तथा लिपीक यांचा पुरवठा करण्यात येत आहे.

ठेका संगणक चालक तथा लिपीक कर्मचाऱ्यांचे वेतन वेळेत अदा करीत नसल्यामुळे मे.शार्प सर्व्हिसेस यांना वेळोवेळी नोटीस देण्यात आलेली आहे.

करारनाम्यातील अट क्र.33 मध्ये "व्दितीय पक्षकारास कामाचा महिना संपताच कर्मचाऱ्यांच्या वेतनाची मागणी महानगरपालिकेस सादर करावी व व्दितीय पक्ष यांनी प्रत्येक महिन्यास कामगारांना वेळच्या वेळी किमान वेतन कायद्यानुसार वेतन अदा (प्रत्येक महिन्याच्या 10 तारखेच्या आतमध्ये) करणे बंधनकारक राहिल", असे नमुद आहे.

दि.07/04/2022 रोजी केलेल्या करारनाम्यातील अट क्र.35 मध्ये "व्दितीय पक्षाच्या कामाबाबत अनियमितता, तक्रारी तसेच काम समाधानकारक न आढळल्यास सात दिवसाची लेखी नोटीस देऊन व्दितीय पक्षयाने अनियमितता व तक्रारीचे निराकरण न केल्यास नियमानुसार कारवाई करण्यात येईल", असे नमुद आहे.

करारनाम्यातील अट क्र.06 मध्ये "मंजूर निविदाधारकांने मनपाच्या परवानगीविना ठेका संगणक चालक तथा लिपीक व लघुलेखक पुरवठा करण्याचे काम खंडीत केले अथवा निविदा नियम अटीचा भंग केल्यास किंवा ठेका संगणक चालक तथा लिपीक व लघुलेखक सेवा पुरवठा करणे कामी संबंधीत विभागाकडुन तक्रार आल्यास मंजूर निविदाधारक म्हणजेच द्वितीय पक्षीय (L1) यांची अनामत रक्कम किंवा तिचा काही भाग जप्त करुन, सदर काम रद्द करुन, सदरच्या कंपनीस काळया यादीत टाकण्यात येईल. व्दितीय पक्षकारास Risk and Cost चे कलम लागु असेल", असे नमुद आहे.

मे.शार्प सर्व्हिसेस यांनी दि.07/04/2022 रोजीच्या करारनाम्यातील अट क्र.33 चा भंग केल्याचे दिसून येत आहे.

कंत्राटदार यांचे कंत्राट रद्द करणेपुर्वी तसेच त्यांना 01 वर्षाच्या कालावधीकरीता काळ्या यादीत टाकणेपुर्वी त्यांचे म्हणणे मांडणेकरीता करारनाम्यातील अट क्र.24 नुसार किमान 15 दिवसांच्या अवधीची नोटीस देऊन खुलासा मागविणे आवश्यक असल्याने त्यांना दि.12/12/2024 रोजी नोटीस देण्यात आली आहे. सदर नोटीसीचा दि.26/12/2024 रोजी त्यांनी खुलासा केलेला आहे. सदर खुलाशामध्ये त्यांनी मोघम स्वरुपाची कारणे नमुद केलेली आहेत.

संगणक चालक तथा लिपीक यांना किमान वेतन दराप्रमाणे रु.20,691/- प्रति कर्मचाऱ्यांच्या बँक खात्यावर वेतन जमा करणेबाबत मे.शार्प सर्व्हिसेस यांना मौखिक व लेखी कळवूनसुध्दा माहे ऑक्टोबर-2024 चे वेतन रु.17,031/- प्रमाणे अदा केले आहे. तसेच माहे नोव्हेंबर-2024 चे वेतन जरी किमान वेतन दराप्रमाणे रु.20,691/- प्रति कर्मचारी प्रमाणे केले आहे, तथापी सदरचे वेतन दि.27/12/2024 रोजी कर्मचाऱ्यांच्या बँक खात्यावर जमा केले आहे. तसेच माहे डिसेंबर-2024 चे वेतन रु.17,031/- प्रमाणे अदा केले आहे.

कर्मचाऱ्यांचे वेतन प्रत्येक वेळी उशीराने अदा करणे, याबाबत संगणक चालक तथा लिपीक कर्मचारी व संबधित विभागप्रमुख यांचेकडून वारंवार तक्रार प्राप्त होणे, कामात अनियमितता तसेच काम

समाधानकारक नाही, या सर्व कामांमुळे कंत्राटदार यांनी सादर केलेला खुलासा अमान्य करणे उचित वाटते.

मे.शार्प सर्व्हिसेस यांना देण्यात आलेला 119 संगणक चालक तथा लिपीक पुरवठा करणेचा ठेका रद्द केल्यास नवीन ठेकेदार नियुक्त होईपर्यंत विविध विभागातील कामकाजासाठी संगणक चालक उपलब्ध करून देण्यासाठी पर्यायी व्यवस्था करणेची आवश्यकता आहे.

सद्यस्थितीत मिरा भाईंदर महानगरपालिकेच्या विविध विभागात विविध ठेकेदार यांचेकडून आवश्यकतेनुसार ठेका कर्मचारी पुरवठा करणेत येत आहे. सदर ठेकेदारांपैकी मे.ओम साई सेक्युरिटी ॲन्ड फॅसिलिटी मॅनेजमेंट यांचेकडून मनुष्यबळ पुरवठा केल्याच्या कामकाजाचा चांगला अनुभव दिसून आलेला आहे.

ठेका पध्दतीने संगणक चालक तथा लिपीक पुरवठा करणेकरीता मे.ओम साई सिक्युरिटी ॲण्ड फॅसिलिटी मॅनेजमेंट ठेकेदारास पर्यायी व्यवस्था म्हणून त्यांना दि.14/12/2024 रोजीच्या पत्रान्वये विविध विभागातील कामकाजासाठी संगणक चालक तथा लिपीक उपलब्ध करून देण्यास ईच्छुक आहेत अथवा कसे याबाबत लेखी कळविणेत आले होते. त्याअनुषंगाने मे.ओम साई सिक्युरिटी ॲण्ड फॅसिलिटी मॅनेजमेंट यांनी दि.10/01/2025 रोजीच्या पत्रान्वये विविध विभागातील कामकाजासाठी संगणक चालक तथा लिपीक उपलब्ध करून देण्यास ईच्छुक असल्याबाबत लेखी कळविले आहे.

मे.शार्प सर्व्हिसेस यांनी सादर केलेला खुलासा अमान्य करून त्यांचा ठेका रद्द करून महाराष्ट्र महानगरपालिका अधिनियमाच्या अनुसूची 'ड' प्रकरण 5(2)(2) अन्वये मे.ओम साई सेक्युरिटी ॲन्ड फॅसिलिटी मॅनेजमेंट यांची 119 संगणक चालक तथा लिपीक ठेका पध्दतीने उपलब्ध करून देण्याकरीता नवीन ठेकेदार नियुक्त होईपर्यंत पर्यायी व्यवस्था म्हणून नियुक्ती करणेस व त्याकामी होणाऱ्या खर्चास मा.प्रशासक यांची आर्थिक व प्रशासकीय मंजूरी मिळावी असा कार्यालयीन प्रस्ताव प्रशासनामार्फत सादर करण्यात आला.

प्रशासकीय ठराव क्र. 492 दिनांक 04/02/2025

मे.शार्प सर्व्हिसेस यांना देण्यात आलेला 119 संगणक चालक तथा लिपीक पुरवठा करणेचा ठेका रद्द करून नवीन ठेकेदार नियुक्त होईपर्यंत संगणक चालक तथा लिपीक उपलब्ध करून देण्यास पर्यायी व्यवस्था करणेसाठी मंजुरी मिळणेबाबत.

महाराष्ट्र महानगरपालिका अधिनियमातील तरतुदी व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) नुसार महाराष्ट्र शासन, नगर विकास विभागाकडील शासन आदेश क्रमांक : एमसीओ 2020/प्र.क्र.71(भाग-2)/नवि-14, दि.26/08/2022 अन्वये प्रशासनाने सादर केलेल्या विषयास अनुसरुन "मे.शार्प सर्व्हिसेस यांना दिलेल्या नोटीसीचा त्यांनी सादर केलेला खुलासा अमान्य करून त्यांचा ठेका रद्द करून महाराष्ट्र महानगरपालिका अधिनियमाच्या अनुसूची 'ड' प्रकरण 5(2)(2) अन्वये मे.ओम साई सेक्युरिटी ॲन्ड फॅसिलिटी मॅनेजमेंट यांची 119 संगणक चालक तथा लिपीक ठेका पध्दतीने उपलब्ध करून देण्याकरीता नवीन ठेकेदार नियुक्त होईपर्यंत पर्यायी व्यवस्था म्हणून नियुक्ती करणेस व त्याकामी होणाऱ्या खर्चास आर्थिक व प्रशासकीय मान्यता मिळणेबाबतच्या प्रस्तावास मंजुरी देण्यात येत आहे."

पुढील आवश्यक कार्यवाही नियमानुसार संबंधित विभागाने विहित पध्दतीने करावी.

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

(संजय श्रीपतराव काटकर, आ.प्र.से.)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

मिरा-भाईंदर महानगरपालिका

// पाणी पुरवठा व मलनि:सारण विभाग //

// गोषवारा //

४९३ दि.०५/०३/२०२५

प्रकरण क्र ( ) :- लोढा ॲक्वा या इमारती मधील मलउदंचन केंद्राची देखभाल व सर्व समावेशक दुरुस्तीसह नविन 5 एच.पी. क्षमतेचे नॉन-क्लॉग सबमर्शिबल सिवेज पंप संच स्काडासह डिझाईन, पुरवठा, उभारणी, चाचणी व कार्यान्वित करणे या कामास आर्थिक व प्रशासकिय मान्यता मिळणेबाबत.

मिरा भाईंदर महानगरपालिका क्षेत्रात दहिसर चेकनाका येथे एम.एम.आर.आर.डी कडुन रेंटल हाउसिंग स्कीम अंतर्गत लोढा ॲक्वा इमारत बांधण्यात आलेली असुन ती सन 2014 साली महानगरपालिकेस हस्तांतरीत झालेली आहे. सदर इमारतीमध्ये बि.एस.यु.पी. पात्र लाभार्थी, डिपी. रस्त्यामध्ये बाधित लाभार्थी वास्तव्यास आहेत. त्यामुळे सदर इमारतीमधील मलउदंचन केंद्राची देखभाल दुरुस्ती करणे आवश्यक आहे.

सदर मलउदंचन केंद्रामध्ये सद्यस्थितीत 3 एच.पी. क्षमतेचा पंप कार्यान्वित आहे. सदरचा पंप अपुरा पडत असल्याने सदर ठिकाणी 5 एच.पी. चे 2 पंप (म्हणजेच यापैकी 1 पंप स्टॅंड बाय असणार आहे.) बसविण्याचे व सदर मलउदंचन केंद्रामध्ये AUTOMATION SYSTEM राबविणे प्रस्तावित आहे. त्यामुळे मनुष्यबळार होणारा खर्च कमी होऊन वार्षिक निविदेमध्ये आर्थिक बचत होईल. तरी सदर काम करणे गरजेचे आहे.

त्यानुसार खालीलप्रमाणे अंदाजपत्रक तयार करण्यात आलेले आहे.

अ.क्र.	कामाचे नाव	अंदाजित खर्च (जी.एस.टी. सहित)
1.	लोढा ॲक्वा या इमारती मधील मलउदंचन केंद्राची देखभाल व सर्व समावेशक दुरुस्तीसह नविन 5 एच.पी. क्षमतेचे नॉन-क्लॉग सबमर्शिबल सिवेज पंप संच स्काडासह डिझाईन, पुरवठा, उभारणी, चाचणी व कार्यान्वित करणे	रु. 49,64,905/-

सदर कामास प्रशासकिय ठरावाद्वारे आर्थिक व प्रशासकिय मान्यता देणेस शिफारस आहे.

(दिपक खांबित)
शहर अभियंता
मिरा-भाईंदर महानगरपालिक

मा.आयुक्त यांच्या मान्यतेने

मिरा भाईंदर महानगरपालिका

// पाणी पुरवठा व मलनि:सारण विभाग //

प्रशासकीय ठराव दिनांक 05/02/२०२५

प्रकरण क्र. (४९३) :- लोढा ॲक्वा या इमारती मधील मलउदंचन केंद्राची देखभाल व सर्व समावेशक दुरुस्तीसह नविन 5 एच.पी. क्षमतेचे नॉन-क्लॉग सबमर्शिबल सिवेज पंप संच स्काडासह डिझाईन, पुरवठा, उभारणी, चाचणी व कार्यान्वित करणे या कामास आर्थिक व प्रशासकिय मान्यता मिळणेबाबत.

ठराव क्र. (४९३)

कार्यलयीन प्रस्तावना

मिरा भाईंदर महानगरपालिका क्षेत्रात दहिसर चेकनाका येथे एम.एम.आर.आर.डी कडुन रेंटल हाऊसिंग स्कीम अंतर्गत लोढा ॲक्वा इमारत बांधण्यात आलेली असुन ती सन 2014 साली महानगरपालिकेस हस्तांतरीत झालेली आहे. सदर इमारतीमध्ये बि.एस.यु.पी. पात्र लाभार्थी, डिपी. रस्त्यामध्ये बाधित लाभार्थी वास्तव्यास आहेत. त्यामुळे सदर इमारतीमधील मलउदंचन केंद्राची देखभाल दुरुस्ती करणे आवश्यक आहे.

सदर मलउदंचन केंद्रामध्ये सद्यस्थितीत 3 एच.पी. क्षमतेचा पंप कार्यान्वित आहे. सदरचा पंप अपुरा पडत असल्याने सदर ठिकाणी 5 एच.पी. चे 2 पंप (म्हणजेच यापैकी 1 पंप स्टॅंड बाय असणार आहे.) बसविण्याचे व सदर मलउदंचन केंद्रामध्ये AUTOMATION SYSTEM राबविणे प्रस्तावित आहे. त्यामुळे मनुष्यबळार होणारा खर्च कमी होऊन वार्षिक निविदेमध्ये आर्थिक बचत होईल. तरी सदर काम करणे गरजेचे आहे.

त्यानुसार खालीलप्रमाणे अंदाजपत्रक तयार करण्यात आलेले आहे.

अ.क्र.	कामाचे नाव	अंदाजित खर्च (जी.एस.टी. सहित)
1.	लोढा ॲक्वा या इमारती मधील मलउदंचन केंद्राची देखभाल व सर्व समावेशक दुरुस्तीसह नविन 5 एच.पी. क्षमतेचे नॉन-क्लॉग सबमर्शिबल सिवेज पंप संच स्काडासह डिझाईन, पुरवठा, उभारणी, चाचणी व कार्यान्वित करणे	रु. 49,64,905/-

सदर कामास प्रशासकिय ठरावाव्दारे आर्थिक व प्रशासकिय मान्यता देण्याचा प्रस्ताव प्रशासनाने सादर केला आहे.

प्रशासकीय ठराव क्र. ४९३ दिनांक 05/02/2025

महाराष्ट्र महानगरपालिका अधिनियम तरतुदी वे विशेषत: कलम 452(अ) च्या (1अ) व (1ब) नुसार, महाराष्ट्र शासन, नगरविकास विभागाकडील शासन आदेश क्रमांक :- एमसीओ 2020/प्र.क्र.71 (भाग-2)/नवि-14 दिनांक 26 ऑगस्ट 2022 अन्वये प्राप्त अधिकारनुसार मी, संजय श्रीपतराव काटकर, प्रशासक, लोढा ॲक्वा या इमारती मधील मलउदंचन केंद्राची देखभाल व सर्व समावेशक दुरुस्तीसह नविन 5 एच.पी. क्षमतेचे

नॉन-क्लॉग सबमर्शिबल सिवेज पंप संच स्काडासह डिझाईन, पुरवठा, उभारणी, चाचणी व कार्यान्वित करणे या कामास आर्थिक व प्रशासकिय मान्यता देण्यात येत आहे.

अ.क्र.	कामाचे नाव	अंदाजित खर्च (जी.एस.टी. सहित)
1.	लोढा अॅक्वा या इमारती मधील मलउदंचन केंद्राची देखभाल व सर्व समावेशक दुरुस्तीसह नविन 5 एच.पी. क्षमतेचे नॉन-क्लॉग सबमर्शिबल सिवेज पंप संच स्काडासह डिझाईन, पुरवठा, उभारणी, चाचणी व कार्यान्वित करणे	रु. 49,64,905/-

वरील पारित ठरावानुसार पाणी पुरवठा व मलनि:सारण विभागाने नियमानुसार पुढील कार्यवाही करावी.

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

(संजय श्रीपतराव काटकर) भाप्रसे
आयुक्त तथा प्रशासक
मिरा भाईंदर महानगरपालिका

परवाना विभाग

मिरा भाईंदर महानगरपालिका

// प्रशासकीय गोषवारा // दि. ०५/०२/२०२५

प्रकरण क्र. ४९४ :- मिरा भाईंदर महानगरपालिका कार्यक्षेत्रातील कारखाने, दुकाने, उद्योगधंदे इ. व्यापारी आस्थापनांचे सर्वेक्षण करणे, नोटीसा वाटप करणे, इ. नविन परवाना/नुतनीकरण परवाना मिळणेकामी प्रस्ताव सादर करुन सक्षम अधिकारी यांच्या स्वाक्षरीने परवाना वितरीत करणेकामी नविन निविदा प्रक्रिया करणेकामी आर्थिक व प्रशासकीय मंजुरी मिळणेबाबत..

मिरा भाईंदर महानगरपालिका कार्यक्षेत्रातील कारखाने, दुकाने, उद्योगधंदे इ. व्यापारी आस्थापनांचे सर्वेक्षण करणे, नोटीसा वाटप करणे, नविन/नुतनीकरण करुन परवाना मिळणे कामी सक्षम अधिकारी यांचेकडे प्रस्ताव सादर करुन परवाना वितरीत करणेकामी ठेकेदार पध्दतीने काम करुन घेणेकरीता मा.स्थायी समिती दि.०७/१२/२०२१ रोजी ठराव क्र. ९३ अन्वये ठराव पारीत करणेत आलेला होता. मे.सेवादल नागरी सेवा सहकारी संस्था यांना दि.०१/०७/२०१७ रोजीच्या कार्यादेशान्वये दि.२५/०१/२०१७ ते दि.३०/०६/२०२० व दि.०२/०२/२०२२ रोजीच्या कार्यादेशान्वये दि.२५/०१/२०२२ ते दि.२४/०१/२०२५ या कालावधीकरीता परवाना कामकाज करीता कार्यादेश देण्यात आला होता.

ठेका देण्यापुर्वी परवाना विभागाच्या वतीने देण्यात आलेले परवाने व वसुलीचा तपशिल खालीलप्रमाणे :-

वर्ष	२०१४-१५	२०१५-१६	२०१६-१७
परवाने	६७९	२११	७४०
वसुली	५४,५५,०००/-	१६,४६,०००/-	६३,०१,०००/-

मे.सेवादल नागरी सेवा सहकारी संस्थेने सन २०१७ ते माहे - नोव्हेंबर २०२४ पर्यंत ४२,३८९ इतके परवाने वितरीत केले असुन त्यापोटी एकुण रुपये १३,७७,४६,७०८/-इतकी रक्कम महानगरपालिका फंडात जमा केली असुन त्याचा वर्षनिहाय तपशिल खालीलप्रमाणे :-

वर्ष	२०१७-१८	२०१८-१९	२०१९-२०	२०२०-२१	२०२१-२२	२०२२-२३	२०२३-२४	२०२४ नोव्हें. पर्यंत
परवाने	१७२४	५८१९	५४०१	४१०९	७५६५	८१२८	६७१५	२८३८
वसुली	६९,७२,८५१	१,८४,५९,२१०	१,४६,५९,४२८	१,३१,२७,०६४	२,५०,१९,६४८	२,५५,७७,५८०	२,२८,३१,६४०	१,१२,९१,२८७

मिरा भाईंदर महानगरपालिका परवाना विभागात पुरेसा कर्मचारी वर्ग उपलब्ध नसल्याने सदरचे कामकाज करणे अडचणीचे होत आहे. तरी सदरची वस्तुस्थिती विचारात घेता परवाना विभागाकडील कारखाने व उद्योगधंदे यांचे सर्वेक्षण करुन व त्या अनुषंगिक कामाची संगणक प्रणाली व संगणकीकरणाचे काम ठेकेदारी पध्दतीने करुन घेणेकरीता ई-निविदा काढून काम करुन घेणे योग्य होईल.

परवाना विभागाकरीता निविदेच्या खर्चासाठी **"परवाना विभागाचा खर्च"** या लेखाशिर्षा अंतर्गत ३ वर्षांमध्ये अंदाजे ६० लाख रुपये इतका खर्च अपेक्षित आहे.

तरी मिरा भाईंदर महानगरपालिका कार्यक्षेत्रातील कारखाने, दुकाने, उद्योगधंदे इ. व्यापारी आस्थापनांचे सर्वेक्षण करणे, नोटीसा वाटप करणे, इ. नविन परवाना/नुतनीकरण परवाना मिळणेकामी प्रस्ताव सादर करुन सक्षम अधिकारी यांच्या स्वाक्षरीने परवाना वितरीत करणेकामी सोबत जोडलेल्या अटीशर्तीसह नविन निविदा प्रक्रिया करणेकामी आर्थिक व प्रशासकीय मंजुरी मिळणेस शिफारस आहे.

(कल्पिता पिंपळे)
उप-आयुक्त (परवाना)
मिरा भाईंदर महानगरपालिका

मिरा भाईंदर महानगरपालिका

// कार्यालयीन प्रस्ताव //

दि. 05/02/2025

प्रकरण क्र. ४९६ :- मिरा भाईंदर महानगरपालिका कार्यक्षेत्रातील कारखाने, दुकाने, उद्योगधंदे इ. व्यापारी आस्थापनांचे सर्वेक्षण करणे, नोटीसा वाटप करणे, इ. नविन परवाना/नुतनीकरण परवाना मिळणेकामी प्रस्ताव सादर करुन सक्षम अधिकारी यांच्या स्वाक्षरीने परवाना वितरीत करणेकामी नविन निविदा प्रक्रिया करणेकामी आर्थिक व प्रशासकीय मंजुरी मिळणेबाबत..

मिरा भाईंदर महानगरपालिका कार्यक्षेत्रातील कारखाने, दुकाने, उद्योगधंदे इ. व्यापारी आस्थापनांचे सर्वेक्षण करणे, नोटीसा वाटप करणे, नविन/नुतनीकरण करुन परवाना मिळणे कामी सक्षम अधिकारी यांचेकडे प्रस्ताव सादर करुन परवाना वितरीत करणेकामी ठेकेदार पध्दतीने काम करुन घेणेकरीता मा.स्थायी समिती दि.०७/१२/२०२१ रोजी ठराव क्र. ९३ अन्वये ठराव पारीत करणेत आलेला होता. मे.सेवादल नागरी सेवा सहकारी संस्था यांना दि.०१/०७/२०१७ रोजीच्या कार्यादेशान्वये दि.२५/०१/२०१७ ते दि.३०/०६/२०२० व दि.०२/०२/२०२२ रोजीच्या कार्यादेशान्वये दि.२५/०१/२०२२ ते दि.२४/०१/२०२५ या कालावधीकरीता परवाना कामकाज करीता कार्यादेश देण्यात आला होता.

ठेका देण्यापुर्वी परवाना विभागाच्या वतीने देण्यात आलेले परवाने व वसुलीचा तपशिल खालीलप्रमाणे :-

वर्ष	२०१४-१५	२०१५-१६	२०१६-१७
परवाने	६७९	३११	७४०
वसुली	५४,५५,०००/-	३६,४६,०००/-	६३,०१,०००/-

मे.सेवादल नागरी सेवा सहकारी संस्थेने सन २०१७ ते माहे - नोव्हेंबर २०२४ पर्यंत ४२,३८९ इतके परवाने वितरीत केले असुन त्यापोटी एकुण रुपये १३,७७,४६,७०८/- इतकी रक्कम महानगरपालिका फेडात जमा केली असुन त्याचा वर्षनिहाय तपशिल खालीलप्रमाणे :-

वर्ष	२०१७-१८	२०१८-१९	२०१९-२०	२०२०-२१	२०२१-२२	२०२२-२३	२०२३-२४	२०२४ नोव्हें. पर्यंत
परवाने	१७२४	५८२९	५४०१	४१०९	७५६५	८१२८	६७९५	२८३८
वसुली	६९,७२,८५१	१,८४,५१,२२०	१,४६,५१,४२८	१,३१,२७,०६४	२,५०,१९,६४८	२,५५,७७,५८०	२,१८,३१,६४०	१,१२,११,२८७

मिरा भाईंदर महानगरपालिका परवाना विभागात पुरेसा कर्मचारी वर्ग उपलब्ध नसल्याने सदरचे कामकाज करणे अडचणीचे होत आहे. तरी सदरची वस्तुस्थिती विचारात घेता परवाना विभागाकडील कारखाने व उद्योगधंदे यांचे सर्वेक्षण करुन व त्या अनुषंगिक कामाची संगणक प्रणाली व संगणकीकरणाचे काम ठेकेदारी पध्दतीने करुन घेणेकरीता ई-निविदा काढून काम करुन घेणे योग्य होईल.

परवाना विभागाकरीता निविदेच्या खर्चापोटी **"परवाना विभागाचा खर्च"** या लेखाशिर्षा अंतर्गत ३ वर्षांमध्ये अंदाजे ६० लाख रुपये इतका खर्च अपेक्षित आहे.

तरी मिरा भाईंदर महानगरपालिका कार्यक्षेत्रातील कारखाने, दुकाने, उद्योगधंदे इ. व्यापारी आस्थापनांचे सर्वेक्षण करणे, नोटीसा वाटप करणे, इ नविन परवाना/नुतनीकरण परवाना मिळणेकामी प्रस्ताव सादर करुन सक्षम अधिकारी

यांच्या स्वाक्षरीने परवाना वितरीत करणेकामी सोबत जोडलेल्या अटीशर्तीसह नविन निविदा प्रक्रिया राबविणेकामी आर्थिक व प्रशासकीय मंजुरी मिळणेस शिफारस आहे.

प्रशासकीय ठराव क्र. ४१४ दि.०५/०२/२०२५

मिरा भाईंदर महानगरपालिका कार्यक्षेत्रातील कारखाने, दुकाने, उद्योगधंदे इ. व्यापारी आस्थापनांचे सर्वेक्षण करणे, नोटीसा वाटप करणे, इ नविन परवाना/नुतनीकरण परवाना कामी प्रस्ताव सादर करुन सक्षम प्राधिकृत अधिकारी यांच्या स्वाक्षरीने परवाना वितरीत करणेकामी निविदा प्रक्रिया राबविणे कामी विभागाने प्रस्ताव सादर केला आहे. महानगरपालिकेचे आर्थिक हित पहाता नविन निविदा पध्दतीने ठेकेदार नेमुन परवाना वितरीत केल्यास महानगरपालिकेच्या उत्पन्नात वाढ होणार आहे.

तरी महाराष्ट्र महानगरपालिका अधिनियमातील तरतुदी व विशेषत: कलम ४५२ अ च्या १ (अ) व १ (ब) नुसार, महाराष्ट्र शासन, नगरविकास विभागाकडील शासन आदेश क्र. एमसीओ-२०२०/प्र.क्र.७१ (भाग-२)/नवि-१४ दि.२६/०८/२०२२ अन्वये प्राप्त अधिकारानुसार मिरा-भाईंदर महानगरपालिका परवाना विभागाने प्रस्तावित केल्यानुसार मिरा-भाईंदर महानगरपालिका क्षेत्रात कारखाने, दुकाने, उद्योगधंदे इ. व्यापारी आस्थापनांचे सर्वेक्षण करणे, नोटीसा वाटप करणे, इ नविन परवाना/नुतनीकरण परवाना मिळणेकामी प्रस्ताव सादर करुन सक्षम अधिकारी यांच्या स्वाक्षरीने परवाना वितरीत करणेकामी सोबत जोडलेल्या अटीशर्तीसह नविन निविदा प्रक्रिया करणेस आर्थिक व प्रशासकिय मंजुरी देण्यात येत आहे.

पुढील आवश्यक कार्यवाही नियमानुसार संबंधित विभागाने विहित पध्दतीने करावी.

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

(संजय श्रीपतराव काटकर भा.प्र.से.)
आयुक्त तथा प्रशासक
मिरा-भाईंदर महानगरपालिका

मिरा भाईंदर महानगरपालिका
पशुसंवर्धन विभाग
दि.०५/०२/२०२५

//गोषवारा//

प्रकरण क्र.४९५ मिरा भाईंदर महानगरपालिका क्षेत्रातील भटक्या श्वानांचे व मांजराचे निर्बिजीकरण/ लसीकरण आणि पिसाळलेल्या श्वानांचा बंदोबस्त करणे कामाच्या निविदेबाबत.

मिरा भाईंदर महानगरपालिका कार्यक्षेत्रातील मोकाट कुत्र्यांचे निर्बिजीकरण करणे कामी उत्तन मोठा गाव भाईंदर (प.) येथे दि. 28/12/2004 पासून श्वान निर्बिजीकरण केंद्र सुरू आहे. सन 2024-25 या आर्थिक वर्षातील अर्थसंकल्पीय अंदाजपत्रकात मोकाट कुत्र्यांचा बंदोबस्त करणे या लेखाशिर्षाखाली करण्यात येणाऱ्या 200 लक्ष तरतुदीतुन करण्यात येईल .या कामाकरिता अंदाजे 75 लाख खर्च अपेक्षित आहे. मागील आर्थिक वर्षात सर्वात कमी दराची निविदा स्विकारण्यात आलेली होती. सदर निविदेची मुदत 17/10/2024 रोजी संपत असून भारतीय जीव जंन्तु कल्याण बोर्ड यांचे व महाराष्ट्र शासन यांच्याकडील पत्रानुसार मिरा भाईंदर महानगरपालिका कार्यक्षेत्रातील मांजरांचे निर्बिजीकरण व लसीकरण बाबत आवश्यक त्या उपाययोजना करण्यासंदर्भात सन 2024-25 ते सन 2025-26 मध्ये प्रती वर्ष अंदाजे 4000 ते 5000 श्वानांचे व 1000 मांजरांचे निर्बिजीकरण व लसीकरण करण्याचे उद्दिष्ट असल्याने "मोकाट कुत्र्यांचा बंदोबस्त" या लेखाशिर्षाखाली तसेच सदर सेवा ही अत्यावश्यक सेवा असल्याने निविदा मागविणे आवश्यक असल्याने त्यामुळे महानगरपालिका क्षेत्रातील मोकाट श्वान/ मांजरे यांचे निर्बिजीकरण/लसीकरण करणे कामी दोन वर्षाकरिता मा. निविदा समितीने दिलेल्या निर्देशाप्रमाणे प्रस्तावामधील नमुद अटीशर्तीसह 2 वर्षाच्या कालावधीसाठी ऑनलाईन निविदा मागविणस प्रतिवर्षी येणाऱ्या रु.75 लाख खर्चास मा. आयुक्त तथा प्रशासक यांनी दि.26/08/2024 रोजी ठराव क्र.138 अन्वये मंजुरी दिलेली आहे.

"मोकाट कुत्र्यांचा बंदोबस्त करणे" या लेखाशीर्षाखाली सन 2024-25 मा. आयुक्त सो यांची दि. 20/08/2024 रोजी आर्थिक व प्रशासकिय मंजुरीनुसार जा.क्र.मनपा/प.स./91/2024-25 दि.19/09/2024 रोजी महानगरपालिकेच्या www.mahatenders.gov.in या संकेतस्थळावर E-Tendering व्दारे ऑनलाईन निविदा मागविण्यात आलेली होती. दि. 10/03/2024 रोजी NIC अहवालानुसार 03 निविदा धारक प्राप्त झाले त्यात एकच निविदाधारक पात्र असल्याने पुन:श्च जाहिर फेर निविदा सुचना जा.क्र मनपा/प.स./105/2024-25 दि.11/10/2024 रोजी E-Tendering व्दारे ऑनलाईन निविदा मागविण्यात आलेली होती तसेच "दै मुंबई चौफेर" दि.19/10/2024 रोजी वृत्तपत्रात प्रसिध्दी करण्यात आली होती त्यात तीन निविदा प्राप्त झाल्या होत्या , त्यामधील मे. श्री इंटरप्राइसेस आणि मै. श्री साईश्रध्दा महिला सेवा संस्था यांची कागदपत्रे अपुरे असल्याने अपात्र ठरत असुन मे. प्रतापराव राणे एज्युकेशन ॲंड चॅरिटेबल ट्रस्ट ही संस्था पात्र ठरत आहे.

शासन निर्णय क्र. भाखस -2014 भाग-3 उदयोग -4 दि.01/12/2016 अन्वये नियम 4.4.3.1 मधील "क" मध्ये :- (कामाची पुर्तता वेळेवर करण्यास महत्व देण्यात आले तर,खरेदी अधिकारी (दोन वेळा

मुदतवाढ दिल्यानंतर देखील) 3 निविदा पेक्षा कमी प्रतिसाद मिळाला तरी त्यासह पुढे जाण्याचा निर्णय घेऊ शकेल व त्यासाठी सुसाध्य कारणे नमूद करेल असे नमूद आहे. सदर सेवा ही अत्यावश्यक सेवा असल्याने व दोन वेळा निविदा प्रसिध्द करूनही एकच निविदाकार तांत्रिकदृष्टया पात्र ठरत असल्याने अत्यावश्यक बाब म्हणून मे. प्रतापराव राणे एज्युकेशन ट्रस्ट पात्र निविदाधारकाची दि. 04/12/2024 मा. निविदा निवड समितीच्या मान्यतेने दराचा लिफाफा (Fanancil Bid) उघडणेस मंजुरी देण्यात आली. दि. 13/12/2024 दराचा लिफाफा उघडण्यात आला असता, निविदाधारक मे. प्रतापराव राणे एज्युकेशन ॲण्ड चॅरीटेबल ट्रस्ट यांनी सर्व अटीशर्तींची पुर्तता केली असुन, खालील प्रमाणे दर प्राप्त झाले आहेत.

अ.क्र.	तपशील	मे. प्रतापराव राणे एज्युकेशन ॲण्ड चॅरीटेबल ट्रस्ट	वाटाघाटी अंती मंजूर दर
१.	नसबंदी न झालेल्या भटक्या श्वानांची (नर/मादी) नसबंदी शस्त्रक्रिया व लसीकरण करणे. Sterilization and Anti rabies Vaccination of un-sterilized stray Dogs.	रु.१८५०/- (प्रति श्वान)	रु.१७२५/- (प्रति श्वान)
२.	नसबंदी न झालेल्या भटक्या मांजरांची नसबंदी शस्त्रक्रिया व लसीकरण करणे. Sterilization and Anti rabies Vaccination of un-sterilized stray Cats.	रु.१९५०/- (प्रति मांजर)	रु.१७२५/- (प्रति मांजर)

वरीलकामी निविदासमितीने वाटाघाटी अंती मंजुर केलेल्या दरास मा. आयुक्त महोदय यांनी मे. प्रतापराव राणे एज्युकेशन ॲण्ड चॅरीटेबल ट्रस्ट यांचे दर स्विकारण्यास मान्यता दिलेली आहे. त्यानुसार नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांनी प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत.

त्याअनुषंगे **मे. प्रतापराव राणे एज्युकेशन ॲण्ड चॅरीटेबल ट्रस्ट** यांना 2 वर्षाच्या कालावधीकरिता करारनाम्याच्या अधिन राहून कार्यादेश देणेस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार मान्यता देण्यास शिफारस करण्यात येत आहे.

तरी **मे. प्रतापराव राणे एज्युकेशन ॲण्ड चॅरीटेबल ट्रस्ट** यांचे दर स्विकारणेस व कार्यादेश देणेस मंजुरीस शिफारस असे.

(मा. आयुक्त सो. यांच्या मान्यतेने)

(कल्पिता पिंपळे)
उप-आयुक्त (पशुसंवर्धन)
मिरा भाईंदर महानगरपालिका

सभा / स्थायी समिती सभा
दि. 03/02/25 रोजी 6:00 वा.
ठराव क्र. 823 वर्ष 2024/25
03/2/25
सचिव विभाग
मिरा भाईंदर महानगरपालिका

मिरा भाईंदर महानगरपालिका

मा. प्रशासकिय सभा, दि. 04 / 02 /2025

//ठराव//

प्रकरण क्र. ४१५ मिरा भाईंदर महानगरपालिका क्षेत्रातील भटक्या श्वानांचे व मांजराचे निर्बिजीकरण/ लसीकरण आणि पिसाळलेल्या श्वानांचा बंदोबस्त करणेकामाच्या मंजुर निविदेबाबत

ठराव क्र.:- ४१५

मिरा भाईंदर महानगरपालिका कार्यक्षेत्रातील मोकाट कुत्र्यांचे निर्बिजीकरण करणे कामी उत्तन मोठा गाव भाईंदर (प.) येथे दि. 28/12/2004 पासून श्वांन निर्बिजीकरण केंद्र सुरू आहे. सन 2024-25 या आर्थिक वर्षातील अर्थसंकल्पीय अंदाजपत्रकात मोकाट कुत्र्यांचा बंदोबस्त करणे या लेखाशिर्षाखाली करण्यात येणाऱ्या 200 लक्ष तरतुदीतुन करण्यात येईल .या कामाकरिता अंदाजे 75 लाख खर्च अपेक्षित आहे. मागील आर्थिक वर्षात सर्वात कमी दराची निविदा स्विकारण्यात आलेली होती. सदर निविदेची मुदत 17/10/2024 रोजी संपत असून भारतीय जीव जंन्तु कल्याण बोर्ड यांचे व महाराष्ट्र शासन यांच्याकडील पत्रानुसार मिरा भाईंदर महानगरपालिका कार्यक्षेत्रातील मांजरांचे निर्बिजीकरण व लसीकरण बाबत आवश्यक त्या उपाययोजना करण्यासंदर्भात सन 2024-25 ते सन 2025-26 मध्ये प्रती वर्ष अंदाजे 4000 ते 5000 श्वानांचे व 1000 मांजरांचे निर्बिजीकरण व लसीकरण करण्याचे उद्दिष्ट असल्याने "मोकाट कुत्र्यांचा बंदोबस्त" या लेखाशिर्षाखाली तसेच सदर सेवा ही अत्यावश्यक सेवा असल्याने निविदा मागविणे आवश्यक असल्याने त्यामुळे महानगरपालिका क्षेत्रातील मोकाट श्वांन/ मांजरे यांचे निर्बिजीकरण/लसीकरण करणे कामी दोन वर्षाकरिता मा. निविदा समितीने दिलेल्या निर्देशाप्रमाणे प्रस्तावामधील नमुद अटीशर्तीसह 2 वर्षाच्या कालावधीसाठी ऑनलाईन निविदा मागविणस प्रतिवर्षी येणाऱ्या रु.75 लाख खर्चास मा. आयुक्त तथा प्रशासक यांनी दि.26/08/2024 रोजी ठराव क्र.138 अन्वये मंजुरी दिलेली आहे.

"मोकाट कुत्र्यांचा बंदोबस्त करणे" या लेखाशीर्षाखाली सन 2024-25 मा. आयुक्त सो यांची दि. 20/08/2024 रोजी आर्थिक व प्रशासकिय मंजुरीनुसार जा.क्र.मनपा/प.स./91/2024-25 दि.19/09/2024 रोजी महानगरपालिकेच्या www.mahatenders.gov.in या संकेतस्थळावर E-Tendering व्दारे ऑनलाईन निविदा मागविण्यात आलेली होती. दि. 10/03/2024 रोजी NIC अहवालानुसार 03 निविदा धारक प्राप्त झाले त्यात एकच निविदाधारक पात्र असल्याने पुन:श्च जाहिर फेर निविदा सुचना जा.क्र मनपा/प.स./105/2024-25 दि.11/10/2024 रोजी E-Tendering व्दारे ऑनलाईन निविदा मागविण्यात आलेली होती तसेच "दै मुंबई चौफेर" दि.19/10/2024 रोजी वृत्तपत्रात प्रसिध्दी करण्यात आली होती त्यात तीन निविदा प्राप्त झाल्या होत्या, त्यामधील मे. श्री इंटरप्राइसेस आणि मे. श्री साईश्रध्दा महिला सेवा संस्था यांची कागदपत्रे अपुरे असल्याने अपात्र ठरत असुन मे. प्रतापराव राणे एज्युकेशन अँड चॅरिटेबल ट्रस्ट ही संस्था पात्र ठरत आहे.

शासन निर्णय क्र. भाखस -2014 भाग-3 उदयोग -4 दि.01/12/2016 अन्वये नियम 4.4.3.1 मधील "क" मध्ये :- (कामाची पुर्तता वेळेवर करण्यास महत्व देण्यात आले तर,खरेदी अधिकारी (दोन वेळा मुदतवाढ

दिल्यानंतर देखील) 3 निविदा पेक्षा कमी प्रतिसाद मिळाला तरी त्यासह पुढे जाण्याचा निर्णय घेऊ शकेल व त्यासाठी सुसाध्य कारणे नमूद करेल असे नमूद आहे. सदर सेवा ही अत्यावश्यक सेवा असल्याने व दोन वेळा निविदा प्रसिध्द करूनही एकच निविदाकार तांत्रिकदृष्टया पात्र ठरत असल्याने अत्यावश्यक बाब म्हणून मे. प्रतापराव राणे एज्युकेशन ट्रस्ट पात्र निविदाधारकाची दि. 04/12/2024 मा. निविदा निवड समितीच्या मान्यतेने दराचा लिफाफा (Fanancil Bid) उघडणेस मंजुरी देण्यात आली. दि. 13/12/2024 दराचा लिफाफा उघडण्यात आला असता, निविदाधारक मे. प्रतापराव राणे एज्युकेशन ॲण्ड चॅरीटेबल ट्रस्ट यांनी सर्व अटीशर्तींची पुर्तता केली असुन, खालील प्रमाणे दर प्राप्त झाले आहेत.

अ.क्र.	तपशिल	मे. प्रतापराव राणे एज्युकेशन ॲण्ड चॅरीटेबल ट्रस्ट	वाटाघाटी अंती मंजूर दर
१.	नसबंदी न झालेल्या भटक्या श्वानांची (नर/मादी) नसबंदी शस्त्रक्रिया व लसीकरण करणे. Sterilization and Anti rabies Vaccination of un-sterilized stray Dogs.	रु.१८५०/- (प्रति श्वान)	रु.१७२५/- (प्रति श्वान)
२.	नसबंदी न झालेल्या भटक्या मांजरांची नसबंदी शस्त्रक्रिया व लसीकरण करणे. Sterilization and Anti rabies Vaccination of un-sterilized stray Cats.	रु.१९५०/- (प्रति मांजर)	रु.१७२५/- (प्रति मांजर)

वरीलकामी निविदासमितीने वाटाघाटी अंती मंजुर केलेल्या दरास मा. आयुक्त महोदय यांनी मे. प्रतापराव राणे एज्युकेशन ॲण्ड चॅरीटेबल ट्रस्ट यांचे दर स्विकारण्यास मान्यता दिलेली आहे. त्यानुसार नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत.

त्याअनुषंगे **मे. प्रतापराव राणे एज्युकेशन ॲण्ड चॅरीटेबल** ट्रस्ट यांना 2 वर्षाच्या कालावधीकरिता करारनाम्याच्या अधिन राहून कार्यादेश देणेस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार मान्यता देण्यात येत आहे.

तसेच पारीत ठरावानुसार पशुसंवर्धन विभागाने पुढील कार्यवाही करावी.

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

श्री. संजय श्रीपतराव काटकर (भा.प्र.से.)
आयुक्त तथा प्रशासक
मिरा भाईंदर महानगरपालिका

मिरा भाईंदर महानगरपालिका

प्रशासकीय ठरावासाठी गोषवारा

// बांधकाम/ विदयुत विभाग //

दि. 04/02/2024

प्रकरण क्रमांक.(४९६) केंद्र पुरस्कृत 2.0 योजनेतील राज्य जलकृती आराखडा-2 अंतर्गत मिरा-भाईंदर महानगरपालिका हद्दीतील पेणकरपाडा येथील सुकाळ तलाव दुरुस्ती व नुतनीकरण करणे.

// प्रस्तावना //

केंद्र पुरस्कृत 2.0 योजनेतील राज्य जलकृती आराखडा-2 अंतर्गत मिरा-भाईंदर महानगरपालिका हद्दीतील पेणकरपाडा येथील सुकाळ तलाव दुरुस्ती व नुतनीकरण करणेसाठी (अंदाजित खर्च रु.8,21,82,185/-) राज्य उच्चाधिकार सुकाणु समितीच्या दि.05 जुलै 2023 रोजीच्या बैठकीमध्ये मंजुरी प्राप्त असल्याबाबत मा.कक्ष अधिकारी, नगरविकास विभाग यांनी दि.08/12/2023 रोजीच्या पत्रान्वये कळविले आहे. सदर कामातंर्गत केंद्र शासन, राज्य शासन व नागरी स्थानिक स्वराज्य संस्थेचा हिस्सा राहणार आहे. सदरचा तपशिल खालीलप्रमाणे आहे.

1)	केंद्र शासन हिस्सा	33.33%	रु.2,73,91,322/-
2)	राज्य शासन हिस्सा	36.67%	रु.3,01,36,724/-
3)	नागरी स्थानिक स्वराज्य संस्था हिस्सा	30.00%	रु.2,46,54,655/-

वरीलप्रमाणे प्रकल्पास खर्च येणार आहे. महानगरपालिकेचा हिस्सा रु.2,46,54,655/- इतका आहे. सदर कामाकरीता महाराष्ट्र जीवन प्राधिकरणामार्फत तांत्रिक मान्यता घेण्याची प्रक्रीया सुरु आहे. तांत्रिक मंजूरीकरीता रु.6,82,174/- इतकी तांत्रिक फी भरणा करण्यात आली आहे.

केंद्र पुरस्कृत 2.0 योजनेतील राज्य जलकृती आराखडा-2 अंतर्गत मिरा-भाईंदर महानगरपालिका हद्दीतील पेणकरपाडा येथील सुकाळ तलाव दुरुस्ती व नुतनीकरण करणे (अंदाजित खर्च रु.8,21,82,185/-) या कामासाठी अर्थसंकल्पात "अमृत अभियान 2.0 - तलाव पुर्नजिवित केंद्र/ राज्य शासनाकडील अनुदान" या लेखाशिर्षाखाली तरतुद उपलब्ध होणार असून रु.2,53,36,829/- इतका महानगरपालिकेच्या सन 2024-25 च्या "सार्व. तलाव, विहीरी सुशोभिकरण/ संवर्धन करणे" या लेखाशिर्षकातून करण्यात येणार आहे. तरी सदर कामाच्या खर्चास प्रशासकीय ठरावाव्दारे प्रशासकीय व आर्थिक मान्यता देणेस शिफारस आहे.

(दिपक खांबित)
शहर अभियंता
मिरा भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव ४९६ दिनांक :- 05/10/2024

प्रकरण क्रमांक :- (४९६) केंद्र पुरस्कृत 2.0 योजनेतील राज्य जलकृती आराखडा-2 अंतर्गत मिरा-भाईंदर महानगरपालिका हद्दीतील पेणकरपाडा येथील सुकाळ तलाव दुरुस्ती व नुतनीकरण करणे.

ठराव क्रमांक :- (४९६)

केंद्र पुरस्कृत 2.0 योजनेतील राज्य जलकृती आराखडा-2 अंतर्गत मिरा-भाईंदर महानगरपालिका हद्दीतील पेणकरपाडा येथील सुकाळ तलाव दुरुस्ती व नुतनीकरण करणेसाठी (अंदाजित खर्च रु.8,21,82,185/-) राज्य उच्चाधिकार सुकाणु समितीच्या दि.05 जुलै 2023 रोजीच्या बैठकीमध्ये मंजुरी प्राप्त असल्याबाबत मा.कक्ष अधिकारी, नगरविकास विभाग यांनी दि.08/12/2023 रोजीच्या पत्रान्वये कळविले आहे. सदर कामातंर्गत केंद्र शासन, राज्य शासन व नागरी स्थानिक स्वराज्य संस्थेचा हिस्सा राहणार आहे. सदरचा तपशिल खालीलप्रमाणे आहे.

1)	केंद्र शासन हिस्सा	33.33%	रु.2,73,91,322/-
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वरीलप्रमाणे प्रकल्पास खर्च येणार आहे. महानगरपालिकेचा हिस्सा रु.2,46,54,655/- इतका आहे. सदर कामाकरीता महाराष्ट्र जीवन प्राधिकरणामार्फत तांत्रिक मान्यता घेण्याची प्रक्रीया सुरु आहे. तांत्रिक मंजूरीकरीता रु.6,82,174/- इतकी तांत्रिक फी भरणा करण्यात आली आहे.

केंद्र पुरस्कृत 2.0 योजनेतील राज्य जलकृती आराखडा-2 अंतर्गत मिरा-भाईंदर महानगरपालिका हद्दीतील पेणकरपाडा येथील सुकाळ तलाव दुरुस्ती व नुतनीकरण करणे (अंदाजित खर्च रु.8,21,82,185/-) या कामासाठी अर्थसंकल्पात "अमृत अभियान 2.0 - तलाव पुर्नजिवित केंद्र/ राज्य शासनाकडील अनुदान" या लेखाशिर्षाखाली तरतुद उपलब्ध होणार असून रु.2,53,36,829/- इतका महानगरपालिकेच्या सन 2024-25 च्या "सार्व. तलाव, विहीरी सुशोभिकरण/ संवर्धन करणे" या लेखाशिर्षकातून करण्यात येणार आहे.

महाराष्ट्र महानगरपालिका अधिनियम तरतुदी व विशेषत: कलम 452 (अ) च्या (1अ) व (1ब) नुसार, महाराष्ट्र शासन, नगरविकास विभागाकडील शासन आदेश क्रमांक :- एमसीओ 2020/प्र.क्र.71 (भाग-2)/ नवि-14 दिनांक 26 ऑगस्ट 2022 अन्वये प्राप्त अधिकारानुसार मी, श्री. संजय काटकर, प्रशासक, मिरा भाईंदर महानगरपालिका मा. महानगरपालिका महासभेच्या अधिकाराचा वापर करुन प्रशासनाने सादर केल्यानूसार केंद्र पुरस्कृत 2.0 योजनेतील राज्य जलकृती आराखडा-2 अंतर्गत मिरा-भाईंदर महानगरपालिका हद्दीतील पेणकरपाडा

येथील सुकाळ तलाव दुरुस्ती व नुतनीकरण करणे कामास प्रशासकीय ठरावाव्दारे मान्यता देण्यात येत आहे.

सदर कामाबाबतची पुढील कार्यवाही नियमानुसार संबधित विभागाने विहित पध्दतीने करावी.

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

(संजय काटकर, भाप्रसे)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

मिरा भाईंदर महानगरपालिका

प्रशासकीय ठरावासाठी गोषवारा

// बांधकाम/ विद्युत विभाग //

दि.05/02/2024

प्रकरण क्रमांक. (490) मिरा-भाईंदर महानगरपालिका क्षेत्रात नागरी स्थानिक स्वराज्य संस्थेच्या परिक्षेत्रात अधिसुचित विशिष्ठ नागरी सेवा व सुविधा या अंतर्गत विविध विकास कामांचे प्रस्ताव सादर करणेस मान्यता देणेबाबत.

// प्रस्तावना //

मिरा-भाईंदर महानगरपालिका क्षेत्रात नागरी स्थानिक स्वराज्य संस्थेच्या परिक्षेत्रात अधिसुचित विशिष्ठ नागरी सेवा व सुविधा या अंतर्गत कामे करण्यास शासन निर्णय क्र. संकीर्ण 2024/प्र.क्र.87(138)/का.1411 दि.14/10/2024 अन्वये मान्यता प्राप्त झालेली आहे. त्यानूसार खालीलप्रमाणे अंदाजपत्रके तयार करण्यात आलेली आहेत.

अ.क्र.	कामाचे नाव.	अंदाजित खर्च
1.	प्रभाग क्र.13 परीसरातील मॉर्डन कंपनी वेलकर नगर मधील अंतर्गत गटार पायवाटा बनविणे.	रु.50,00,000/-
2.	प्रभाग क्र.13 परीसरातील बाणदेव मंदिर येथील अंतर्गत गटार पायवाटा बनविणे.	रु.50,00,000/-
3.	प्रभाग क्र.13 मधील साईनाथ सेवा नगर परीसरातील अंतर्गत गटार पायवाटा बनविणे.	रु.50,00,000/-
4.	प्रभाग क्र.13 मधील नेहरूनगर परीसरातील अंतर्गत गटार पायवाटा बनविणे.	रु.50,00,000/-
5.	प्रभाग क्र.13 मधील घोडबंदर गाव परीसरातील अंतर्गत गटार पायवाटा बनविणे.	रु.50,00,000/-
6.	प्रभाग क्र.14 मधील महाजनवाडी गावठाण येथील अंतर्गत गटार पायवाटा बनविणे.	रु.50,00,000/-
7.	प्रभाग क्र.14 मधील मांडवीपाडा येथील अंतर्गत गटार पायवाटा बनविणे.	रु.50,00,000/-
8.	प्रभाग क्र.14 मधील माशाचापाडा येथील अंतर्गत गटार पायवाटा बनविणे.	रु.50,00,000/-
	एकूण	रु.4,50,00,000/-

तरी वरील कामाचे रु.4,50,00,000/-- इतक्या रक्कमेचे अंदाजपत्रक तयार करण्यात आले असुन प्रशासकीय व आर्थिक मान्यतेसाठी मा. जिल्हाधिकारी, जिल्हाधिकारी कार्यालय, ठाणे यांचेकडे प्रस्ताव सादर करण्यासाठी प्रशासकीय ठरावाव्दारे मान्यता देण्यास शिफारस आहे.

(दिपक खांबित)
शहर अभियंता
मिरा भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

PC-05/DK/24-25/MG-21

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव ४९७ दिनांक :- 04/02/2025

प्रकरण क्रमांक :- (४९७) मिरा-भाईंदर महानगरपालिका क्षेत्रात नागरी स्थानिक स्वराज्य संस्थेच्या परिक्षेत्रात अधिसुचित विशिष्ठ नागरी सेवा व सुविधा या अंतर्गत विविध विकास कामांचे प्रस्ताव शासनास पाठविणेस मान्यता देणे.

ठराव क्रमांक :- (४९७)

मिरा-भाईंदर महानगरपालिका क्षेत्रात नागरी स्थानिक स्वराज्य संस्थेच्या परिक्षेत्रात अधिसुचित विशिष्ठ नागरी सेवा व सुविधा या अंतर्गत कामे करण्यास शासन निर्णय क्र. संकीर्ण 2024/प्र.क्र.87(138)/का.1411 दि.14/10/2024 अन्वये मान्यता प्राप्त झालेली आहे. त्यानूसार खालीलप्रमाणे अंदाजपत्रके तयार करण्यात आलेली आहेत.

अ.क्र.	कामाचे नाव.	अंदाजित खर्च
1.	प्रभाग क्र.13 परीसरातील मॉर्डन कंपनी वेलकर नगर मधील अंतर्गत गटार पायवाटा बनविणे.	रु.50,00,000/-
2.	प्रभाग क्र.13 परीसरातील बाणदेव मंदिर येथील अंतर्गत गटार पायवाटा बनविणे.	रु.50,00,000/-
3.	प्रभाग क्र.13 मधील साईनाथ सेवा नगर परीसरातील अंतर्गत गटार पायवाटा बनविणे.	रु.50,00,000/-
4.	प्रभाग क्र.13 मधील नेहरूनगर परीसरातील अंतर्गत गटार पायवाटा बनविणे.	रु.50,00,000/-
5.	प्रभाग क्र.13 मधील घोडबंदर गाव परीसरातील अंतर्गत गटार पायवाटा बनविणे.	रु.50,00,000/-
6.	प्रभाग क्र.14 मधील महाजनवाडी गावठाण येथील अंतर्गत गटार पायवाटा बनविणे.	रु.50,00,000/-
7.	प्रभाग क्र.14 मधील मांडवीपाडा येथील अंतर्गत गटार पायवाटा बनविणे.	रु.50,00,000/-
8.	प्रभाग क्र.14 मधील माशाचापाडा येथील अंतर्गत गटार पायवाटा बनविणे.	रु.50,00,000/-
	एकूण	**रु.4,50,00,000/-**

तरी वरील कामाचे रु.4,50,00,000/-- इतक्या रक्कमेचे अंदाजपक तयार करण्यात आले असुन प्रशासकीय व आर्थिक मान्यतेसाठी मा. जिल्हाधिकारी, जिल्हाधिकारी कार्यालय, ठाणे यांचेकडे प्रस्ताव सादर करावयाचा आहे.

महाराष्ट्र महानगरपालिका अधिनियम तरतुदी व विशेषत: कलम 452 (अ) च्या (1अ) व (1ब) नुसार, महाराष्ट्र शासन, नगरविकास विभागाकडील शासन आदेश क्रमांक :- एमसीओ 2020/प्र.क्र.71 (भाग-2)/ नवि-14 दिनांक 26 ऑगस्ट 2022 अन्वये प्राप्त अधिकारानुसार मी, श्री. संजय काटकर, प्रशासक, मिरा भाईंदर महानगरपालिका मा. महानगरपालिका महासभेच्या अधिकाराचा वापर करुन प्रशासनाने सादर केल्यानूसार वरील

कामांचे रु.4,50,00,000/-- इतक्या रक्कमेचे अंदाजपत्रक तयार करण्यात आले असुन प्रशासकीय व आर्थिक मान्यतेसाठी मा. जिल्हाधिकारी, जिल्हाधिकारी कार्यालय, ठाणे यांचेकडे प्रस्ताव सादर करण्यासाठी व एकत्रित निविदा मागविणेस ठरावाव्दारे मान्यता देण्यात येत आहे.

सदर कामाबाबतची पुढील कार्यवाही नियमानुसार संबंधित विभागाने विहित पध्दतीने करावी.

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

(संजय काटकर, आयुक्त)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

मिरा भाईंदर महानगरपालिका

प्रशासकीय ठरावासाठी गोषवारा

// बांधकाम/ विद्युत विभाग //

दि.04/02/2025

प्रकरण क्रमांक. (४९८) भारतरत्न डॉ. बाबासाहेब आंबेडकर सामाजिक विकास योजनेतर्गत सन 2024-25 या वर्षासाठी ठाणे जिल्हयातील कामांचे प्रस्ताव सादर करणेस मान्यता देणेबाबत.

// प्रस्तावना //

भारतरत्न डॉ. बाबासाहेब आंबेडकर सामाजिक विकास योजनेतर्गत सन 2024-25 या वर्षासाठी मिरा भाईंदर महानगरपालिका हद्दीतील विकास कामाचे प्रस्ताव सादर करणेस शासन शुध्दीपत्रक क्र. सावियो-2024/प्र.क्र.703/अजाक दि.15/10/2024 अन्वये मान्यता प्राप्त आहे. त्या अनुशंगाने खालीलप्रमाणे अंदाजपत्रके सादर करण्यात आली आहेत.

अ.क्र.	कामाचे नाव.	अंदाजित खर्च
1.	प्रभाग क्र.13 परीसरातील मॉर्डन कंपनी वेलकर नगर मधील अंतर्गत गटारे व पायवाटा बनविणे.	रु.25,00,000/-
2.	प्रभाग क्र.13 परीसरातील बाणदेव मंदिर येथील अंतर्गत गटारे व पायवाटा बनविणे.	रु.25,00,000/-
3.	प्रभाग क्र.13 मधील साईनाथ सेवा नगर परीसरातील अंतर्गत गटारे व पायवाटा बनविणे.	रु.25,00,000/-
4.	प्रभाग क्र.13 मधील नेहरूनगर परीसरातील अंतर्गत गटारे व पायवाटा बनविणे.	रु.25,00,000/-
5.	प्रभाग क्र.13 मधील घोडबंदर गाव परीसरातील अंतर्गत गटारे व पायवाटा बनविणे.	रु.25,00,000/-
6.	प्रभाग क्र.14 मधील महाजनवाडी गावठाण येथील अंतर्गत गटारे व पायवाटा बनविणे.	रु.25,00,000/-
7.	प्रभाग क्र.14 मधील मांडवीपाडा येथील अंतर्गत गटारे व पायवाटा बनविणे.	रु.25,00,000/-
8.	प्रभाग क्र.14 मधील माशाचापाडा येथील अंतर्गत गटारे व पायवाटा बनविणे.	रु.25,00,000/-
	एकूण	**रु.2,00,00,000/-**

तरी वरील कामाचे रु.2,00,00,000/-- इतक्या रक्कमेचे अंदाजपत्रक तयार करण्यात आले असुन प्रशासकीय व आर्थिक मान्यतेसाठी मा. जिल्हाधिकारी, जिल्हाधिकारी कार्यालय, ठाणे यांचेकडे प्रस्ताव सादर करण्यासाठी प्रशासकीय ठरावाव्दारे मान्यता देण्यास शिफारस आहे.

(दिपक खांबित)
शहर अभियंता
मिरा भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव ६९८ दिनांक :- 04/02/2025

प्रकरण क्रमांक :- (४९८) भारतरत्न डॉ. बाबासाहेब आंबेडकर सामाजिक विकास योजनेंतर्गत सन 2024-25 या वर्षासाठी ठाणे जिल्हयातील कामांचे प्रस्ताव शासनास पाठविणेस मान्यता देणे.

ठराव क्रमांक :- (६९८)

भारतरत्न डॉ. बाबासाहेब आंबेडकर सामाजिक विकास योजनेंतर्गत सन 2024-25 या वर्षासाठी मिरा भाईंदर महानगरपालिका हद्दीतील विकास कामाचे प्रस्ताव सादर करणेस शासन शुध्दीपत्रक क्र. सावियो-2024/प्र.क्र.703/अजाक दि.15/10/2024 अन्वये मान्यता प्राप्त आहे. त्या अनुशंगाने खालीलप्रमाणे अंदाजपत्रके सादर करण्यात आली आहेत.

अ.क्र.	कामाचे नाव.	अंदाजित खर्च
1.	प्रभाग क्र.13 परीसरातील मॉर्डन कंपनी वेलकर नगर मधील अंतर्गत गटारे व पायवाटा बनविणे.	रु.25,00,000/-
2.	प्रभाग क्र.13 परीसरातील बाणदेव मंदिर येथील अंतर्गत गटारे व पायवाटा बनविणे.	रु.25,00,000/-
3.	प्रभाग क्र.13 मधील साईनाथ सेवा नगर परीसरातील अंतर्गत गटारे व पायवाटा बनविणे.	रु.25,00,000/-
4.	प्रभाग क्र.13 मधील नेहरूनगर परीसरातील अंतर्गत गटारे व पायवाटा बनविणे.	रु.25,00,000/-
5.	प्रभाग क्र.13 मधील घोडबंदर गाव परीसरातील अंतर्गत गटारे व पायवाटा बनविणे.	रु.25,00,000/-
6.	प्रभाग क्र.14 मधील महाजनवाडी गावठाण येथील अंतर्गत गटारे व पायवाटा बनविणे.	रु.25,00,000/-
7.	प्रभाग क्र.14 मधील मांडवीपाडा येथील अंतर्गत गटारे व पायवाटा बनविणे.	रु.25,00,000/-
8.	प्रभाग क्र.14 मधील माशाचापाडा येथील अंतर्गत गटारे व पायवाटा बनविणे.	रु.25,00,000/-
	एकूण	**रु.2,00,00,000/-**

तरी वरील कामाचे रु.2,00,00,000/-- इतक्या रक्कमेचे अंदाजपत्रक तयार करण्यात आले असुन प्रशासकीय व आर्थिक मान्यतेसाठी मा. जिल्हाधिकारी, जिल्हाधिकारी कार्यालय, ठाणे यांचेकडे प्रस्ताव सादर करावयाचा आहे.

महाराष्ट्र महानगरपालिका अधिनियम तरतुदी व विशेषत: कलम 452 (अ) च्या (1अ) व (1ब) नुसार, महाराष्ट्र शासन, नगरविकास विभागाकडील शासन आदेश क्रमांक :- एमसीओ 2020/प्र.क्र.71 (भाग-2)/ नवि-14 दिनांक 26 ऑगस्ट 2022 अन्वये प्राप्त अधिकारानुसार मी, श्री. संजय काटकर, प्रशासक, मिरा भाईंदर

महानगरपालिका मा. महानगरपालिका महासभेच्या अधिकाराचा वापर करुन प्रशासनाने सादर केल्यानूसार वरील कामांचे रु.2,00,00,000/-- इतक्या रक्कमेचे अंदाजत्रक तयार करण्यात आले असुन प्रशासकीय व आर्थिक मान्यतेसाठी मा. जिल्हाधिकारी, जिल्हाधिकारी कार्यालय, ठाणे यांचेकडे प्रस्ताव सादर करण्यासाठी व एकत्रित निविदा मागविणेस ठरावाव्दारे मान्यता देण्यात येत आहे.

सदर कामाबाबतची पुढील कार्यवाही नियमानुसार संबधित विभागाने विहित पध्दतीने करावी.

(वासुदेव शिरवळकर)
नगरसचिव,
मिरा भाईंदर महानगरपालिका

(संजय काटकर, भाप्से)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

मिरा-भाईंदर महानगरपालिका

बांधकाम विभाग

दि.04/02/2025

// गोषवारा //

प्रकरण क्र. (४७९) :- निविदेस मान्यता देणेबाबत.

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव	सादर केलेला दर
1	2	3	4	5	6
1.	1126252_1	मिरा भाईंदर महानगरपालिका क्षेत्रातील उद्यानामध्ये स्थापत्य कामे करुन आरामदायक व्यवस्था बसविणे. (मुलभुत सोई सुविधांचा विकास)	रु.4,23,72,734/-	**मे. ए.आय.सी इन्फ्रास्ट्रक्चर** मे. श्रीजी इपीसी प्रा.लि.	**अंदाजपत्रकिय दराने** 0.6500 % जास्त दराने

वरील कामी **मे. ए.आय.सी इन्फ्रास्ट्रक्चर** या निविदाधारकाने **अंदाजपत्रकिय दराने** निविदा सादर केल्या आहेत. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार मान्यता देण्यास शिफारस आहे.

(दिपक खांबित)
शहर अभियंता
मिरा-भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव दिनांक 05/02/ 2025

प्रकरण क्र. (४९९) :- निविदेस मान्यता देणेबाबत.

ठराव क्र. (४९९)

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव	सादर केलेला दर
1	2	3	4	5	6
1.	1126252_1	मिरा भाईंदर महानगरपालिका क्षेत्रातील उद्यानामध्ये स्थापत्य कामे करुन आसन व्यवस्था बसविणे. (मुलभुत सोई सुविधांचा विकास)	रु.4,23,72,734/-	मे. ए.आय.सी इन्फ्रास्ट्रक्चर मे. श्रीजी इपीसी प्रा.लि.	अंदाजपत्रकिय दराने 0.6500 % जास्त दराने

वरील कामी **मे. ए.आय.सी इन्फ्रास्ट्रक्चर** या निविदाधारकाने **अंदाजपत्रकिय दराने** निविदा सादर केली आहे. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील 01 कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार प्रशासकीय ठरावाव्दारे मान्यता देण्यात येत आहे.

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबधित विभागाने विहित पध्दतीने करावी.

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

(संजय काटकर, भाप्रसे)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

पत्र बांधकाम विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना

मिरा-भाईंदर महानगरपालिका

बांधकाम विभाग

दि. 05 / 02 /2025

// गोषवारा //

प्रकरण क्र. (४२०) :- निविदेस मान्यता देणेबाबत.

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव	सादर केलेला दर
1	2	3	4	5	6
1.	1126222_1	मिरा भाईंदर महानगरपालिका क्षेत्रातील जेष्ठ नागरीकासाठी विरंगुळा केंद्र उभारणे. (मुलभुत सोई सुविधांचा विकास)	₹.4,23,71,150/-	**मे. ए.आय.सी इन्फ्रास्ट्रक्चर** मे. श्रीजी इपीसी प्रा.लि.	**अंदाजपत्रकिय दराने** 0.6000 % जास्त दराने

वरील कामी **मे. ए.आय.सी इन्फ्रास्ट्रक्चर** या निविदाधारकाने **अंदाजपत्रकिय दराने** निविदा सादर केल्या आहेत. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार मान्यता देण्यास शिफारस आहे.

(दिपक खांबित)
शहर अभियंता
मिरा-भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव दिनांक 04/02/ 2025

प्रकरण क्र. (420) :- निविदेस मान्यता देणेबाबत.

ठराव क्र. (420)

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव	सादर केलेला दर
1	2	3	4	5	6
1.	1126222_1	मिरा भाईंदर महानगरपालिका क्षेत्रातील जेष्ठ नागरीकांसाठी विरंगुळा केंद्र उभारणे. (मुलभुत सोई सुविधांचा विकास)	₹.4,23,71,150/-	**मे. ए.आय.सी इन्फ्रास्ट्रक्चर** मे. श्रीजी इपीसी प्रा.लि.	**अंदाजपत्रकिय दराने** 0.6000 % जास्त दराने

वरील कामी **मे. ए.आय.सी इन्फ्रास्ट्रक्चर** या निविदाधारकाने **अंदाजपत्रकिय दराने** निविदा सादर केली आहे. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील 01 कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार प्रशासकीय ठरावाव्दारे मान्यता देण्यात येत आहे.

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबधित विभागाने विहित पध्दतीने करावी.

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

(संजय काटकर, भाप्रसे)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

प्रत बांधकाम विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना

मिरा-भाईंदर महानगरपालिका

बांधकाम विभाग

दि. 04/ 02 /2025

// गोषवारा //

प्रकरण क्र. (429) :- निविदेस मान्यता देणेबाबत.

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव	सादर केलेला दर
1	2	3	4	5	6
1.	1126270_1	मिरा भाईंदर महानगरपालिका हद्दीतील प्रभाग क्र.14 मधील ए.पी.जे. अब्दुल कलाम उद्यान विकसित करणे. (मुलभुत सोई सुविधाचा विकास)	रु.4,13,47,075/-	**मे. गजानन कंस्ट्रक्शन** मे. बिटकॉन इंडिया इन्फ्रास्ट्रक्चर डेव्हलोपर्स प्रा.लि.,	4.0000 % जास्त दराने **दरवाटाघाटीनंतर अंदाजपत्रकिय दराने** 6.5000% जास्त दराने

वरील कामी **मे. गजानन कंस्ट्रक्शन** या निविदाधारकाने अंदाजपत्रकीय दराची निविदा सादर केल्या आहेत. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. महाराष्ट्र शासन, शासन निर्णय क्रमांक :- मनपा-2024/प्र.क्र.221/नवि-16 (ई-815728)दि.05 सप्टेंबर 2024 अन्वये सदर कामास तत्वत: मान्यता देऊन सदर कामासाठी रु.2.00 कोटी रक्कम मंजुर केल्याने रु.2.00 कोटीच्या मर्यादेत काम करणे आवश्यक आहे. पुढील काम टप्प्याटप्प्याने निधी मंजुर झाल्यानंतर करावयाचे आहे. त्यानुसार निधी उपलब्धतेप्रमाणे टप्प्याटप्प्याने कार्यादेश देण्यात येतील.

नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील कामास महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार मान्यता देण्यास शिफारस आहे.

(दिपक खांबित)
शहर अभियंता
मिरा-भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव दिनांक 05/02/ 2025

प्रकरण क्र. (429) :- निविदेस मान्यता देणेबाबत.

ठराव क्र. (429)

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव	सादर केलेला दर
1	2	3	4	5	6
1.	1126270_1	मिरा भाईंदर महानगरपालिका हद्दीतील प्रभाग क्र.14 मधील ए.पी.जे. अब्दुल कलाम उद्यान विकसित करणे. (मुलभुत सोई सुविधांचा विकास)	रु.4,13,47,075/-	मे. गजानन कंस्ट्रक्शन मे. बिटकॉन इंडिया इन्फ्रास्ट्रक्चर डेव्हलोपर्स प्रा.लि.,	4.0000 % जास्त दराने दरवाटाघाटीनंतर अंदाजपत्रकिय दराने 6.5000% जास्त दराने

वरील कामी **मे. गजानन कंस्ट्रक्शन** या निविदाधारकाने **अंदाजपत्रकिय दराने** निविदा सादर केली आहे. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. महाराष्ट्र शासन, शासन निर्णय क्रमांक :- मनपा-2024/प्र.क.221/नवि-16 (ई-815728)दि.05सप्टेंबर 2024 अन्वये सदर कामास तत्वत: मान्यता देऊन सदर कामासाठी रु.2.00 कोटी रक्कम मंजुर केल्याने रु.2.00 कोटीच्या मर्यादेत काम करणे आवश्यक आहे. पुढील काम टप्प्याटप्प्याने निधी मंजुर झाल्यानंतर करावयाचे आहे. त्यानुसार निधी उपलब्धतेप्रमाणे टप्प्याटप्प्याने कार्यादेश देण्यात येतील.

नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील 01 कामास महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार प्रशासकीय ठरावाव्दारे मान्यता देण्याचा प्रस्ताव प्रशासनाने सादर केला आहे.

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबधित विभागाने विहित पध्दतीने करावी.

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

(संजय काटकर, भाप्रसे)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

प्रत बांधकाम विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना

मिरा-भाईंदर महानगरपालिका

बांधकाम विभाग

दि. 4 / 2 /2025

// गोषवारा //

प्रकरण क्र. (422) :- निविदेस मान्यता देणेबाबत.

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव	सादर केलेला दर
1	2	3	4	5	6
1.	1126210_1	मिरा भाईंदर महानगरपालिका क्षेत्रातील विविध ठिकाणाच्या अंतर्गत रस्त्याचे कॉंक्रीटीकरण करणे. (मुलभुत सोई सुविधाचा विकास)	₹.4,22,00,027/-	**मे. ए.आय.सी इन्फ्रास्ट्रक्चर** मे. श्रीजी इपीसी प्रा.लि.	**अंदाजपत्रकिय दराने** 0.5500 % जास्त दराने

वरील कामी **मे. ए.आय.सी इन्फ्रास्ट्रक्चर** या निविदाधारकाने **अंदाजपत्रकिय दराने** निविदा सादर केल्या आहेत. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील कामास महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार मान्यता देण्यास शिफारस आहे.

(दिपक खांबित)
शहर अभियंता
मिरा-भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव दिनांक 04/02/ 2025

प्रकरण क्र. (422) :- निविदेस मान्यता देणेबाबत.

ठराव क्र. (422)

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव	सादर केलेला दर
1	2	3	4	5	6
1.	1126210 1	मिरा भाईंदर महानगरपालिका क्षेत्रातील विविध ठिकाणाच्या अंतर्गत रस्त्यांचे कॉंक्रीटीकरण करणे (मुलभुत सोई सुविधाचा विकास)	रु.4,22,00,027/-	मे. ए.आय.सी इन्फ्रास्ट्रक्चर मे. श्रीजी इपीसी प्रा.लि.	अंदाजपत्रकिय दराने 0.5500 % जास्त दराने

वरील कामी **मे. ए.आय.सी इन्फ्रास्ट्रक्चर** या निविदाधारकाने **अंदाजपत्रकिय दराने** निविदा सादर केली आहे. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील 01 कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार प्रशासकीय ठरावाव्दारे मान्यता देण्यात येत आहे.

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबधित विभागाने विहित पध्दतीने करावी.

(वासुदेव शिरधळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

(संजय काटकर, भाप्रसे)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

प्रत बांधकाम विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना

मिरा-भाईंदर महानगरपालिका

बांधकाम विभाग

दि. ५ / 2 /2025

// गोषवारा //

प्रकरण क्र. (423) :- निविदेस मान्यता देणेबाबत.

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव
1	2	3	4	5
1.	1126259_1	मिरा भाईंदर महानगरपालिका क्षेत्रात सर्व शौचालयाचे आधुनिकीकरण करुन नवीन बांधणे. (मुलभुत सोई सुविधाचा विकास)	₹ 38,87,46,729/-	मे. देव इंजिनिअर्स मे. गजानन कंस्ट्रक्शन

Item Description	Qty	Unit	M/s. Dev Engineers		M/s. Gajanan Construction	
			Rate	Amount	Rate	Amount
ITEM NO :-01 Dismantling brick masonry in lime or cement mortar and stacking the materils as directed with all leads, lifts etc. (SSR-2022-23 SSR No.-46.09.296)	2780.91	Cu.Mt	**351.75**	**978185.093**	376	1045622.16
ITEM NO :-02 Excavation for foundation in earth, soils of all types, sand,gravel and soft murum,including removing the excavated material upto a distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, wateing including shoring andstrutting etc. complete. (Lift from 1.5m to 3.0m) By Manual Means (SSR-2022-23 SSR No.-21.03.153)	1363.63	Cu.Mt	**329.70**	**449588.811**	352	479997.76
ITEM NO :-03 Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.50 m) By Mechanical Means(SSR-2022-23 SSR No.-21.06.153)	3166.6	Cu.Mt	**238.4**	**754759.11**	255	807183
ITEM NO :-04 Removing rich mix cement concrete including stacking the spoils as directed with all leads, lifts etc. complete(SSR-2022-23 SSR No.-46.13.296)	2627.2	Cu.Mt	**976.5**	**2565460.8**	1043	2740169.6
ITEM NO :-05 Transportation of the Excavated Material Upto 20KM -Statement C1 SSR 2022-23	6635.2	Cu.Mt	**468.4**	**3107728.62**	500	3317600
ITEM NO :-06 Filling in plinth and floors with approved excavated material in 15cm. to 20cm.Layers including watering and compacting etc. complete.(SSR-2022-23 SSR No.-21.36.157)	3303.2	Cu.Mt	**126.0**	**416203.2**	135	445932

ITEM NO :-07 Filling in plinth and floors with contractors material brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete.(SSR-2022-23 SSR No.-21.37/157)	380.0	Cu.Mt	**1212.6**	**460784.2**	1295	492100
ITEM NO :-08 Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete.(SSR-2022-23 SSR No.-21.38/157)	860.6	Cu.Mt	**3240.4**	**2788705.45**	3461	2978536.6
ITEM NO :-09 Providing and laying Cast in situ/Ready Mix cement concrete in M15 of trap/ granite/quartzite/gneiss metal for bed blocks, foundation blocks and such other items including bailing out water, Steel centering, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.), with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)(SSR-2022-23 SSR No.-24.08/176)	669.8	Cu.Mt	**8011.8**	**5366276.85**	8557	5731478.6
ITEM NO :-10 Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap /granite/quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. includinghailing out water, Steel centering, formwork ,cover blocks, laying/pumping,compaction and curing roughening the surface if special finish is to be provided(Excluding reinforcement and structural steel) etc. complete, with fully automatic microprocessor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batching plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)(SSR-2022-23 SSR No.-25.13/178)	668.9	Cu.Mt	**8937.4**	**5978233.55**	9545	6384650.5
ITEM NO :-11 Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA	196.22	Cu.Mt	**15951.41**	**3129985.67**	17036	3342803.92

enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)(SSR-2022-23 SSR No.-25.33/180)						
first floor	123.03	Cu.Mt	**16110.93**	**1982127.72**	17206	2116854.18
second floor	113.55	Cu.Mt	**16270.44**	**1847508.46**	17377	1973158.35
terrace floor	7.91	Cu.Mt	**16429.95**	**130453.803**	17547	139323.18
ITEM NO :-12 Providing and laying Cast in situ Ready Mix cement concrete in M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying pumping,compactionand roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc complete. With fine aggregate (Crushed sand VSI Grade)(SSR-2022-23 SSR No.-25.52/181)	178.78	Cu.Mt	**14360.66**	**2567398.79**	15337	2741948.86
first floor	164.09	Cu.Mt	**14504.27**	**2380005.66**	15491	2541918.19
second floor	119.33	Cu.Mt	**14647.87**	**1747930.33**	15644	1866798.52
terrace floor	117.13	Cu.Mt	**14791.48**	**1736963.5**	15797	1855041.71
ITEM NO :-13 Providing and laying Cast in situ Ready Mix cement concrete M-25 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including steel centering, formwork, cover blocks, laying pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc complete. With fine aggregate (Crushed sand VSI Grade)(SSR-2022-23 SSR No.-25.72/182)	237.87109	Cu.Mt	**16107.86**	**3831594.22**	17203	4092096.36
first floor	254.12	Cu.Mt	**16268.94**	**4134263.03**	17375	4415335
second floor	235.86	Cu.Mt	**16430.02**	**3875184.52**	17547	4138635.42
terrace floor	216.19	Cu.Mt	**16591.10**	**3586829.91**	17719	3830670.61
ITEM NO :-14 Providing and laying Cast in situ Ready Mix cement concrete in M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. pardi of required thickness including steel centering, formwork, cover blocks, laying/pumping, compacting and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)(SSR-2022-23 SSR No.-26.19/185)	355.18	Cu.Mt	**17823.56**	**6330572.04**	19036	6761206.48
First Floor	2.06	Cu.Mt	**18001.8**	**37083.708**	19226	39605.56
second floor						

terrace floor	124	Cu.Mt	**18358.27**	**2276425.48**	19607	2431268
ITEM NO :-15 Providing and laying Cast in situ Ready Mix cement concrete M-25 of trap granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including steel centering, formwork, cover blocks, laying, pumping, compacting and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel), with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)(SSR-2022-23 SSR No - 26.07.184)	33.00105	Cu.Mt	**16107.86**	**531576.293**	17203	567717.063
first floor	28.817643 75	Cu.Mt	**16268.94**	**468832.517**	17375	500706.56
second floor	16.784156 25	Cu.Mt	**16430.02**	**275764.023**	17547	294511.59
ITEM NO :-16 Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules, including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.(SSR-2022-23 SSR No.- 26.33.188)	196.64	MT	**94188.15**	**18521157.8**	100593	19780607.5
first floor	67.06	MT	**95130.03**	**6379419.81**	101599	6813228.94
second floor	56.3	MT	**96071.91**	**5408848.53**	102605	5776661.5
terrace floor	29.8	MT	**97013.79**	**2891010.94**	103611	3087607.8
ITEM NO :-17 Providing and laying damp proof course 50 mm thick in M20 cement concrete layer and bitumen / using cement with waterproofing compound curing, formwork etc complete(SSR-2022-23 SSR No.- 31.01.205)	209.06	Sqm	**453.6**	**94829.616**	484	101185.04
ITEM NO :-18 Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls including bailing out water manually , striking joints on un exposed faces and watering etc.complete.(SSR-2022-23 SSR No.-28.01.199)	380	Cu.Mt	**7320.81**	**2781907.8**	7819	2971220
ITEM NO :-19 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete(SSR-2022-23 SSR No.-27.05.197)	669.3	Cu.Mt.	**10027.15**	**6711171.5**	10709	7167533.7
first floor	440.68	Cu.Mt.	**10127.43**	**4462955.85**	10816	4766394.88
second floor	463.77	Cu.Mt.	**10227.70**	**4743300.43**	10923	5065759.71
ITEM NO :-20 Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and	2871.23	Sq.Mt.	**700.64**	**2011698.59**	748	2147680.04

keeping the surface of the base coat rough to receive the sand faced treatment to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc complete (SSR-2022-23 SSR No - 32.11.209)						
first floor	2798.44	Sq Mt	707.65	1980316.07	756	2115620.64
second floor	3697.98	Sq Mt	714.65	2642761.41	763	2821558.74
ITEM NO :-21 Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete. (SSR-2022-23 SSR No -32.04.209)	1449.82	Sqm	305.40	442775.028	326	472641.32
first floor	1501.719	Sqm	308.45	463205.226	329	494065.551
second floor	3656.22	Sqm	311.5	1138912.53	333	1217521.26
ITEM NO :-22 Providing and applying priming coat on concrete/ masonary / Asbestos Cement plastered surfaces including scaffolding if necessary, preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and sand papering as required etc. complete (SSR-2022-23 SSR No.-35.21.225)	2871.23025	Sq Mt	37.8	108532.503	40	114849.21
first floor	2798.44	Sq Mt	38.18	106844.439	41	114736.04
second floor	3697.977	Sq Mt	38.56	142593.993	41	151617.057
ITEM NO :-23 Providing and applying plastic emulsion paint of approved quality, colour and shade to old and new surfaces in two coats including scaffolding, preparing the surface. (excluding the primer coat)etc. complete (SSR-2022-23 SSR No.-36.12.227)	1528.7355	Sq.Mt	84	128413.782	90	137586.195
first floor	1462.4625	Sq Mt	84.84	124075.319	91	133084.088
second floor	3538.05	Sq Mt	85.68	303140.124	92	325500.6
ITEM NO :-24 Providing and applying two coats of exterior weather shield paint of approved manufacture and of approved colour to the plastered surfaces including cleaning ,preparing the plaster surface ,applying primer coat ,scaffolding if necessary, and watering the surface for two days etc complete.NOTE : For Item No. 15 to 18 prior approval of Superintending Engineer will be necessary (SSR-2022-23 SSR No.-35.26.225)	2871.23025	Sq Mt	309.75	889363.57	331	950377.213
first floor	2798.44	Sq Mt	312.85	875491.954	334	934678.96
second floor	3697.977	Sq Mt	315.95	1168375.83	337	1246218.25
ITEM NO :-25 Providing and fixing false ceiling of 10 to 12 mm thick decorative boards of fibrous plaster of paris including scaffolding if necessary all architectural work like mouldings,cornices, coves, domes, cups as per detailed drawings and three coats of spray painting to boards etc. complete. (excluding frame work, runners and mild steel suspenders)(SSR-2022-23 SSR No.-38.17.235)						
first floor	1465.00	Sq Mt	1277.90	1872123.5	1365	1999725
second floor	1338.40	Sq Mt	1290.56	1727285.5	1378	1844315.2
ITEM NO :-26 Providing,supplying,fabricating and fixing panel of aluminium composite panel cladding in approved shape made	2871.23025	Sq Mt	4063.5	11667244.1	4340	12461139.3

out of 4 mm thick ACP sheet material consisting of 3mm thick FR grade mineral core following NBC part IV Fire and life safety (having 2 hours fire resistance in accordance to ASTM E119-12 and BS476 part 6 and 7 class O) sandwitched between two aluminium sheets (each 0.5 mm thick of AA 5005/AA3105 grade) The aluminium composite panel cladding sheet shall be coil coated with kynar 500 based PVDF/Lumiflon based fluropolymer resin (having 70:30 ratio of PVDF and acrylic coating of approved colour and shade on top face and polymer (service) coating of bottom face as specified using stainless steel screws,nuts,bolts,washers,cleats,weather silicon sealent,backer rods etc .overall weight of the ACP shall not be less than 7.5 Kilogram/ One Square Metre)(SSR-2022-23 SSR No.-51.100/378)						
first floor	2798.44	Sq.Mt	**4104.14**	**11485189.5**	4383	12265562.5
second floor	3697.977	Sq.Mt	**4144.77**	**15327264.1**	4427	16370944.2
ITEM NO :-27 Providing and laying Antiskid Ceramic tiles of approved quality of size 30 cm x 30 cm and confirming to IS 15622-2006 (Group-B IIA) for antiskid flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with cement slurry cleaning curing etc. complete(SSR-2022-23 SSR No.-33.67/220)						
ITEM NO :-28 Providing and laying vitrified mirror / glossy finish tiles decorative type having size 590 mm to 605 mm x 590 mm to 605 mm of 8 to 10 mm thickness and onfirming to IS. 15622-2006 (group Bla) of approved make, hade and pattern for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints, curing and clearing etc. complete (SSR-2022-23 SSR No.-33.40/217)						
first floor						
second floor	614.90	Sq.Mt	**1278.92**	**786407.908**	1366	839953.4
ITEM NO :-29 Providing and laying ceramic tiles of having size 30 cm. x 30 cm. and confirming to corresponding I.S. for dado and skirting in required position with ready made adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete.(SSR-2022-23 SSR No.-33.25/215)	31.30	Sq.Mt	**1333.04**	**41724.152**	1424	44571.2
first floor				**0**		0
second floor	17.40	Sq.Mt	**1359.71**	**23658.954**	1452	25264.8
ITEM NO :-30 Providing and laying in position flooring of telephone black / Amba White / Cat bary brown / Ruby red / Ocean Brown granite stone of approved shade and size 18 mm to 20 mm thick on bed 1:6 cement mortar including cement floats striking joints, pointing in C.M. 1:3 curing and cleaning etc. complete.(SSR-2022-23 SSR No.-33.34/216)	5026.80	Sq.Mt	**4244.99**	**21338715.7**	4534	22791511.2
first floor	3773.30	Sq.Mt	**4287.44**	**16177797.4**	4579	17277940.7

second floor	317.00	Sq.Mt	**4329.89**	**1372575.13**	4624	1465808
terrace floor						
ITEM NO :-31 Providing and Fixing 30 MM thick BOTH SIDE PRELAMINATED SOLID PANEL PVC DOOR SHUTTER consisting of frame made out of M.S tubes of 19 guage thickness and, size 19 x 19 mm for styles and 15 x15 mm for the top and bottom rails. M.S frame shall have a coat of metel primer of approved make and manufacture. M.S frame shall be covered with heat moulded PVC 'C' channel made from 5 mm (+ 0.25) thick prelaminated sheet of density 600 Kilogram/cbm .of size 30mm thickness 70mm width out of which 50mm shall be flat and 20mm shall be tapered in 45° angle on either side forming stiles ; and 5 mm thick ,95 mm wide PVC sheet out of which 75 mm shall be falt and 20 mm shall be tapered in 45 on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be falt and 20 mm shall be tapered on both sides to form lock rail.Top,bottom and lock rail shall be provided either side of the panel. An additional 5 mm (+ 0.25) thick PVC strip of 20 mm width is to be stuck on the bottom side of the 'c' channel prelaminated paneling of 5 mm (+ 0.25) thick PVC sheet to be fitted inside the M.S. frame welded/ sealed to the styles and rails with 5 mm (+ 0.25) x30 mm PVC sheet beading on either side and joined together with solvent cement adhesive etc .10 mm thickness (5 mm (+ 0.25) x 2 nos) 20 mm wide cross PVC sheet as gap insert for the rail and bottom rail. Door to be fixed to frames with 3 nos M.S powder coated but hinges of size 100 mm x 25MM x 2mm using 32 mm long steel screws drilled suitable to pass through both the walls of the M.S tube. Other hardwares(SSR-2022-23 SSR No :- 39.47/255)						
first floor						
second floor						
ITEM NO :-32 Providing and fixing to frames 30 mm thick Fibre Glass Reinforced Plastic (FRP) panelled / extruded profiled door shutter of approved colour, brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5mm thick FRP laminate for panels conforming to IS: 14856 - 2000 etc complete as directed (MCGM USOR BLDG 2023 ,R3-CS-PV-02/130)	283.5	Sq.Mt	**2287**	**648364.5**	2443	692590.5
first floor	92.4	Sq.Mt	**2309.87**	**213431.988**	2467	227950.8
Second Floor	151.2	Sq.Mt	**2332.74**	**352710.288**	2491	376639.2
ITEM NO :-33 Providing and fixing steel ventilator fully glazed partly fixed as per detailed drawing without hot dip zinc coating including fabricating glazing with plain obscured glass panes 5 mm thick and	189	Sq.Mt	**3543.75**	**669768.75**	3785	715365

approved type and quality and iron oxidized fixtures and fastening oil paint 2 coats etc. complete (SSR-2022-23 SSR No.-39.29.249)						
first floor	228.42	Sq.Mt	3579.19	817558.58	3823	873249.66
ITEM NO :-34 Providing and fixing green marble of 18 to 20 mm thick for door frame/ dado/ window boxing etc. On C.M. 1:6 including filling joints with polymer base filler nosing / moulding the sharp edges wherever necessary, curing, etc complete (SSR-2022-23 SSR No.-33.48/218)	341.5	Sq.Mt	2503.34	854890.61	2674	913171
ITEM NO :-35 Providing and fixing 450mm x 550mm size superior type Belgium mirror with 16mm dia. nickel plated towel rod etc. complete.(SSR-2022-23 SSR No.-42.20/276)	438	NOS	904.05	395973.9	966	423108
ITEM NO :-36 Providing and fixing M.S. grill door 24 Kilogram/ One Square Metre of various size as per detailed drawings without hot dip coating, iron fixtures and fastenings and 3 coats of oil painting etc(SSR-2022-23 SSR No.-39.31/250)	477	Sq.Mt	3420.9	1631769.3	3654	1742958
first floor	575.55	Sq.Mt	3455.11	1988588.56	3690	2123779.5
second floor	359.82	Sq.Mt	3489.32	1255527.12	3727	1341049.14
ITEM NO :-37 Providing waterproof plaster in W.C. and bath 12 mm thick for dado in cement mortar 1:3 with neat finishing, floating using waterproofing compound at the rate of 1 Kilogram. per bag of cement of approved make and manufacturer and curing etc. complete. (Excluding Tiles) (As directed by Engineer in Charge)(SSR-2022-23 SSR No.-31.06.205)	3399.63225	Sq.Mt	427.94	1454838.63	457	1553631.94
first floor	2315.7377	Sq.Mt	432.22	1000908.15	462	1069870.82
ITEM NO :-38 Providing and fixing reinforced cement concrete cover of size 90 cm x 45 cm with frame over inspection chamber etc. complete. Heavy duty (225 Kilogram)(SSR-2022-23 SSR No.-42.68/281)	76	NOS	5923.05	450151.8	6326	480776
ITEM NO :-39 Providing and applying water proofing treatment using acrylic polymer modified cement based water proofing coating with fibre glass mesh mixing at the rate of powder to liquid (2:1) by weight covering 9 to 10 Square Metre /Kilogram with two coat using approved chemicals for masonry and concrete surface by brush covering. 7 years guarantee on Stamp Papers etc. complete. (SSR-2022-2023 SSR No. 31.09.206	1425.87	Sq.Mt	652.21	929966.673	697	993831.39
second floor	1338.422	Sq.Mt	658.67	881578.419	703	940910.666
ITEM NO :40 Providing and constructing Brick Masonry Inspection Chamber 60cm x 45cm x 90cm including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W pipes, Brick Masonry, plastering from inside and airtight C.I. cover of	76	NOS	16489.93	1253234.68	17611	1338436

75Kilogramwith lid and frame fixed in cement concrete(SSR-2022-23 SSR No-42 10/274)						
ITEM NO :-41 Dewatering on BHP basis by using water pump including diversion of stream, providing cofferdams, earthern bunds etc. as may be necessary for foundation and other parts of the works and pumping out water during and after excavation as may be required by using 3.0 BHP pump etc. complete. (prior approval of Superintending Engineer will be necessary) (SSR-2022-23 SSR No -12 22/85)	5700	One Hr.	**187.95**	**1071315**	201	1145700
ITEM NO :-42 Providing and fixing 900mm high S.S.304 Grade Stainless steel railing with 40mm diameter and 1.5mm thick at top, 40mm diameter and 1.5mm thick vertical supports spaced at 1.5m center to center and 8mm thick toughened glass including fabricating ,fixtures, erecting , necessary welding , grinding , finishing, buffing to stainless steel pipe etc. complete (SSR-2022-23 SSR No -40 07/264)	217.78	Rmt	**4939.2**	**1075658.98**	5275	1148789.5
ITEM NO :-43 Providing and fixing 20 to 25 mm thick rough shahabad box type waterproofing for basement or underground floor on a base of Cement concrete 1:3:6, including sub base of 2.50 centimeter thick Cement mortar 1:3 with conceal. secrete (RMW), Algae proof or other alike waterproofing liquids, raking of joints upto 35 mm depth, filling the joints with 6 mm size crushed metal, hand grouting with cement slurry, curing and cleaning, with 7 years guarantee on court fee stamp of Rs. 100/- with ponding test etc complete. (excluding Cement concrete 1:3:6 base concrete) (SSR-2022-23 SSR No -31 12/206)	296.67535	Sq Mt	**1375.49**	**408073.977**	1469	435816.089
ITEM NO :-44 Providing and constructing BB masonary circular manhole 1.2 m dia at bottom upto a depth of 2.0 M (MJP DSR 2023-24, Item No 06, Page no 285)	76	Nos	**32080.79**	**2438140.04**	34262	2603912
ITEM NO :-45 Providing cement based water proofing treatment to terraces (Indian water proofing or alike) with brick bats laid in required slope to drain the water for any span after cleaning the base surface. Applying a coat of cement slurry admixed with approved water proofing compound and laying the brick bats on bottom layer in C.M.1:5 admixed with approved water proofing compound filling up to half depth of brick bats, curing this layer for 3 days, applying cement slurry over this layer joints of brick bats with C.M.1:3 admixed with approved water proofing compound and finally top finishing with average 20 mm thick layers of same mortar added with jute fiber at 1 Kg per bag including finishing the surface smooth with cement slurry admixed with approved water proofing compound. Marking finished surface with false squares of 300mm x 300 mm, making the junctions at the	1056.03	Sq Mt	**1373.23**	**1450172.08**	1467	1549196.01

parapet rounded and tapered top for required height, with drip mould at the junction of plaster and parapet and curing and covering 10 years Guarantee against leakproofness on Court fee stamp paper of Rs. 500/- including ponding test etc. complete. (SSR-2022-23 SSR No.-31.04/205)						
ITEM NO :-46 Providing and fixing 20 to 25 mm thick rough shahabad box type waterproofing treatment to vertical outside faces of Reinforced Cement concrete walls of basement or underground floor including filling the gap of 25 mm between rough shahabad and R.C.C. walls with cement grout mixed with water proofing liquid Algae proof or other alike with one tile lift method, brushing the joints horizontally with cement slurry mixed with waterproofing liquid for width 30 to 35 mm and sloping coping over topmost tile with cement mortar 1:3, butting the bottom most with Cement concrete 1:2:4 mixed with water proofing liquid, curing, with 7 years guarantee on court fee stamp of Rs.100/- with ponding test etc complete. (excluding Cement concrete 1:3:6 base concrete) (SSR-2022-23 SSR No.-31.13/207)	1705.68	Sq Mt	**1430.09**	**2439275.91**	1527	2604573.36
ITEM NO :-47 Providing and fixing in position (as per IS:1868 / 1982) Aluminium sliding window of three tracks with rectangular pipe 95 x 38.10 x 0.90 mm at weight 0.637 kg/Rmt. with window frame bottom track section 92 x 31.75 x 1.30 mm at weight 1.070 kg/Rmt., Top and side track section 92 x 31.75 x 1.30 mm at weight 0.933 kg/Rmt. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 kg/Rmt. and handle and top section 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. As per detailed drawings and as directed by Engineerincharge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5 mm thick plain glass and aluminium mosquito net shutter with stainless steel jail with all required screws and nuts etc. complete. With colour Anodising with box (SSR-2022-23 SSR No.-39.41/253)	61.2	Sq Mt	**5777.1**	**353558.52**	6170	377604
first floor	72	Sq Mt	**5834.87**	**420110.64**	6232	448704
second floor	298.8	Sq Mt	**5892.64**	**1760720.83**	6293	1880348.4
ITEM NO :- 48 Providing and fixing informatory sign boards shape of size 0.90 x 0.60 m made out of 3mm Aluminum composite panel bonded with IRC Specified colour of retro reflective sheeting of Type IV High Intensity Micro-Prismatic Grade Sheeting (HIP) having pressure sensitive / heat activated adhesive, IRC Specified colour retro reflective cutout border & messages having pressure sensitive adhesive having border & messages in IRC Specified colour background including M. S. angle iron frame of size	190	NOS	**12071.85**	**2293651.5**	12893	2449670

35 mm X 35 mm X 5 mm & M.S. angle iron post of size 65 mm X 65 mm X 6 mm, 3.65 m long, duly painted with flat oil paint having alternate black and white bands of 25 cm width including G.I. fixtures etc, fixing the boards in M-20 concrete block of size 60cm X 60cm X 75cm including transportation etc. complete. Aluminum composite panel with Type IV High Intensity Micro-Prismatic Grade Sheeting. Spec.No. As per IRC-67, 2015 (SSR-2022-23 SSR No.-6.49.65)						
ITEM NO :- 49 Dust Bin (Aluminium) (Refer sketch 11) Product area:0.31Sqm, Capacity in ltrs: 37.0 ltrs, Product height:0.90m (MCGM GARDEN 2013 ,GW-3-2-g / 20)	244	NOS	**20301**	**4953444**	21681	5290164
ITEM NO :- 50 Supply and installation of cubicles of width and depth as per Athena Lite- SS Series Cubicles- Std Sizes (W x D x H) 900 mm x 1550 mm x 2105 mm, (Height is including 100 mm gap from bottom, Door Width- 600 mm specifications/ site drawings). Cubicleheight to be 2105 mm. Made from solid grade compact high pressure laminate as per IS:2046 and EN-438 manufactured under high specific pressure > 5 MPa and temperature >120°C. All doors will be of single colour and made of 12 mm thick Merino HPL stainless steel made hinges affixed to the pilasters. Size of panels to be as per drawing.HARDWARE & ACCESSORIES are H shaped (Top) head frame structure made of extruded Aluminium grade 6063 T5-50 micron epoxy powder coated for surfaceprotection. Size to be 125x70x51. Corner joinery section, Size to be 40x16.5x1.81. UChannel Wall joinery section,Size to be 22x16x1.61. Door stopper section, Size to be 21x12.5x1.61. Spring loaded Butt Hinges made from Stainless steel grade 304. Surface finish to be matt type. Covers to be lacor coated etc complete. (SSR-2022-23 SSR No.-51.162/395)	1914.28	sqmt	**11755.8**	**22503892.8**	12555	24033785.4
first floor	2519.55	sqmt	**11873.36**	**29915524.2**	12681	31950413.6
ITEM NO :- 51 GARDEN SOIL :- Supplying on site garden soil well sieved 80 % to pass through I.S. sieve of 10 mm size free from stones rubbish like dried grass roots and other such materials. The soil should be fresh from quarry. The color of the soil generally is red. The soil will be measured by measuring box. (Tarma) (PWD Garden SSR 22-23, 1.8)	11.7	CUM	**1500**	**17550**	1602	18743.4
ITEM NO :- 52 Providing on site required variety of lawn (free from weeds /disease etc.) Cynadon/ paspalum/ selection for 1 sqm. area dibbling distance 5 cms. apart c/c. (PWD Garden SSR 22-23, 46/14)	153	Sq Mt	**60**	**9180**	64	9792
ITEM NO :- 53 Boring drilling bore well of 300mm dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from	1140	RMT	**436.8**	**497952**	467	532380

different strata,preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machinery required for the job, all complete as per direction of Engineer in charge, upto 90m depth below ground level (SSR-2022-23 SSR No -48.48/317)						
ITEM NO :- 54 Providing and fixing collapsible steel gate in one / two leaves with hot rolled vertical channels of 18 x 9 x 3 mm minimum size, crossings of M.S. flats of size 18 x 5 mm T or E section for runner of minimum 40 x 6 mm size for flange, M.S. flat for top runner of minimum size 40 x 12 mm with roller wheels confirming to grade I G 150 fitted with snap headed rivets of minimum size 6 mm max. spacing of vertical channels be 100 mm enclosed gate position and clear space of 150 mm between two sets of crossings with hold fasts, stoppers, spaces, handles, locking arrangement and one coat of red lead primer and oil painting etc. complete. (I.S. 10521/1983) (SSR-2022-23 SSR No -39.26/249)	203.7	SQM	**4211.55**	**857892.735**	4498	916242.6
ITEM NO :- 55 Providing and fabricating structural steel work in rolled sections like joists, channels,angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc complete. (SSR-2022-23 SSR No -23.01/173)	3.8	MT	**106936.2**	**406357.56**	114208	433990.4
ITEM NO :- 56 Stainless Steel AISI-304(18/8) Orissa pattern W.C. pan of size 585x480 mm with flush pipe and integrated type foot rests (MCGM USOR 22-23, R3-CS-PS-1-b)	740	EACH	**14661**	**10849140**	15658	11586920
ITEM NO :- 57 Providing and fixing on walls/ ceiling/ floor 15 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. (SSR-2022-23 SSR No.-42.55/280)	2430	RMT	**279.3**	**678699**	298	724140
ITEM NO :- 58 Providing and fixing on walls/ ceiling/ floor 25 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. (SSR-2022-23 SSR No.-42.57/280)	2430	RMT	**393.75**	**956812.5**	421	1023030

ITEM NO :- 59 Providing and fixing on walls/ ceiling/ floor 50 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. (SSR-2022-23 SSR No -42.60/280)	2530	RMT	**778.05**	**1968466.5**	831	2102430
ITEM NO :- 60 Providing and fixing C.P. BIB cock with wall flange of approved make including necessary sockets/ union nut etc. complete as directed by Engineer in charge. (SSR-2022-23 SSR No -48.28/314)	880	NOS	**1252.65**	**1102332**	1338	1177440
ITEM NO :- 61 Stainless Steel AISI-304(18/8) Wash basin 530x345 mm with single 15 mm C.P. brass pillar tap (MCGM USOR 22-23, R3-CS-PS-7-k)	462	NOS	**5148**	**2378376**	5498	2540076
ITEM NO :- 62 Providing and laying 100 mm dia salt glazed stoneware pipe including fittings such as bends, tees, single junction, double junctions laying, jointing (including excavation and refilling the trenches) complete. (SSR-2022-23 SSR No.-42.03/274)	1210	RMT	**366.45**	**443404.5**	391	473110
ITEM NO :- 63 Providing and fixing P.V.C. Rain water pipes of 160mm outer diameter and having wall thickness of 2.2 to 2.7 mm confirming to I.S. 13592-1992 including proper rainwater receiving recess with P.V.C. plug, bend, necessary fittings, such as, offsets, shoes, inluding fixing the pipe on wall using approved wooden cleats projecting 25mm to 40mm from face of wall a fixing with clips of approved quality and One Number ,filing the joint using rubber gasket with solvent cement and properly resting the shoe of pipes on C.C. or masonry blocks, including necessary scaffolding and maintenance for 3 yrs for any leakages or dislocations of pipes. All the P.V.C. fittings and additional 2 piece socket clips shall be got approved from engineer in charge etc. complete. (SSR-2022-23 SSR No.-42.85 / 283)	1235	RMT	**1555.05**	**1920486.75**	1661	2051335
ITEM NO :- 64 Providing, laying and fixing P.V.C. pipe of 110 mm. dia. with fittings such as bends, tees, reducers, clamps, etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chawky or as directed etc. complete. (SSR-2022-23 SSR No.-42.28 / 277)	1385	RMt	**623.7**	**863824.5**	666	922410
ITEM NO :- 65 Providing and laying cement concrete pipe of IS 458:2003 NP-2 class of 450mm diameter in proper line, level and slope including providing and fixing collars in cement mortar 1:2 and curing etc. complete. (SSR-2022-23 SSR No -11.08.81)	685	Rmt	**2046.45**	**1401818.25**	2186	1497410
ITEM NO :- 66 Providing,lowering and laying of RCC pipes NP-IV ,250 mm dia (MJP DSR 2023.24 Item No 01 & 02 Page no 110)	670	RMT	**961.4**	**644138**	1027	688090

ITEM NO :- 67 Providing and fixing 15mm diameter water meter with non-return valve including strainer, sockets/ union nut including water meter box making locking arrangement and lock. [Without chamber] (SSR-2022-23 SSR No.-41.26 / 269)	50	NOS	**3958.5**	**197925**	4228	211400
ITEM NO :- 68 Providing and fixing on walls/ ceiling/ floors, 25 mm dia. heavy grade having embossed as ISI Mark galvanised iron pipes weight of 3.01 Kg meter with necessary fittings , remaking good the demolished portion and applying primer of anti-corrosive oil paint 2 coats Including necessary scaffolding and removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. (SSR-2022-23 SSR No.-41.12 / 267)	735	RMT	**670.95**	**493148.25**	717	526995
ITEM NO :- 69 Providing and fixing on walls/ ceiling/ floors, 32 mm dia. heavy grade having embossed as ISI Mark galvanised iron pipes weight of 3.89 Kg meter with necessary fittings , remaking good the demolished portion and applying primer of anti-corrosive oil paint 2 coats Including necessary scaffolding and removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. (SSR-2022-23 SSR No.-41.13/267)	720	RMT	**730.8**	**526176**	780	561600
ITEM NO :- 70 Providing and fixing on walls/ ceiling/ floors, 40 mm dia. heavy grade having embossed as ISI Mark galvanised iron pipes weight of 4.49 Kg/meter with necessary fittings and remaking good the demolished portion and applying primer of anti-corrosive oil paint 2 coats Including necessary scaffolding and removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.(SSR-2022-23 SSR No.-41.14/267)	720	RMT	**807.45**	**581364**	862	620640
ITEM NO :- 71 Supplying and erecting 150 mm dia. cast iron double flange sluice valve complete with PN16 pressure rating, as per specification no. FF-VL/SV (PWD CSR 2023-24 ,13-7-15 / 192)	50	EACH	**14310**	**715500**	15283	764150
ITEM NO :- 72 Providing and fixing 50 mm Ball Valve with complete with PN16 pressure rating, as per specification no. FF-VL/BV (PWD CSR 2023-24 ,13-7-41 / 193)	91	EACH	**3388**	**308308**	3618	329238
ITEM NO :- 73 Supplying and erecting 150 mm dia cast iron double flange NRV complete with PN16 pressure rating, as per specification no. FF-VL/NRV (PWD CSR 2023-24 ,13-7-25 / 192)	91	EACH	**14147**	**1287377**	15109	1374919
ITEM NO :- 74 Supplying, erecting, testing and commissioning of minimum three & above star rated submersible pumpset of 3.75 kW/5 HP with 415 V, three phase,	38	EACH	**38218**	**1452284**	40817	1551046

50 Hz A.C. supply suitable for 150 mm dia. borewell with 210 to 860 lpm discharge at 38 to 13 m head & discharge & delivery pipe of size-65mm dia. with a necessary H type clamps as per specification no. WP-SMP (PWD CSR 2023-24 ,12-2-6 / 168)						
ITEM NO :- 75 Supplying, erecting, testing and commissioning of water level controller 230/415 V, A.C. supply , four way under ground & over head tank operation only (PWD CSR 2023-24 ,12-4-15 / 176)	38	EACH	**1305**	**49590**	1394	52972
ITEM NO :- 76 Providing and fixing toilet paper holder : C.P. brass (MCGM CSOR 2023 ,R3-(CS-PS-33-a 168)	764	NOS	**1687**	**1288868**	1802	1376728
ITEM NO :- 77 Low level flushing cistern (SSR 22-23 Item No. 357 pg. 539)	764	NOS	**1299**	**992436**	1387	1059668
ITEM NO :- 78 Providing and fixing in position various capacity rainwater harvesting dual intensity auto flush open ended at drain outlet filter with working principal of COHESSIVE AND CENTRIFUGAL FORCE having filter element made out of S.S. 304 screen with mesh size of 205 microns having rainfall capacity of 75 m/hr intensity with operating pressure of 0.060Kilogramper sq cm. of Head with discharge capacity ranging from 10 to 180 lit/min including all necessary accessories like coupler,bends,PVC valve,etc fixing with Bombay nails of required length etc. complete with inlet size of 90 mm to 110 mm diameter from rooftop pipe with drain outlet of 90 mm to 110 mm diameter size with clean water outlet of 62 mm to 90 mm diameter size including fitting and fixing excluding inlet and outlet piping etc complete as per the direction by engineer in charge(L-100 for the catchment up to 110 sq.m. system size 90 mm diameter inlet, 63 mm diameter clean water outlet, 90 mm diameter drain outlet (filter,in tee,door bend, valve 63mm)(SSR-2022-23 SSR No -51.228a 410)	38	NOS	**7563.15**	**287399.7**	8077	306926
ITEM NO :- 79 Providing & Fixing Hand Dryer, of Following SpecificationMATERIAL : STAINLESS STEEL (304G) POWER : 1800W MOTOR TYPE : CARBON BRUSH MOTOR POWER SUPPLY : 220V 50HZ NOISE LEVEL : 75 DB AIR SPEED : 95M/S DRYING TIME : <10SEC RPM : 25000 WATERPROOF RATE : IPX1 DIMENSION : 295*171*325 MM (Market rate)	156	NOS	**9652**	**1505712**	10308	1608048
ITEM NO :- 80 Supply of Urinal Flushing Automation Systems (Pot Senser) Battery operated With IR Senser with solenoied valves Extra heavy Duty. Hindware/ Polished Chrome Brass Integrated Senser for Ceramic Urinal Pots. Easily Replaceable in any Brand Urinal Sensing Range Adjustable(500mm) Touchfree Infra-Red Senser, Easily Serviceable 15mm inlet outlet orifice Flush Time 7-8	148	NOS	**3650**	**540200**	3898	576804

Seconds Postflush Lenth 80mm Width 50mm (Senser "I" Lenth 36mm Width 13mm) (Market Rate)						
ITEM NO :- 81 Bosch Advanced Aquatak 160 High Pressure Washer, Flow Rate: 570 L/hr Cable Length: 5m Machine Weight: 23.4kg, Maximum Temp: 40 Degree.C Motor Power: 2600 W Nozzle: Variable HP Foam Nozzle Part Number: 0668A7810 Brand: Bosch Pump Type: 4-Cylinder Quad Pressure: 160 Bar Flow Rate: 570 Liter/h Hose Length: 8m / PVC Application Area: Professional Work / Car / Truck Model Name/ Number: Advanced Aquatak 160 (Market rate)	38	NOS	**29500**	**1121000**	31506	1197228
ITEM NO :- 82 Supply & Installation of 3d Round Acrylic Acp Sign Board, For Advertisement, Heavy having Specification as follows LETTER - 3MM 040 acrylic letter with BMZ led (2)ear Warrenty) & BMZ Power supply (1)year Warrenty)) MIRA BHAYANDER MUNCIPAL BOARD - 4mm ACP SHEET With aluminium pipe Frame with CladdingExtra Support MS Frame & Angle Charges (Market Rate)	114	Sqm	**11513.2**	**1312504.8**	12296	1401744
ITEM NO :- 83 Supply of Automatic Sanitary Vending machine Nepkin Capacity:50 nos.,With 5 Rs. Coins Acceptable Dimension: 21"x6"x17.5"(LxBxH) Weight 15 kg. Wall Mounted Supply of Automatic Sanitary Vending machine one y ear warrenty (Market rate)	38	NOS	**4800**	**182400**	5126	194788
ITEM NO :- 84 Providing and fixing European type white glazed earthenware water closet pan with UPVC seat and lid with chromium plated brass hinges and rubber buffers including UPVC and vent pipe up to the outside face of wall 10 litre enameled low level flushing cistern with fittings pipe stop tap brackets for fixing cistern 32 mm dia UPVC flush pipe with fittings and clamps ,20 mm dia UPVC overflow pipe ,mosquito proof couplings G.I. chain and pulley,with water Jet and fitting including cutting and making good to the walls and floors testing etc. complete.(prior approval of sample and brand by Ex. Engineer is necessary before use)(SSR-2022-23 SSR No.-43.19 - 289)	38	NUM	**12175.8**	**462680.4**	13004	494152
first floor						
second floor						
ITEM NO :- 85 Providing and fixing chromium plated towel rod 16 mm dia and 75 cm. in length including all accessories complete (SSR-2022-23 SSR No.-42.31 - 277)	351	NOS	**313.95**	**110196.45**	335	117585
first floor	406	NOS	**317.09**	**128738.54**	339	137634
ITEM NO :- 86 Supplying Rectangular/ Triagular Yellow Caution Wet Floor Sign Board of PVC material (Market rate)	190	NOS	**120**	**22800**	128	24320
ITEM NO :- 87 Providing and Installation of Stainless	143	NOS	**3000**	**429000**	3204	458172

Steel Urinals of size 21x14" of Grade 304 with One year Gaurantee (Market rate)						
ITEM NO :- 88 Providing detailed reports of the inspection logging of drilled hole by observing visual description of data as per depth, thicknessof layer, typeof sample,wash sample, bore recovery type of drill etc. complete..(SSR-2022-23 SSR No.-1.56 / 20)	38	NOS	**10164**	**386232**	10855	412490
ITEM NO :- 89 Providing detailed geological reports of proposed site by maintaining geotechnical investigation of structure stratification collecting soil, rock and groundwater samples for laboratory tests to arrive the foundation design parameters. Rock properties suchas type of rock, jointing fractures, etc. complete with suggestion about the item foundation and remedies (SSR-2022-23 SSR No.-1.57 / 20)	38	Per Report	**40656**	**1544928**	43421	1649998
ITEM NO :- 90 Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticizedPVC mediumwell-casing pipeof 150mmdia. conformingto IS.12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per the direction of Engineer in charge (SSR-2022-23 SSR No.-48.49 / 318)	1140	Rmt	**518.7**	**591318**	554	631560
ELECTRICAL SYSTEM						
ITEM NO-91 Point wiring for light/bell concealed type in min 20 mm ERLS grade HMS PVC conduit with 1.5 sq mm (2+1E) FRLSH grade copper wires, modular type switch, earthing and required accessories as per specification No: WGPW/CW (PWD ELECTRICALS SSR / CSR No.: 1-7-5 / Page No: 11)	604	Point	**781**	**471724**	834	503736
ITEM NO-92 Point wiring for ceiling fan concealed type in min 20 mm ERLS grade HMS PVC conduit with 1.5 sq mm (2+1E) FRLSH grade copper wires, modular type switch, earthing and required accessories as per specification No: WGPW/CW (PWD ELECTRICALS SSR / CSR No.: 1-7-6 (NEW) / Page No: 12)	87	Point	**867**	**75429**	926	80562
ITEM NO-93 Point wiring for independent plug, concealed type in min 20 mm ERLS grade HMS PVC conduit with 1.5 sq mm (2+1E) FRLSH grade copper wires, modular type switch, earthing and required accessories as per specification No WG-PW/SW (PWD ELECTRICALS SSR / CSR No.: 1-7-7 / Page No: 12)	420	Point	**888**	**372960**	948	398160
ITEM NO-94 Supplying and installing LSZH sheathed HDPE insulated copper cat-6A cable suitable for networking compliant with ANSI/TIA-568.2-D standards in provided conduit/casing-n-capping as per specification no. WG-ELVC/NC (PWD ELECTRICALS SSR / CSR No.: 19-3-4 / Page No: 278)	22365	Meter	**85**	**1901025**	91	2035215

ITEM NO-95 Point wiring for light/bell/exhaust fan in 20 mm FRLS grade HMS PVC conduit with 1.5 sq mm (2+1E) FRLSH grade copper wire, modular type switch, earthing and required accessories as per specification No: WGPW/SW (PWD ELECTRICALS SSR / CSR No.: 1-7-11 / Page No. 12)	716	Point	**742**	**531272**	792	567072
ITEM NO-96 Supplying and erecting LED square / circular Max. 25 W down lighter/ Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 2750 Lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs. at L70B50, including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with 3 years warranty (PWD ELECTRICALS SSR / CSR No.: 2-1-6 / Page No. 15)	447	No.	**1945**	**869415**	2077	928419
ITEM NO-97 Supplying and erecting regular/ standard model ceiling fan of 1400mm. Sweep complete erected in position as per specification no. FG-FN/CF (PWD ELECTRICALS SSR / CSR No.: 2-9-3 / Page No. 25)	74	No.	**2107**	**155918**	2250	166500
ITEM NO-98 Supplying & erecting 20 SWG G.I sheet metal cowl rectangular /round shaped with 25 x 25x 3 (mm) angle iron frame, metal mesh to avoid birds entry with necessary material, suitable for exhaust fan of 450 mm as per specification no FGFAS/MSC (PWD ELECTRICALS SSR / CSR No.: 2-10-19 / Page No. 28)	714	No.	**1475**	**1053150**	1575	1124550
ITEM NO-99 Supplying and erecting integrated LED flood light fitting Max. 70W IP65 & IK07 class having pressure die-cast aluminium housing, having system lumens output of Min. 8400 Lumens, min. efficacy of 120 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-270V, inbuilt surge protection of 4 kV, Life class of 50,000 Hrs. at L70B50, including driver with U shaped bracket with 3 Years warranty as per specification No FG-ODF/SL. (PWD ELECTRICALS SSR / CSR No.: 2-3-14 / Page No. 21)	539	No.	**6394**	**3446366**	6829	3680831
ITEM NO-100 Supplying and erecting integrated LED Bollard Cylindrical Cubical shaped 800mm 8W IP65 & IK10 class having extrusion aluminium housing with polycarbonate diffuser, having system lumens output of Min. 800 Lumens, min. efficacy of 100 lumen/W, CRI>80, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-240V, inbuilt surge protection of 2 kV, Life class of	154	No.	**6834**	**1052436**	7299	1124046

25,000 Hrs. at L50B50, including driver complete with 2 Year warranty as per specification No FG-ODF/TLS2 (PWD ELECTRICALS SSR / CSR No.: 2-3-20 / Page No. 22)						
ITEM NO-101 Supplying and erecting integrated LED street light fitting 70-75W IP65 & IK08 class having single piece pressure die-cast aluminium housing, having system lumens output of Min. 7700 Lumens, min. efficacy of 110 lumen/W, CRI>70, CCT upto 6500K,THD<10%, p.f. >0.95, operating range of 140-270V, inbuilt surge protection of 10 kV, Life class of 50,000 Hrs. at L70B50, including driver complete with 3 Years warranty as per specification No FG-ODF/TLS2. (PWD ELECTRICALS SSR / CSR No.: 2-3-6 / Page No. 20)	154	No.	**5753**	**885962**	6144	946176
ITEM NO-102 Providing & erecting 4 m high (clear height) galvanised octagonal pole with foundation bolts having bottom of 130 mm A/F, top 70 mm A/F on provided foundation as per specification no. OH-PL/OPL (PWD ELECTRICALS SSR / CSR No.: 8-2-10 / Page No. 130)	162	No.	**11743**	**1902366**	12542	2031804
ITEM NO-103 Providing and erecting galvanised 1000mm single arm sword type bracket with FRP dome and ball as per specification no. OH-PL/BKT (PWD ELECTRICALS SSR / CSR No.: 8-2-19 / Page No. 131)	153	No.	**2710**	**414630**	2894	442782
ITEM NO-104 Providing pipe type earthing with 40mm. dia. G.I. pipe or 20 mm dia. G.I. Rod complete with all materials testing and recording the results as per specification no. EA-EP (CSR No.: 9-1-4 / Page No. 140)	76	Each	**1537**	**116812**	1642	124792
ITEM NO-105 Supplying and erecting GI strip of required size used for earthing on wall and/or any other purpose with necessary GI clamps fixed on wall painted with bituminous paint in an approved manner with joints required as per specification no EA-EP (CSR No.: 9-2-3 / Page No. 140)	410	Kg.	**236**	**96760**	252	103320
ITEM NO-106 Supplying and erecting GI earth conductor of required sizes used for earthing or any other purposes on wall with necessary GI clamps fixed on wall/cable/ conduit with screws complete. (CSR No.: 9-2-5 / Page No. 140)	410	Kg.	**168**	**68880**	179	73390
ITEM NO-107 Supplying & erecting triple pole and neutral distribution board (TPNDB), SPMCB of 4 ways/phase (12 poles), with door, 1.2mm thickness, surface / flush mounted, IP 43 protection on iron / GI frame (horizontal busbar type) as per specification no. SW-SWR/MCBDB (CSR No. 5-4-1 / Page No. 77)	76	Each	**2391**	**181716**	2554	194104

ITEM NO-108 Supplying, erecting & marking DPMCB 6 A to 32 A, B-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-SWR/MCB (CSR No. 5-3-7 / Page No. 76)	108	Each	**510**	**55080**	545	58860
ITEM NO-109 Supplying, erecting & marking FPMCB 40A to 63A, with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-SWR/MCB(CSR No. 5-3-13 / Page No. 76)	108	Each	**1329**	**143532**	1419	153252
ITEM NO-110 Supplying and erecting metal work in CRCA sheet including Iron work for supports with fabrication of boxes, panel boards, etc. including cutting, bending, drilling, welding, riveting, treated with anti-rust treatment and duly powder coated or painted with one coat of red lead paint and 2 coats of enamel paint complete. (CSR No. 6-1-1 / Page No. 89)	955	Kg.	**261**	**249255**	279	266445
ITEM NO-111 Supplying and erecting bus bar chamber triple pole with neutral with four aluminium bars, 500V 300A having 40mm (Width) X 5 mm (Thickness), with 99.9 % aluminium purity as per E91E Grade & Current Density 0.8 A per sq. mm. compliance to IS 5082 and enclosure fabricated with 16 SWG CRCA sheet and epoxy paint, with suitable number of ways and with SMC/DMC Insulators and accessories of suitable rating complete as per specification no. CPBB (CSR No. 6-2-3 / Page No. 91)	108	Meter	**7211**	**778788**	7701	831708
ITEM NO-112 Supplying and erecting panel mounting type digital ammeter having three and half digit LED display, external CT operated, calibrated for suitable to operate on 500V, 0 to 1000A having accuracy class of 0.5, AC supply with necessary PVC wire leads and lugs and mounting hardware on provided panel complete with calibration certificate from manufacturer. (CSR No. 6-5-7 / Page No. 99)	38	Each	**2135**	**81130**	2280	86640
ITEM NO-113 Supplying and erecting panel mounting type digital voltmeter having three and half digit LED display, calibrated for 0 to 750V AC suitable to operate on 500V having accuracy class of 0.5 ,AC supply with necessary PVC wire leads and lugs and mounting hardware on provided panel complete with calibration certificate from manufacturer. (CSR No. 6-5-8 / Page No. 99)	38	Each	**1719**	**65322**	1836	69768
ITEM NO-114 Supplying and erecting self-locking arrangement with keys in duplicate, made of brass of grade I compliance to IS 729-1979 duly erected, flush with surface of panel / cupboard (CSR No. 6-1-20 / Page No. 90)	76	Each	**300**	**22800**	320	24320

ITEM NO-115 Supplying and erecting LT current transformer with bar primary 50-5 to 1000-5 ratio with 15 VA burden erected in provided CRCA box duly secured with insulating materials connected to the meter with test certificates. (CSR No. 6-7-2 / Page No. 125)	108	Each	**1175**	**126900**	1255	135540
ITEM NO-116 Supplying & erecting LED type indicating pilot lamp with LED colours red / yellow / green, 230 / 250V on provided box / panel with necessary material, wiring & connections etc. (CSR No. 6-7-5 / Page No. 126)	108	Each	**362**	**39096**	387	41796
ITEM NO-117 Supplying & erecting LED type indicating pilot lamp with LED colour blue, 230 / 250 V on provided box / panel with necessary material, wiring & connections etc. (CSR No. 6-7-6 / Page No. 126)	38	Each	**421**	**15998**	450	17100
ITEM NO-118 Supplying, erecting & marking SPMCB 0.5A to 5A, C-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-SWR/MCB (CSR No. 5-3-1 / Page No. 100)	38	Each	**250**	**9500**	267	10146
ITEM NO-119 Providing & erecting 3 Pole MCCB 415V, 400A, rated short-circuit breaking capacity 36 kA (Ics=100% of Icu), adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/ UV/ trip alarm contact and MCCB should have phase barriers both sides, with insulation withstand capacity 800V, no line-load bias in provided enclosure / panel as per specification no. SW-SWR/MCCB (CSR No. 5-5-6 / Page No. 103)	50	Each	**20209**	**1010450**	21583	1079150
ITEM NO-120 Providing & erecting 3 Pole MCCB, 415V, 200A, rated short-circuit breaking capacity 25 kA (Ics=100% of Icu), adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact and MCCB should have phase barriers both sides, with insulation withstand capacity 800V, no line-load bias in provided enclosure / panel as per specification no. SW-SWR/MCCB (CSR No. 5-5-3 / Page No. 103)	76	Each	**11092**	**842992**	11846	900296
ITEM NO-121 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 10 sq. mm. aluminium conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/AL (CSR No.: 7-1-28 / Page No. 139)	1117	Meter	**183**	**204411**	195	217815
ITEM NO-122 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 3 core 2.5 sq. mm. aluminium conductor complete erected with glands & lugs, on	892	Meter	**118**	**105256**	126	112392

wall/ trusses pole or laid in provided trench/ pipe as per specification no. CB-LT/AL (CSR No.: 7-1-7 / Page No. 137)						
ITEM NO-123 Supplying & erecting single compression type brass cable glands for 3 to 4 core 6 sq mm /2 to 4 core 10 sq mm for XLPE armoured cable as per specification No. CB-GL (CSR No.: 7-7-2 / Page No. 153)	892	Each	**93**	**82956**	99	88308
ITEM NO-124 Supplying & erecting single compression type brass cable glands for 2 to 3core 2.5 sq mm /2 to 4 core 4 sq mm /2 core 6 sq mm for XLPE armoured cable as per specification No. CB-GL (CSR No.: 7-7-1 / Page No. 153)	734	Each	**73**	**53582**	78	57252
ITEM NO-125 Supplying & erecting crimping type aluminium lugs for cable up to 16 sq mm complete as per specification No. CB-CT/AL (CSR No.: 7-10-1 / Page No. 155)	582	Each	**11**	**6402**	12	6984
ITEM NO-126 Supplying & erecting Carbon Dioxide (CO_2) fire extinguisher of 4.5 kg. capacity cartridge type conform to IS 2878 /15683 complete erected with necessary clamp made from 50 x 6 mm. M. S. flat with nut & bolts routed in wall complete. (Item No. 13-14-1 / Page No. 246)	111	Each	**9943**	**1103673**	10619	1178709
ITEM NO-127 Supplying & erecting minimum three & above star rated Centrifugal water pump (Monoblock), 415 V, three phase 50 cycles A.C. supply of 22.5 KW/30 HP with discharge 1700/400 Litres per Minute (LPM) for head of 48/69 m and 100mm suction/ 80mm delivery pipe of size, on provided C.C. foundation as per specification No. WP-CGP (PWD ELECTRICALS SSR / CSR No.: 12-1-16 / Page No. 213)	38	No.	**119895**	**4556010**	128048	4865824
ITEM NO-128 Supplying and fixing 42 U floor mount server rack (Dimension -DxWxH - 800x1000x2070 mm) as per specification No. WG-NAS/RAK (PWD ELECTRICALS SSR / CSR No.: 19-5-30 / Page No. 28)	112	No.	**81432**	**9120384**	86969	9740528
ITEM NO-129 Supplying, fixing, and configuring 24 ports with 4 (SFP+) port, ethernet managed switch with web view/CLI, 6KV surge protection on ethernet port and console port for management in provided rack as per specification no. WGNWC/GBS (PWD ELECTRICALS SSR / CSR No.: 19-4-8 (New) / Page No. 25)	38	No.	**41675**	**1583650**	44509	1691342
ITEM NO-130 Supplying & erecting 8 TB internal Surveillance HDD suitable for SATA Port of NVR, interface transfer rate 6 GB/S, maximum sustained transfer rate 210 MB/Sec to 213 MB/S. Drive bay supported 08+, Cameras supported up to 64, Cache (MB) 256, Load/Unload Cycle -3000000, Work Load Rating per Year 180TB, MTBF 1000000 Hrs. HTTPS RoHS, UL, CE certified, duly erected in position in provided NVR as per specification no. CCTV-HDD (PWD	114	No.	**23722**	**2704308**	25335	2888190

ELECTRICALS SSR / CSR No.: 19-6-21 / Page No: 296)						
ITEM NO-131 Supplying & erecting of High definition 2 Megapixel IP IR Dome Camera with following features Image Sensor : minimum 1/2.8" Progressive Scan CMOS, Video Resolution : minimum 1920 x 1080 Video Compression : H.264, H.265 or higher, at least Three individually configurable stream, Frame rate : minimum 25 fps at all resolutions, WDR : minimum 120 dB Wide Dynamic Range, ONVIF profile conformant, minimum IR distance - 30m, Lens Type : 2.8/4/6 mm Lens, fixed focal, Field of View : 2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65°Lux sensitivity - minimum 0.2 Lux at color, minimum 0.05 Lux at Black & White, 0.0 Lux (IR) Night Vision Distance minimum IR - 30m, Camera minimum Adjustment Angles - Pan : 350°, Tilt : 72°, Rotate : 350°, Power Supply : Support 12VDC & PoE, IP67, IK10 - Vandal Resistant, Built in micro SD/SDHC/SDXC card slot of minimum 128 GB, Built in microphone, minimum Input/Output - Audio in - 1, Audio Out - 1, Alarm in - 1, Alarm Out - 1, Image Settings : Rotate mode, saturation, brightness, contrast, sharpness, gain,white balance, Image Enhancements : Day/Night-Auto (ICR)/Color/Black & White, 3D Digital Noise Reduction, Automatic White Balance, Automatic Gain Control, BacklightCompensation, Highlight Compensation, Events : Privacy Masking, Motion detection, Scene change detection, Face capture, Video tampering, audio exception detection, Region entrance detection, Region exiting detection, Operating temperature (-30 to 60° C), Security - User account and password protection, HTTPS, IP filter, IEEE 802.1X, digest authentication, user access log, TLS1.2, AES - 256, SSH Telnet closed, FTP disabled, Protocol - DHCP, UDP, HTTP, HTTPS, NTP, DNS, RTP, RTSP, SMTP, SSL/TLS, TCP/IP, Secure Real-Time Transport Protocol (SRTP), Bonjour, SNMP and Secure shell (SSH) supported protocol, RoHS, WEEE, ISO-14001 and REACH compliant, UL/EN OR equivalent BIS/TEC/TSTQC or any indian standards as applicable, CE, FCC certified, duly erected in position on wall ceiling false ceiling provided pole (mounting height not more than 5 meter) etc with all accessories etc complete as per specification no. CCTV-CAM.	76	No.	**7854**	**596904**	8388	637488
ITEM NO-132 Supplying & erecting of High definition 2 Megapixel IP IR Bullet Camera with following features : Image Sensor : minimum 1/2.8" Progressive Scan CMOS, Video Resolution : minimum 1920 x 1080 Video Compression : H.264,	93	No.	**7917**	**736281**	8455	786315

H.265 or higher, at least three individually configurable stream, Frame rate : minimum 25 fps at all resolutions, WDR : minimum 120 dB Wide Dynamic Range, ONVIF profile conformant, minimum IR distance : 30m, Lens Type : 2.8/4.6 mm Lens, fixed focal, Field of View : 2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65° Lux sensitivity - minimum 0.2 Lux at color, minimum 0.05 Lux at Black & White, 0.0 Lux (IR) Night Vision Distance minimum IR - 30m, Camera minimum Adjustment Angles - Pan : 350°, Tilt : 72°, Rotate : 350°, Power Supply : Support 12VDC & PoE, IP67, IK10 - Vandal Resistant, Built in micro SD SDHC SDXC card slot of minimum 128 GB, Built in microphone minimum Input/Output - Audio in - 1, Audio Out - 1, Alarm in - 1, Alarm Out - 1, Image Settings : Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, Image Enhancements : Day/Night-Auto (ICR) Color Black & White, 3D Digital Noise Reduction, Automatic White Balance, Automatic Gain Control, Backlight Compensation, Highlight Compensation Events : Privacy Masking, Motion detection, Scene change detection, Face capture, Video tampering, audio exception detection, Region entrance detection, Region exiting detection, Operating temperature (-30 to 60° C), Security - User account and password protection, HTTPS, IP filter, IEEE 802.1X, digest authentication, user access log, TLS1.2, AES - 256, SSH/Telnet closed, FTP disabled, Protocol - DHCP, UDP, HTTP, HTTPS, NTP, DNS, RTP, RTSP, SMTP, SSL/TLS, TCP/IP, Secure Real-Time Transport Protocol (SRTP), Bonjour, SNMP and Secure shell (SSH) supported protocol, RoHS, WEEE, ISO-14001 and REACH compliant, UL/EN OR equivalent BIS/TECH/STQC or any indian standards as applicable, CE, FCC certified, duly erected in position on wall/ceeling/false ceiling/provided pole (mounting height not more than 5 meter) etc with all accessories etc complete as per specification no.CCTV-CAM						
ITEM NO-133 Supplying, installing, testing and commissioning of 3 kWp ON-GRID Solar pV System / Plant consisting solar PV poly crystalline panel (335 Wp X 09 Nos) and Solar ON GRID Inverter of similar capacity (HHD- 3Kw) with interconnecting wires / cables up to solar ON GRID inverter, proper base plate,	38	Nos	**164159**	**6238042**	175322	6662236

canopy box to house Inverter and necessary accessories i.e. ACDB/ DCDB , MCB etc. wiring up to solar Inverter in casing and capping, display board, sign board, two distinct earthing, lightning arrester, liasoning charges, remote monitoring system with maintaining card / chip for 5 years including net charges for RMS system, complete upto net meter installation and export to the grid with 5 year ON-SITE warranty and fully comprehensive maintenance contract as per specification no. ESD-RT-ONG						
ITEM NO-134 Supplying and installation of solar PV module cleaning unit consisting of nozzles spray, necessary pipes, valves, post, electronic panel board concealed with weather proof cabinet, spreading water periodically for removal of dust, related motor pump, controller, timer and nozzles set suitable for covering 5 kWp Solar PV Module. (Approx. 35 Sq. Mtr. PV Module area)	38	No.	23985	911430	25616	973408

वरील कामी **मे. देव इंजिनिअर्स** यांनी **वरील दराची** (रु.38,25,15,784/-) निविदा सादर केल्या आहेत. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. महाराष्ट्र शासन, शासन निर्णय क्रमांक :- मनपा-2024/प्र.क्र.221/नवि-16 (ई-815728)दि.05 सप्टेंबर 2024 अन्वये सदर कामास तत्वत: मान्यता देऊन सदर कामासाठी रु.2.00 कोटी रक्कम मंजुर केल्याने रु.2.00 कोटीच्या मर्यादेत काम करणे आवश्यक आहे. पुढील काम टप्प्याटप्प्याने निधी मंजुर झाल्यानंतर करावयाचे आहे. त्यानुसार निधी उपलब्धतेप्रमाणे टप्प्याटप्प्याने कार्यादेश देण्यात येतील.

नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार मान्यता देण्यास शिफारस आहे.

(दिपक खांबित)
शहर अभियंता
भिरा-भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव दिनांक 05/02/ 2025

प्रकरण क्र. (823) :- निविदेस मान्यता देणेबाबत.

ठराव क्र. (823)

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव
1	2	3	4	5
1.	1126259_1	मिरा भाईंदर महानगरपालिका क्षेत्रात सर्व शौचालयांचे आधुनिकीकरण करुन नवीन बांधणे. (मुलभुत सोई सुविधाचा विकास)	₹.38,87,46,729/-	मे. देव इंजिनिअर्स मे. गजानन कस्ट्रक्शन

Item Description	Qty	Unit	M/s. Dev Engineers		M/s. Gajanan Construction	
			Rate	Amount	Rate	Amount
ITEM NO :-01 Dismantling brick masonry in lime or cement mortar and stacking the materils as directed with all leads, lifts etc. (SSR-2022-23 SSR No.-46.09/296)	2780.91	Cu.Mt	**351.75**	**978185.093**	376	1045622.16
ITEM NO :-02 Excavation for foundation in earth, soils of all types, sand,gravel and soft murum,including removing the excavated material upto a distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring andstrutting etc. complete. (Lift from 1.5m to 3.0m) By Manual Means (SSR-2022-23 SSR No.-21.03.153)	1363.63	Cu.Mt	**329.70**	**449588.811**	352	479997.76
ITEM NO :-03 Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.50 m) By Mechanical Means(SSR-2022-23 SSR No.-21.06.153)	3166.6	Cu.Mt	**238.4**	**754759.11**	255	807483
ITEM NO :-04 Removing rich mix cement concrete including stacking the spoils as directed with all leads, lifts etc. complete(SSR-2022-23 SSR No.-46.13.296)	2627.2	Cu.Mt	**976.5**	**2565460.8**	1043	2740169.6
ITEM NO :-05 Transportation of the Excavated Material Upto 20KM -Statement C1 SSR 2022-23	6635.2	Cu.Mt	**468.4**	**3107728.62**	500	3317600
ITEM NO :-06 Filling in plinth and floors with approved excavated material in 15cm. to 20cm.Layers including watering and	3303.2	Cu.Mt	**126.0**	**416203.2**	135	445932

compacting etc. complete (SSR-2022-23 SSR No.-21.36/157)						
ITEM NO :-07 Filling in plinth and floors with contractors material brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete (SSR-2022-23 SSR No.-21.37/157)	380.0	Cu.Mt	**1212.6**	**460784.2**	1295	492100
ITEM NO :-08 Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete (SSR-2022-23 SSR No.-21.38/157)	860.6	Cu.Mt	**3240.4**	**2788705.45**	3461	2978536.6
ITEM NO :-09 Providing and laying Cast in situ Ready Mix cement concrete in M15 of trap/ granite/quartzite/gneiss metal for bed blocks, foundation blocks and such other items including bailing out water, Steel centering, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.), with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)(SSR-2022-23 SSR No.-24.08/176)	669.8	Cu.Mt	**8011.8**	**5366276.85**	8557	5731478.6
ITEM NO :-10 Providing and laying Cast in situ Ready Mix cement concrete M-25 of trap /granite/quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. includingbailing out water, Steel centering, formwork ,cover blocks, laying pumping,compaction and curing roughening the surface if special finish is to be provided(Excluding reinforcement and structural steel) etc. complete, with fully automatic microprocessor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batchmix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)(SSR-2022-23 SSR No.-25.13/178)	668.9	Cu.Mt	**8937.4**	**5978233.55**	9545	6384650.5
ITEM NO :-11 Providing and laying Cast in situ Ready Mix cement concrete M-25 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be	196.22	Cu.Mt	**15951.41**	**3129985.67**	17036	3342803.92

structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)(SSR-2022-23 SSR No.-25.33/180)						
first floor	123.03	Cu.Mt	**16110.93**	**1982127.72**	17206	2116854.18
second floor	113.55	Cu.Mt	**16270.44**	**1847508.46**	17377	1973158.35
terrace floor	7.94	Cu.Mt	**16429.95**	**130453.803**	17547	139323.18
ITEM NO :-12 Providing and laying Cast in situ Ready Mix cement concrete in M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying pumping,compactionand roughening the surface if special finish is to be provided and curing etc. complete (Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc complete. With fine aggregate (Crushed sand VSI Grade)(SSR-2022-23 SSR No.-25.52/181)	178.78	Cu.Mt	**14360.66**	**2567398.79**	15337	2741948.86
first floor	164.09	Cu.Mt	**14504.27**	**2380005.66**	15491	2541918.19
second floor	119.33	Cu.Mt	**14647.87**	**1747930.33**	15644	1866798.52
terrace floor	117.43	Cu.Mt	**14791.48**	**1736963.5**	15797	1855041.71
ITEM NO :-13 Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including steel centering, formwork, cover blocks, laying pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)(SSR-2022-23 SSR No.-25.72/182)	237.87109	Cu.Mt	**16107.86**	**3831594.22**	17203	4092096.36
first floor	254.12	Cu.Mt	**16268.94**	**4134263.03**	17375	4415335
second floor	235.86	Cu.Mt	**16430.02**	**3875184.52**	17547	4138635.42
terrace floor	216.19	Cu.Mt	**16591.10**	**3586829.91**	17719	3830670.61
ITEM NO :-14 Providing and laying Cast in situ Ready Mix cement concrete in M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. patch of required thickness including steel centering, formwork, cover blocks, laying pumping, compacting and roughening them if special finish is to be provided and curing complete (Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA	355.18	Cu.Mt	**17823.56**	**6330572.04**	19036	6761206.48

enabled reversible Drum Type mixer concrete Batch mix plant (Pan mixer) etc complete. With fine aggregate (Crushed sand VSI Grade)(SSR-2022-23 SSR No.-26.19/185)						
First Floor	2.06	Cu.Mt	**18001.8**	**37083.708**	19226	39605.56
second floor						
terrace floor	124	Cu.Mt	**18358.27**	**2276425.48**	19607	2431268
ITEM NO :-15 Providing and laying Cast in situ Ready Mixcement concrete M-25 of trap granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including steel centering, formwork, cover blocks, laying pumping, compacting and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)(SSR-2022-23 SSR No.-26.07/184)	33.00105	Cu.Mt	**16107.86**	**531576.293**	17203	567717.063
first floor	28.81764375	Cu.Mt	**16268.94**	**468832.517**	17375	500706.56
second floor	16.78415625	Cu.Mt	**16430.02**	**275764.023**	17547	294511.59
ITEM NO :-16 Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules, including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete (SSR-2022-23 SSR No.-26.33/188)	196.64	MT	**94188.15**	**18521157.8**	100593	19780607.5
first floor	67.06	MT	**95130.03**	**6379419.81**	101599	6813228.94
second floor	56.3	MT	**96071.91**	**5408848.53**	102605	5776661.5
terrace floor	29.8	MT	**97013.79**	**2891010.94**	103611	3087607.8
ITEM NO :-17 Providing and laying damp proof course 50 mm thick in M20 cement concrete layer and bitumen / using cement with waterproofing compound curing, formwork etc.complete(SSR-2022-23 SSR No.-31.01/205)	209.06	Sqm	**453.6**	**94829.616**	484	101185.04
ITEM NO :-18 Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls including bailing out water manually , striking joints on un exposed faces and watering etc.complete (SSR-2022-23 SSR No.-28.01/199)	380	Cu.Mt	**7320.81**	**2781907.8**	7819	2971220
ITEM NO :-19 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete(SSR-2022-23 SSR No.-27.05/197)	669.3	Cu.Mt	**10027.15**	**6711171.5**	10709	7167533.7
first floor	440.68	Cu.Mt	**10127.43**	**4462955.85**	10816	4766394.88
second floor	463.77	Cu.Mt	**10227.70**	**4743300.43**	10923	5065759.71

ITEM NO :-20 Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc complete.(SSR-2022-23 SSR No.- 32.11/209)	2871.23	Sq.Mt	**700.64**	**2011698.59**	748	2147680.04
first floor	2798.44	Sq.Mt	**707.65**	**1980316.07**	756	2115620.64
second floor	3697.98	Sq.Mt	**714.65**	**2642761.41**	763	2821558.74
ITEM NO :-21 Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete. (SSR-2022-23 SSR No.-32.04/209)	1449.82	Sqm	**305.40**	**442775.028**	326	472641.32
first floor	1501.719	Sqm	**308.45**	**463205.226**	329	494065.551
second floor	3656.22	Sqm	**311.5**	**1138912.53**	333	1217521.26
ITEM NO :-22 Providing and applying priming coat on concrete/ masonary/ Asbestos Cement plastered surfaces including scaffolding if necessary, preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and sand papering as required etc. complete (SSR-2022-23 SSR No.-35.21/225)	2871.23025	Sq.Mt	**37.8**	**108532.503**	40	114849.21
first floor	2798.44	Sq.Mt	**38.18**	**106844.439**	41	114736.04
second floor	3697.977	Sq.Mt	**38.56**	**142593.993**	41	151617.057
ITEM NO :-23 Providing and applying plastic emulsion paint of approved quality, colour and shade to old and new surfaces in two coats including scaffolding, preparing the surface. (excluding the primer coat)etc. complete.(SSR-2022-23 SSR No.- 36.12/227)	1528.7355	Sq.Mt	**84**	**128413.782**	90	137586.195
first floor	1462.4625	Sq.Mt	**84.84**	**124075.319**	91	133084.088
second floor	3538.05	Sq.Mt	**85.68**	**303140.124**	92	325500.6
ITEM NO :-24 Providing and applying two coats of exterior weather shield paint of approved manufacture and of approved colour to the plastered surfaces including cleaning ,preparing the plaster surface ,applying primer coat ,scaffolding if necessary, and watering the surface for two days etc complete.NOTE: For Item No. 15 to 18 prior approval of Superintending Engineer will be necessary (SSR-2022-23 SSR No.-35.26/225)	2871.23025	Sq.Mt	**309.75**	**889363.57**	331	950377.213
first floor	2798.44	Sq.Mt	**312.85**	**875491.954**	334	934678.96
second floor	3697.977	Sq.Mt	**315.95**	**1168375.83**	337	1246218.25
ITEM NO :-25 Providing and fixing false ceiling of 10 to 12 mm thick decorative boards of fibrous plaster of paris including scaffolding if necessary all architectural work like mouldings,cornices, coves, domes, cups as per detailed drawings and three coats of spray painting to boards						

etc. complete. (excluding frame work, runners and mild steel suspenders)(SSR-2022-23 SSR No.-38.17.235)						
first floor	1465.00	Sq.Mt	**1277.90**	**1872123.5**	1365	1999725
second floor	1338.40	Sq.Mt	**1290.56**	**1727285.5**	1378	1844315.2
ITEM NO :-26 Providing,supplying,fabricating and fixing panel of aluminium composite panel cladding in approved shape made out of 4 mm thick ACP sheet material consisting of 3mm thick FR grade mineral core following NBC part IV Fire and life safety (having 2 hours fire resistance in accordance to ASTM E 119-12 and BS476 part 6 and 7 class O) sandwitched between two aluminium sheets (each 0.5 mm thick of AA 5005/AA3105 grade) The aluminium composite panel cladding sheet shall be coil coated with kynar 500 based PVDF Lumiflon based fluropolymer resin (having 70:30 ratio of PVDF and acrylic coating of approved colour and sg-hade on top face and polymer (service) coating of bottom face as specified using stainless steel screws,nuts,bolts,washers,cleats,weather silicon sealent,backer rods etc .overall weight of the ACP shall not be less than 7.5 Kilogram/ One Square Metre.(SSR-2022-23 SSR No.-51.100/378)	2871.23025	Sq.Mt	**4063.5**	**11667244.1**	4340	12461139.3
first floor	2798.44	Sq.Mt	**4104.14**	**11485189.5**	4383	12265562.5
second floor	3697.977	Sq.Mt	**4144.77**	**15327264.1**	4427	16370944.2
ITEM NO :-27 Providing and laying Antiskid Ceramic tiles of approved quality of size 30 cm x 30 cm and confirming to IS 15622-2006 (Group-B IIA) for antiskid flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with cement slurry cleaning curing etc. complete(SSR-2022-23 SSR No.-33.67.220)						
ITEM NO :-28 Providing and laying vitrified mirror / glossy finish tiles decorative type having size 590 mm to 605 mm x 590 mm to 605 mm of 8 to 10 mm thickness and confirming to IS: 15622-2006 (group BIa) of approved make, hade and pattern for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints, curing and clearing etc. complete (SSR-2022-23 SSR No.-33.40.217)						
first floor						
second floor	614.90	Sq.Mt	**1278.92**	**786407.908**	1366	839953.4
ITEM NO :-29 Providing and laying ceramic tiles of having size 30 cm. x 30 cm. and confirming to corresponding I.S. for dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete (SSR-2022-23 SSR No.-33.25.215)	31.30	Sq.Mt	**1333.04**	**41724.152**	1424	44571.2
first floor						
second floor	17.40	Sq.Mt	**1359.71**	**23658.954**	1452	25264.8

ITEM NO :-30 Providing and laying in position flooring of telephone black / Amba White / Cat hary brown / Ruby red / Ocean Brown granite stone of approved shade and size 18 mm to 20 mm thick on bed 1:6 cement mortar including cement floats striking joints, pointing in C.M. 1:3 curing and cleaning etc. complete (SSR-2022-23 SSR No :-33.34/216)	5026.80	Sq.Mt	**4244.99**	**21338715.7**	4534	22791511.2
first floor	3773.30	Sq.Mt	**4287.44**	**16177797.4**	4579	17277940.7
second floor	317.00	Sq.Mt	**4329.89**	**1372575.13**	4624	1465808
terrace floor						
ITEM NO :-31 Providing and Fixing 30 MM thick BOTH SIDE PRELAMINATED SOLID PANEL PVC DOOR SHUTTER consisting of frame made out of M.S tubes of 19 guage thickness and, size 19 x 19 mm for styles and 15 x15 mm for the top and bottom rails, M.S frame shall have a coat of metel primer of approved make and manufacture. M.S frame shall be covered with heat mouled PVC 'C' channel made from 5 mm (+/0.25) thick prelaminated sheet of density 600 Kilogram cbm ,of size 30mm thickness 70mm width out of which 50mm shall be flat and 20mm shall be tapered in 45° angle on either side forming stiles ; and 5 mm thick ,95 mm wide PVC sheet out of which 75 mm shall be falt and 20 mm shall be tapered in 45 on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be falt and 20 mm shall be tapered on both sides to form lock rail.Top,bottom and lock rail shall be provided either side of the panel. An additional 5 mm (+/0.25) thick PVC strip of 20 mm width is to be stuck on the bottom side of the ' c ' channel prelaminated paneling of 5 mm (+/0.25) thick PVC sheet to be fitted inside the M.S. frame welded/ sealed to the styles and rails with 5 mm (+/0.25) x30 mm PVC sheet beading on either side and joined together with solvent cement adhesive etc ,10 mm thickness (5 mm (+/0.25) x 2 nos) 20 mm wide cross PVC sheet as gap insert for the rail and bottom rail. Door to be fixed to frames with 3 nos M.S powder coated but hinges of size 100 mm x 25MM x 2mm using 32 mm long steel screws drilled suitable to pass through both the walls of the M.S tube. Other hardwares(SSR-2022-23 SSR No.-39.47/255)						
first floor						
second floor						
ITEM NO :-32 Providing and fixing to frames 30 mm thick Fibre Glass Reinforced Plastic (FRP) panelled / extruded profiled door shutter of approved colour, brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places	283.5	Sq.Mt	**2287**	**648364.5**	2443	692590.5

for fixing of fittings, cast monolithically with 5mm thick FRP laminate for panels conforming to IS: 14856 : 2000 etc complete as directed.(MCGM USOR BLDG 2023_R3-CS-PV-02/330)						
first floor	92.4	Sq.Mt	**2309.87**	**213431.988**	2467	227950.8
Second Floor	151.2	Sq.Mt	**2332.74**	**352710.288**	2491	376639.2
ITEM NO :-33 Providing and fixing steel ventilator fully glazed partly fixed as per detailed drawing without hot dip zinc coating including fabricating glazing with plain obscured glass panes 5 mm thick and approved type and quality and iron oxidized fixtures and fastening oil paint 2 coats etc. complete.(SSR-2022-23 SSR No.-39.29/249)	189	Sq.Mt	**3543.75**	**669768.75**	3785	715365
first floor	228.42	Sq.Mt	**3579.19**	**817558.58**	3823	873249.66
ITEM NO :-34 Providing and fixing green marble of 18 to 20 mm thick for door frame, dado window boxing etc. On C.M. 1:6 including filling joints with polymer base filler nosing / moulding the sharp edges wherever necessary, curing, etc. complete.(SSR-2022-23 SSR No.-33.48/218)	341.5	Sq.Mt	**2503.34**	**854890.61**	2674	913171
ITEM NO :-35 Providing and fixing 450mm x 550mm size superior type Belgium mirror with 16mm dia. nickel plated towel rod etc. complete.(SSR-2022-23 SSR No.-42.20/276)	438	NOS	**904.05**	**395973.9**	966	423108
ITEM NO :-36 Providing and fixing M.S. grill door 24 Kilogram/ One Square Metre of various size as per detailed drawings without hot dip coating, iron fixtures and fastenings and 3 coats of oil painting etc(SSR-2022-23 SSR No.-39.31/250)	477	Sq.Mt	**3420.9**	**1631769.3**	3654	1742958
first floor	575.55	Sq.Mt	**3455.11**	**1988588.56**	3690	2123779.5
second floor	359.82	Sq.Mt	**3489.32**	**1255527.12**	3727	1341049.14
ITEM NO :-37 Providing waterproof plaster in W.C. and bath 12 mm thick for dado in cement mortar 1:3 with neat finishing, floating using waterproofing compound at the rate of 1 Kilogram per bag of cement of approved make and manufacturer and curing etc. complete. (Excluding Tiles) (As directed by Engineer in Charge)(SSR-2022-23 SSR No.-31.06/205)	3399.63225	Sq.Mt	**427.94**	**1454838.63**	457	1553631.94
first floor	2315.7377	Sq.Mt	**432.22**	**1000908.15**	462	1069870.82
ITEM NO :-38 Providing and fixing reinforced cement concrete cover of size 90 cm x 45 cm with frame over inspection chamber etc complete. Heavy duty (225 Kilogram)(SSR-2022-23 SSR No.-42.68/281)	76	NOS	**5923.05**	**450151.8**	6326	480776
ITEM NO :-39 Providing and applying water proofing treatment using acrylic polymer modified cement based water proofing coating with fibre glass mesh mixing at the rate of powder to liquid (2:1) by weight covering 9 to 10 Square Metre/ Kilogram	1425.87	Sq.Mt	**652.21**	**929966.673**	697	993831.39

with two coat using approved chemicals for masonry and concrete surface by brush covering 7 years guarantee on Stamp Papers etc. complete. (SSR-2022-2023 SSR No. 31.09/206						
second floor	1338.422	Sq Mt	**658.67**	**881578.419**	703	940910.666
ITEM NO :40 Providing and constructing Brick Masonry Inspection Chamber 60cm x 45cm x 90cm including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W. pipes, Brick Masonry, plastering from inside and airtight C. I. cover of 75Kilogramwith lid and frame fixed in cement concretet(SSR-2022-23 SSR No.-42.10.274)	76	NOS	**16489.93**	**1253234.68**	17611	1338136
ITEM NO :41 Dewatering on BHP basis by using water pump including diversion of stream, providing cofferdams, earthern bunds etc as may be necessary for foundation and other parts of the works and pumping out water during and after excavation as may be required by using 3.0 BHP pump etc. complete. (prior approval of Superintending Engineer will be necessary) (SSR-2022-23 SSR No.-12.22.85)	5700	One Hr	**187.95**	**1071315**	201	1145700
ITEM NO :42 Providing and fixing 900mm high S.S.304 Grade Stainless steel railing with 40mm diameter and 1.5mm thick at top, 40mm diameter and 1.5mm thick vertical supports spaced at 1.5m center to center and 8mm thick toughened glass including fabricating ,fixtures, erecting , necessary welding , grinding , finishing, buffing to stainless steel pipe etc. complete (SSR-2022-23 SSR No.-40.07.264)	217.78	Rmt	**4939.2**	**1075658.98**	5275	1148789.5
ITEM NO :43 Providing and fixing 20 to 25 mm thick rough shahabad box type waterproofing for basement or underground floor on a base of Cement concrete 1:3:6, including sub base of 2.50 centimeter thick Cement mortar 1:3 with conceal, secrete (RMW), Algae proof or other alike waterproofing liquids, raking of joints upto 35 mm depth, filling the joints with 6 mm size crushed metal, hand grouting with cement slurry, curing and cleaning, with 7 years guarantee on court fee stamp of Rs. 100/- with ponding test etc complete (excluding Cement concrete 1:3:6 base concrete) (SSR-2022-23 SSR No.-31.12.206)	296.67535	Sq Mt	**1375.49**	**408073.977**	1469	435816.089
ITEM NO :44 Providing and constructing BB masonary circular manhole 1.2 m dia at bottom upto a depth of 2.0 M (MIP DSR 2023-24. Item No 06, Page no 285)	76	Nos	**32080.79**	**2438140.04**	34262	2603912
ITEM NO :45 Providing cement based water proofing treatment to terraces (Indian water proofing or alike) with brick bats laid in required slope to drain the water for any span after cleaning the base surface. Applying a coat of cement slurry	1056.03	Sq Mt	**1373.23**	**1450172.08**	1467	1549196.01

admixed with approved water proofing compound and laying the brick bats on bottom layer in C.M.1:5 admixed with approved water proofing compound filling up to half depth of brick bats, curing this layer for 3 days, applying cement slurry over this layer joints of brick bats with C.M.1:3 admixed with approved water proofing compound and finally top finishing with average 20 mm thick layers of same mortar added with jute fiber at 1 Kg per bag including finishing the surface smooth with cement slurry admixed with approved water proofing compound. Marking finished surface with false squares of 300mm x 300 mm, making the junctions at the parapet rounded and tapered top for required height, with drip mould at the junction of plaster and parapet and curing and covering 10 years Guarantee against leakproofness on Court fee stamp paper of Rs. 500/- including ponding test etc. complete. (SSR-2022-23 SSR No.-31.04/205)						
ITEM NO :-46 Providing and fixing 20 to 25 mm thick rough shahabad box type waterproofing treatment to vertical outside faces of Reinforced Cement concrete walls of basement or underground floor including filling the gap of 25 mm between rough shahabad and R.C.C. walls with cement grout mixed with water proofing liquid Algae proof or other alike with one tile lift method, brushing the joints horizontally with cement slurry mixed with waterproofing liquid for width 30 to 35 mm and sloping coping over topmost tile with cement mortar 1:3, butting the bottom most with Cement concrete 1:2:4 mixed with water proofing liquid, curing, with 7 years guarantee on court fee stamp of Rs.100/- with ponding test etc complete. (excluding Cement concrete 1:3:6 base concrete) (SSR-2022-23 SSR No.-31.13/207)	1705.68	Sq.Mt	**1430.09**	**2439275.91**	1527	2604573.36
ITEM NO :-47 Providing and fixing in position (as per 1868 / 1982) Alluminium sliding window of three tracks with rectangular pipe 95 x 38.10 x 0.90 mm at weight 0.637 kg/Rmt. with window frame bottom track section 92 x 31.75 x 1.30 mm at weight 1.070 kg/Rmt., Top and side track section 92 x 31.75 x 1.30 mm at weight 0.933 kg/Rmt. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 kg/Rmt. and handle and top section 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. As per detailed drawings and as directed by Engineerincharge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5 mm thick plain glass and aluminium mosquito net shutter with stainless steel jail with all required screws and nuts etc.	61.2	Sq.Mt	**5777.1**	**353558.52**	6170	377604

complete. With colour Anodising with box (SSR-2022-23 SSR No.-39.41/253)						
first floor	72	Sq Mt	**5834.87**	**420110.64**	6232	448704
second floor	298.8	Sq Mt	**5892.64**	**1760720.83**	6293	1880348.4
ITEM NO :- 48 Providing and fixing informatory sign boards shape of size 0.90 x 0.60 m made out of 3mm Aluminum composite panel bonded with IRC Specified colour of retro reflective sheeting of Type IV High Intensity Micro-Prismatic Grade Sheeting (HIP) having pressure sensitive / heat activated adhesive, IRC Specified colour retro reflective cutout border & messages having pressure sensitive adhesive having border & messages in IRC Specified colour background including M. S. angle iron frame of size 35 mm X 35 mm X 5 mm & M.S. angle iron post of size 65 mm X 65 mm X 6 mm, 3.65 m long, duly painted with flat oil paint having alternate black and white bands of 25 cm width including G.I. fixtures etc. fixing the boards in M-20 concrete block of size 60cm X 60cm X 75cm including transportation etc. complete. Aluminum composite panel with Type IV High Intensity Micro-Prismatic Grade Sheeting. Spec.No. As per IRC-67, 2015 (SSR-2022-23 SSR No.-6.49.65)	190	NOS	**12071.85**	**2293651.5**	12893	2449670
ITEM NO :- 49 Dust Bin (Aluminium) (Refer sketch 11) Product area 0.31Sqm, Capacity in ltrs. 37.0 ltrs. Product height 0.90m (MCGM GARDEN 2013 .GW-3-2-g / 20)	244	NOS	**20301**	**4953444**	21681	5290164
ITEM NO :- 50 Supply and installation of cubicles of width and depth as per Athena Lite- SS Series Cubicles- Std Sizes (W x D x H): 900 mm x 1550 mm x 2105 mm. (Height is including 180 mm gap from bottom. Door Width- 600 mm specifications, site drawings). Cubicleheight to be 2105 mm. Made from solid grade compact high pressure laminate as per IS:2046 and EN-438 manufactured under high specific pressure > 5 MPa and temperature>120°C. All doors will be of single colour and made of 12 mm thick Merino HPL stainless steel made hinges affixed to the pilasters. Size of panels to be as per drawing HARDWARE & ACCESSORIES are H shaped (Top) head frame structure made of extruded Aluminium grade 6063 T5-50 micron epoxy powder coated for surfaceprotection, Size to be 125x70x5T. Corner joinery section, Size to be 40x16.5x1.8T. U Channel Wall joinery section Size to be 22x16x1.6T. Door stopper section, Size to be 21x12.5x1.6T. Spring loaded Butt Hinges made from Stainless steel grade 304. Surface finish to be matt type. Covers to be lacor coated etc complete. (SSR-2022-23 SSR No.-51.162/395)	1914.28	sqmt	**11755.8**	**22503892.8**	12555	24033785.4
first floor	2519.55	sqmt	**11873.36**	**29915524.2**	12681	31950413.6

ITEM NO :- 51 GARDEN SOIL :- Supplying on site garden soil well sieved 80 % to pass through I.S. sieve of 10 mm size free from stones rubbish like dried grass roots and other such materials. The soil should be fresh from quarry. The color of the soil generally is red. The soil will be measured by measuring box. (Earma) (PWD Garden SSR 22-23, 1/8)	11.7	CUM	**1500**	**17550**	1602	18743.4
ITEM NO :- 52 Providing on site required variety of lawn (free from weeds /disease etc.) Cynadon/ paspalum/ selection for 1 sqm. area dibbling distance 5 cms. apart c/c. (PWD Garden SSR 22-23, 46/14)	153	Sq.Mt	**60**	**9180**	64	9792
ITEM NO :- 53 Boring drilling bore well of 300mm dia for casing, strainer pipe, by suitable method prescribed in IS. 2800 (part 1), including collecting samples from different strata,preparing and submitting strata chart bore log, including hire & running charges of all equipments, tools, plants & machinery required for the job, all complete as per direction of Engineer in charge, upto 90m depth below ground level (SSR-2022-23 SSR No.-48.48.317)	1140	RMT	**436.8**	**497952**	467	532380
ITEM NO :- 54 Providing and fixing collapsible steel gate in one / two leaves with hot rolled vertical channels of 18 x 9 x 3 mm minimum size, crossings of M.S. flats of size 18 x 5 mm T or E section for runner of minimum 40 x 6 mm size for flange, M.S. flat for top runner of minimum size 40 x 12 mm with roller wheels confirming to grade I.G. 150 fitted with snap headed rivets of minimum size 6 mm max. spacing of vertical channels be 100 mm enclosed gate position and clear space of 150 mm between two sets of crossings with hold fasts, stoppers, spaces, handles, locking arrangement and one coat of red lead primer and oil painting etc. complete (I.S. 10521/1983) (SSR-2022-23 SSR No.-39.26/249)	203.7	SQM	**4211.55**	**857892.735**	4498	916242.6
ITEM NO :- 55 Providing and fabricating structural steel work in rolled sections like joists, channels,angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete. (SSR-2022-23 SSR No.-23.01/173)	3.8	MT	**106936.2**	**406357.56**	114208	433990.4
ITEM NO :- 56 Stainless Steel AISI-304(18.8) Orissa pattern W.C. pan of size 585x480 mm with flush pipe and integrated type foot rests (MCGM USOR 22-23, R3-CS-PS-1-6)	740	EACH	**14661**	**10849140**	15658	11586920

ITEM NO :- 57 Providing and fixing on walls/ ceiling/ floor 15 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. (SSR-2022-23 SSR No.-42.55/280)	2430	RMT	**279.3**	**678699**	298	724140
ITEM NO :- 58 Providing and fixing on walls/ ceiling/ floor 25 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. (SSR-2022-23 SSR No.-42.57/280)	2430	RMT	**393.75**	**956812.5**	421	1023030
ITEM NO :- 59 Providing and fixing on walls/ ceiling/ floor 50 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. (SSR-2022-23 SSR No.-42.60/280)	2530	RMT	**778.05**	**1968466.5**	831	2102430
ITEM NO :- 60 Providing and fixing C.P. BIB cock with wall flange of approved make including necessary sockets/ union nut etc. complete as directed by Engineer in charge. (SSR-2022-23 SSR No.-48.28/314)	880	NOS	**1252.65**	**1102332**	1338	1177440
ITEM NO :- 61 Stainless Steel AISI-304(18/8) Wash basin 530x345 mm with single 15 mm C.P. brass pillar tap (MCGM USOR 22-23, R3-CS-PS-7-k)	462	NOS	**5148**	**2378376**	5498	2540076
ITEM NO :- 62 Providing and laying 100 mm dia salt glazed stoneware pipe including fittings such as bends, tees, single junction, double junctions laying, jointing (including excavation and refilling the trenches) complete. (SSR-2022-23 SSR No.-42.03/274)	1210	RMT	**366.45**	**443404.5**	391	473110
ITEM NO :- 63 Providing and fixing P.V.C. Rain water pipes of 160mm outer diameter and having wall thickness of 2.2 to 2.7 mm confirming to I.S. 13592-1992 including proper rainwater receiving recess with P.V.C. plug, bend, necessary fittings, such as offsets, shoes, inluding fixing the pipe on wall using approved wooden cleats projecting 25mm to 40mm from face of wall a fixing with clips of approved quality and One Number ,filing the joint using rubber gasket with solvent cement and properly resting the shoe of pipes on C.C. or masonry blocks, including necessary scaffolding and maintenance for 3 yrs for any leakages or dislocations of pipes. All the P.V.C. fittings and additional 2 piece socket clips shall be got approved from engineer in charge etc. complete. (SSR-2022-23 SSR No.-42.85 / 283)	1235	RMT	**1555.05**	**1920486.75**	1661	2051335
ITEM NO :- 64 Providing, laying and fixing P.V.C. pipe of 110 mm. dia. with fittings such as	1385	R.Mt	**623.7**	**863824.5**	666	922410

bends, tees, reducers, clamps, etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. (SSR-2022-23 SSR No.-42.28 / 277)						
ITEM NO :- 65 Providing and laying cement concrete pipe of IS 458:2003 NP-2 class of 450mm diameter in proper line, level and slope including providing and fixing collars in cement mortar 1:2 and curing etc. complete. (SSR-2022-23 SSR No.-11.08/81)	685	Rmt	**2046.45**	**1401818.25**	2186	1497410
ITEM NO :- 66 Providing,lowering and laying of RCC pipes NP-IV 250 mm dia (MJP DSR 2023.24 Item No.01 & 02 Page no 110)	670	RMT	**961.4**	**644138**	1027	688090
ITEM NO :- 67 Providing and fixing 15mm diameter water meter with non-return valve including strainer, sockets/ union nut including water meter box making locking arrangement and lock. [Without chamber] (SSR-2022-23 SSR No.-41.26 / 269)	50	NOS	**3958.5**	**197925**	4228	211400
ITEM NO :- 68 Providing and fixing on walls/ ceiling/ floors, 25 mm dia. heavy grade having embossed as ISI Mark galvanised iron pipes weight of 3.01 Kg/meter with necessary fittings , remaking good the demolished portion and applying primer of anti-corrosive oil paint 2 coats Including necessary scaffolding and removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. (SSR-2022-23 SSR No.-41.12 / 267)	735	RMT	**670.95**	**493148.25**	717	526995
ITEM NO :- 69 Providing and fixing on walls/ ceiling/ floors, 32 mm dia. heavy grade having embossed as ISI Mark galvanised iron pipes weight of 3.89 Kg/meter with necessary fittings , remaking good the demolished portion and applying primer of anti-corrosive oil paint 2 coats Including necessary scaffolding and removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. (SSR-2022-23 SSR No.-41.13/267)	720	RMT	**730.8**	**526176**	780	561600
ITEM NO :- 70 Providing and fixing on walls/ ceiling/ floors, 40 mm dia. heavy grade having embossed as ISI Mark galvanised iron pipes weight of 4.49 Kg/meter with necessary fittings and remaking good the demolished portion and applying primer of anti-corrosive oil paint 2 coats Including necessary scaffolding and removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.(SSR-2022-23 SSR No.-41.14/267)	720	RMT	**807.45**	**581364**	862	620640

ITEM NO :- 71 Supplying and erecting 150 mm dia. cast iron double flange sluice valve complete with PN16 pressure rating, as per specification no. IT-VL/SV (PWD CSR 2023-24 ,13-7-15 / 192)	50	EACH	**14310**	**715500**	15283	764150
ITEM NO :- 72 Providing and fixing 50 mm Ball Valve with complete with PN16 pressure rating, as per specification no. IT-VL/BV (PWD CSR 2023-24 ,13-7-41 / 193)	91	EACH	**3388**	**308308**	3618	329238
ITEM NO :- 73 Supplying and erecting 150 mm dia cast iron double flange NRV complete with PN16 pressure rating, as per specification no. IT-VL/NRV (PWD CSR 2023-24 ,13-7-25 / 192)	91	EACH	**14147**	**1287377**	15109	1374919
ITEM NO :- 74 Supplying, erecting, testing and commissioning of minimum three & above star rated submersible pumpset of 3.75 kW/5 HP with 415 V, three phase, 50 Hz A.C. supply suitable for 150 mm dia. borewell with 210 to 860 lpm discharge at 38 to 13 m head & discharge & delivery pipe of size-65mm dia. with a necessary H type clamps as per specification no. WP-SMP (PWD CSR 2023-24 ,12-2-6 / 168)	38	EACH	**38218**	**1452284**	40817	1551046
ITEM NO :- 75 Supplying, erecting, testing and commissioning of water level controller 230/415 V, A.C. supply , four way under ground & over head tank operation only (PWD CSR 2023-24 ,12-4-15 / 176)	38	EACH	**1305**	**49590**	1394	52972
ITEM NO :- 76 Providing and fixing toilet paper holder : C.P. brass (MCGM USOR 2023 ,R3-CS-PS-33-a/168)	764	NOS	**1687**	**1288868**	1802	1376728
ITEM NO :- 77 Low level flushing cistern (SSR 22-23 Item No. 357 pg. 539)	764	NOS	**1299**	**992436**	1387	1059668
ITEM NO :- 78 Providing and fixing in position various capacity rainwater harvesting dual intensity auto flush open ended at drain outlet filter with working principal of COHESSIVE AND CENTRIFUGAL FORCE having filter element made out of S.S. 304 screen with mesh size of 205 microns having rainfall capacity of 75 m/hr intensity with operating pressure of 0.060Kilogramper sq.cm. of Head with discharge capacity ranging from 10 to 480 lit/min including all necessary accessories like coupler,bends,PVC valve,etc fixing with Bombay nails of required length etc. complete with inlet size of 90 mm to 110 mm diameter from rooftop pipe with drain outlet of 90 mm to 110 mm diameter size with clean water outlet of 62 mm to 90 mm diameter size including fitting and fixing excluding inlet and outlet piping etc complete as per the direction by engineer in charge(I.-100 for the catchment up to 110 sq.m. system size 90 mm diameter inlet, 63 mm diameter clean water outlet, 90 mm diameter drain outlet c/filterain,tee,door bend, valve 63mm)(SSR-2022-23 SSR No.-51.228a /	38	NOS	**7563.15**	**287399.7**	8077	306926

410)						
ITEM NO :- 79 Providing & Fixing Hand Dryer, of Following Specificationmaterial: Stainless Steel (304g) Power : 1800w Motor Type: Carbon Brush Motor Power Supply : 220v 50hz Noise Level : 75 Db Air Speed : 95m/S Drying Time : <10sec Rpm : 25000 Waterproof Rate: Ipx1 Dimension : 295*171*325 Mm (Market Rate)	156	NOS	**9652**	**1505712**	10308	1608048
ITEM NO :- 80 Supply of Urinal Flushing Automation Systems (Pot Senser) Battery operated With IR Senser with solenoied valves Extra heavy Duty. Hindware. Polished Chrome Brass Integrated Senser for Ceramic Urinal Pots. Easily Replaceable in any Brand Urinal Sensing Range Adjustablet500mm). Touchfree Infra-Red Senser. Easily Serviceable 15mm inlet/outlet orifice Flush Time 7-8 Seconds Postflush Lenth 80mm Width 50mm (Senser "I" Lenth 36mm Width 13mm) (Market Rate)	148	NOS	**3650**	**540200**	3898	576904
ITEM NO :- 81 Bosch Advanced Aquatak 160 High Pressure Washer, Flow Rate: 570 L/hr Cable Length: 5m Machine Weight: 23.4kg, Maximum Temp: 40 Degree.C Motor Power: 2600 W Nozzle: Variable HP Foam Nozzle Part Number: 0668A78F0 Brand: Bosch Pump Type: 4-Cylinder Quad Pressure: 160 Bar Flow Rate: 570 Liter/h Hose Length: 8m / PVC Application Area: Professional Work , Car / Truck Model Name/ Number: Advanced Aquatak 160 (Market rate)	38	NOS	**29500**	**1121000**	31506	1197228
ITEM NO :- 82 Supply & Installation of 3d Round Acrylic Acp Sign Board, For Advertisement, Heavy having Specification as follows LETTER - 3MM 040 acrylic letter with BMZ led (2year Warrenty) & BMZ Power supply (1year Warrenty) MIRA BHAYANDER MUNCIPAL BOARD - 4mm ACP SHEET With alumunium pipe Frame with CladdingExtra Support MS Frame & Angle Charges (Market Rate)	114	Sqm	**11513.2**	**1312504.8**	12296	1401744
ITEM NO :- 83 Supply of Automatic Sanitary Vending machine Nepkin Capacity:50 nos.,With 5 Rs Coins Acceptable Dimension: 21"x6"x17.5"(LxBxH) Weight 15 kg. Wall Mounted Supply of Automatic Sanitary Vending machine one year warrenty (Market rate)	38	NOS	**4800**	**182400**	5126	194788
ITEM NO :- 84 Providing and fixing European type white glazed earthenware water closet pan with UPVC seat and lid with chromium plated brass hinges and rubber buffers including UPVC and vent pipe up to the outside face of wall 10 litre enameled low level flushing cistern with fittings pipe stop tap brackets for fixing cistern 32 mm dia. UPVC flush pipe with fittings and clamps ,20 mm dia.UPVC overflow pipe ,mosquito proof couplings	38	NUM	**12175.8**	**462680.4**	13004	494152

G.I. chain and pulley,with water Jet and fitting including cutting and making good to the walls and floors testing etc. complete.(prior approval of sample and brand by Ex. Engineer is necessary before use)(SSR-2022-23 SSR No.-43.19 / 289)						
first floor						
second floor						
ITEM NO :- 85 Providing and fixing chromium plated towel rod 16 mm dia and 75 cm. in length including all accessories complete (SSR-2022-23 SSR No.-42.31 / 277)	351	NOS	**313.95**	**110196.45**	335	117585
first floor	406	NOS	**317.09**	**128738.54**	339	137634
ITEM NO :- 86 Supplying Rectangular/ Triagular Yellow Caution Wet Floor Sign Board of PVC material (Market rate)	190	NOS	**120**	**22800**	128	24320
ITEM NO :- 87 Providing and Installation of Stainless Steel Urinals of size 21"x14" of Grade 304 with One year Gaurantee (Market rate)	143	NOS	**3000**	**429000**	3204	458172
ITEM NO :- 88 Providing detailed reports of the inspection logging of drilled hole by observing visual description of data as per depth, thicknessof layer, typeof sample,wash sample, bore recovery type of drill etc. complete. (SSR-2022-23 SSR No.-1.56 / 20)	38	NOS	**10164**	**386232**	10855	412490
ITEM NO :- 89 Providing detailed geological reports of proposed site bymaintaining geotechnical investigation of structure stratification collecting soil, rock and groundwater samples for laboratory tests to arrive the foundation design parameters .Rock properties suchas type of rock, jointing fractures, etc. complete with suggestion about the item foundation and remedies (SSR-2022-23 SSR No.-1.57 / 20)	38	Per Report	**406.56**	**1544928**	43421	1649998
ITEM NO :- 90 Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticizedPVC mediumwell-casing pipeof 150mmdia, conformingto IS:12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per the direction of Engineer in charge (SSR-2022-23 SSR No.-48.49 / 318)	1140	Rmt	**518.7**	**591318**	554	631560
ELECTRICAL SYSTEM						
ITEM NO-91 Point wiring for light bell concealed type in min 20 mm TRUNKING grade HMS PVC conduit with 1.5 sq mm. (2+1E) FRLSH grade copper wires, modular type switch, earthing and required accessories as per specification No: WGPW/CW (PWD ELECTRICALS SSR / CSR No.: 1-7-5 / Page No. 11)	604	Point	**781**	**471724**	834	503736
ITEM NO-92 Point wiring for ceiling fan concealed type in min 20 mm TRUNKING grade HMS PVC conduit with 1.5 sq mm. (2+1E) FRLSH grade copper wires, modular	87	Point	**867**	**75429**	926	80562

type switch, earthing and required accessories as per specification No: WGPW/CW (PWD ELECTRICALS SSR / CSR No.: 1-7-6 (NEW) / Page No: 12)						
ITEM NO-93 Point wiring for independent plug, concealed type in min 20 mm FRLS grade HMS PVC conduit with 1.5 sq.mm (2+1E) FRLSH grade copper wires, modular type switch, earthing and required accessories as per specification No:WG-PW/SW (PWD ELECTRICALS SSR / CSR No.: 1-7-7 / Page No: 12)	420	Point	**888**	**372960**	948	398160
ITEM NO-94 Supplying and installing LSZH sheathed HDPE insulated copper cat-6A cable suitable for networking compliant with ANSI/TIA-568.2-D standards in provided conduit/casing-n-capping as per specification no. WG-ELVC/NC (PWD ELECTRICALS SSR / CSR No.: 19-3-4 / Page No: 278)	22365	Meter	**85**	**1901025**	91	2035215
ITEM NO-95 Point wiring for light/bell/exhaust fan in 20 mm FRLS grade HMS PVC conduit with 1.5 sq.mm (2+1E) FRLSH grade copper wire, modular type switch, earthing and required accessories as per specification No: WGPW/SW (PWD ELECTRICALS SSR / CSR No.: 1-7-11 / Page No: 12)	716	Point	**742**	**531272**	792	567072
ITEM NO-96 Supplying and erecting LED square / circular Max. 25 W down lighter/ Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 2750 Lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs. at L70B50, including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with 3 years warranty.(PWD ELECTRICALS SSR / CSR No.: 2-1-6 / Page No: 15)	447	No.	**1945**	**869415**	2077	928419
ITEM NO-97 Supplying and erecting regular/ standard model ceiling fan of 1400mm, Sweep complete erected in position as per specification no. EG-FN/CF (PWD ELECTRICALS SSR / CSR No.: 2-9-3 / Page No: 25)	71	No.	**2107**	**155918**	2250	166500
ITEM NO-98 Supplying & erecting 20 SWG G.I sheet metal cowl rectangular /round shaped with 25 x 25x 3 (mm) angle iron frame, metal mesh to avoid birds entry with necessary material, suitable for exhaust fan of 450 mm as per specification no EG-EA/MSC (PWD ELECTRICALS SSR / CSR No.: 2-10-19 / Page No: 28)	714	No.	**1475**	**1053150**	1575	1124550
ITEM NO-99 Supplying and erecting integrated LED flood light fitting Max. 70W IP65 & IK07 class having pressure die-cast aluminium housing, having system	539	No.	**6394**	**3446366**	6829	3680831

lumens output of Min. 8400 Lumens, min. efficacy of 120 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-270V, inbuilt surge protection of 4 kV, Life class of 50,000 Hrs. at L70B50, including driver with U shaped bracket with 3 Years warranty as per specification No EG-ODF/SL (PWD ELECTRICALS SSR / CSR No : 2-3-14 / Page No: 21)						
ITEM NO-100 Supplying and erecting integrated LED Bollard Cylindrical/Cubical shaped 800mm 8W IP65 & IK10 class having extrusion aluminium housing with polycarbonate diffuser, having system lumens output of Min. 800 Lumens, min. efficacy of 100 lumen/W, CRI>80, CCT upto 6500K, THD<10% p.f. >0.90, operating range of 140-240V, inbuilt surge protection of 2 kV, Life class of 25,000 Hrs. at L50B50, including driver complete with 2 Year warranty as per specification No EG-ODF/LS2 (PWD ELECTRICALS SSR / CSR No : 2-3-20 / Page No. 22)	154	No.	**6834**	**1052436**	7299	1124046
ITEM NO-101 Supplying and erecting integrated LED street light fitting 70-75W IP65 & IK08 class having single piece pressure die-cast aluminium housing, having system lumens output of Min. 7700 Lumens, min. efficacy of 110 lumen/W, CRI>70, CCT upto 6500K,THD<10%, p.f. >0.95, operating range of 140-270V, inbuilt surge protection of 10 kV, Life class of 50,000 Hrs. at L70B50, including driver complete with 3 Years warranty as per specification No EG-ODF/LS2 (PWD ELECTRICALS SSR / CSR No : 2-3-6 / Page No. 20)	154	No.	**5753**	**885962**	6144	946176
ITEM NO-102 Providing & erecting 4 m high (clear height) galvanised octagonal pole with foundation bolts having bottom of 130 mm A/F, top 70 mm A/F on provided foundation as per specification no. OH-PL/OPL (PWD ELECTRICALS SSR / CSR No : 8-2-10 / Page No. 130)	1to2	No.	**11743**	**1902366**	12542	2031804
ITEM NO-103 Providing and erecting galvanised 1000mm single arm sword type bracket with FRP dome and ball as per specification no. OH-PL/BKT (PWD ELECTRICALS SSR / CSR No : 8-2-19 / Page No. 131)	153	No.	**2710**	**414630**	2894	442782
ITEM NO-104 Providing pipe type earthing with 40mm dia. G.I. pipe or 20 mm dia. G.I. Rod complete with all materials testing and recording the results as per specification no. EA-EP (CSR No : 9-1-4 / Page No. 140)	76	Each	**1537**	**116812**	1642	124792
ITEM NO-105 Supplying and erecting GI strip of required size used for earthing on wall and or any other purpose with necessary GI clamps fixed on wall painted with bituminous paint in an approved manner with joints required as per specification no EA-EP (CSR No. 9-2-3 Page No.140)	410	Kg.	**256**	**96760**	252	103320

ITEM NO-106 Supplying and erecting GI earth conductor of required sizes used for earthing or any other purposes on wall with necessary GI clamps fixed on wall cable/ conduit with screws complete. (CSR No.: 9-2-5 / Page No. 140)	410	Kg.	**168**	**68880**	179	73390
ITEM NO-107 Supplying & erecting triple pole and neutral distribution board (TPNDB), SPMCB of 4 ways phase (12 poles), with door, 1.2mm thickness, surface / flush mounted, IP 43 protection on iron / GI frame (horizontal busbar type) as per specification no. SW-SWR/MCB/DB (CSR No. 5-4-1 / Page No. 77)	76	Each	**2391**	**181716**	2554	194104
ITEM NO-108 Supplying, erecting & marking DPMCB 6 A to 32 A, B-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-SWR/MCB (CSR No. 5-3-7 / Page No. 76)	108	Each	**510**	**55080**	545	58860
ITEM NO-109 Supplying, erecting & marking FPMCB 40A to 63A, with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-SWR/MCB(CSR No. 5-3-13 / Page No. 76)	108	Each	**1329**	**143532**	1419	153252
ITEM NO-110 Supplying and erecting metal work in CRCA sheet including Iron work for supports with fabrication of boxes, panel boards, etc. including cutting, bending, drilling, welding, riveting, treated with anti-rust treatment and duly powder coated or painted with one coat of red lead paint and 2 coats of enamel paint complete. (CSR No. 6-1-1 / Page No. 89)	955	Kg.	**261**	**249255**	279	266445
ITEM NO-111 Supplying and erecting bus bar chamber triple pole with neutral with four aluminium bars, 500V 300A having 40mm (Width) X 5 mm (Thickness), with 99.9 % aluminium purity as per E91E Grade & Current Density 0.8 A per sq. mm. compliance to IS 5082 and enclosure fabricated with 16 SWG CRCA sheet and epoxy paint, with suitable number of ways and with SMC/DMC Insulators and accessories of suitable rating complete as per specification no. CPBB (CSR No. 6-2-3 / Page No. 91)	108	Meter	**7211**	**778788**	7701	831708
ITEM NO-112 Supplying and erecting panel mounting type digital ammeter having three and half digit LED display, external CT operated, calibrated for suitable to operate on 500V, 0 to 1000A having accuracy class of 0.5, AC supply with necessary PVC wire leads and lugs and mounting hardware on provided panel complete with calibration certificate from manufacturer. (CSR No. 6-5-7 / Page No. 99)	38	Each	**2135**	**81130**	2280	86640

ITEM NO-113 Supplying and erecting panel mounting type digital voltmeter having three and half digit LED display, calibrated for 0 to 750V AC suitable to operate on 500V having accuracy class of 0.5 ,AC supply with necessary PVC wire leads and lugs and mounting hardware on provided panel complete with calibration certificate from manufacturer. (CSR No 6-5-8 / Page No. 99)	38	Each	**1719**	**65322**	1836	69768
ITEM NO-114 Supplying and erecting self-locking arrangement with keys in duplicate, made of brass of grade I compliance to IS 729-1979 duly erected, flush with surface of panel / cupboard (CSR No. 6-1-20 / Page No. 90)	76	Each	**300**	**22800**	320	24320
ITEM NO-115 Supplying and erecting I.T current transformer with bar primary 50-5 to 1000/5 ratio with 15 VA burden erected in provided CRCA box duly secured with insulating materials connected to the meter with test certificates. (CSR No. 6-7-2 / Page No. 125)	108	Each	**1175**	**126900**	1255	135540
ITEM NO-116 Supplying & erecting LED type indicating pilot lamp with LED colours red / yellow / green, 230 / 250V on provided box / panel with necessary material, wiring & connections etc. (CSR No. 6-7-5 / Page No. 126)	108	Each	**362**	**39096**	387	41796
ITEM NO-117 Supplying & erecting LED type indicating pilot lamp with LED colour blue, 230 / 250 V on provided box / panel with necessary material, wiring & connections etc. (CSR No. 6-7-6 / Page No. 126)	38	Each	**421**	**15998**	450	17100
ITEM NO-118 Supplying, erecting & marking SPMCB 0.5A to 5A, C-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-SWR/MCB (CSR No. 5-3-1 / Page No. 100)	38	Each	**250**	**9500**	267	10146
ITEM NO-119 Providing & erecting 3 Pole MCCB, 415V, 400A, rated short-circuit breaking capacity 36 kA (Ics=100% of Icu), adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/ UV/ trip alarm contact and MCCB should have phase barriers both sides, with insulation withstand capacity 800V, no line-load bias in provided enclosure / panel as per specification no. SW-SWR/MCCB (CSR No. 5-5-6 / Page No. 103)	50	Each	**20209**	**1010450**	21583	1079150
ITEM NO-120 Providing & erecting 3 Pole MCCB, 415V, 200A, rated short-circuit breaking capacity 25 kA (Ics=100% of Icu), adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt UV/ trip alarm contact and MCCB should have phase barriers both sides, with insulation withstand capacity 800V,	76	Each	**11092**	**842992**	11846	900296

no line-load bias in provided enclosure / panel as per specification no. SW-SWR/MCCB (CSR No. 5-5-3 / Page No. 103)						
ITEM NO-121 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 10 sq. mm. aluminium conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/AL (CSR No.: 7-1-28 / Page No. 139)	1117	Meter	**183**	**204411**	195	217815
ITEM NO-122 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 3 core 2.5 sq. mm. aluminium conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/AL (CSR No.: 7-1-7 / Page No. 137)	892	Meter	**118**	**105256**	126	112392
ITEM NO-123 Supplying & erecting single compression type brass cable glands for 3 to 4 core 6 sq mm /2 to 4 core 10 sq mm for XLPE armoured cable as per specification No. CB-GL (CSR No.: 7-7-2 / Page No. 153)	892	Each	**93**	**82956**	99	88308
ITEM NO-124 Supplying & erecting single compression type brass cable glands for 2 to 4core 2.5 sq mm /2 to 4 core 4 sq mm /2 core 6 sq mm for XLPE armoured cable as per specification No. CB-GL (CSR No.: 7-7-1 / Page No. 153)	734	Each	**73**	**53582**	78	57252
ITEM NO-125 Supplying & erecting crimping type aluminium lugs for cable up to 16 sq mm complete as per specification No. CB-CL/AL (CSR No.: 7-10-1 / Page No. 155)	582	Each	**11**	**6402**	12	6984
ITEM NO-126 Supplying & erecting Carbon Dioxide (CO_2) fire extinguisher of 4.5 kg. capacity cartridge type conform to IS 2878 /15683 complete erected with necessary clamp made from 50 x 6 mm. M. S. flat with nut & bolts routed in wall complete. (Item No. 13-14-1 / Page No. 246)	111	Each	**9943**	**1103673**	10619	1178709
ITEM NO-127 Supplying & erecting minimum three & above star rated Centrifugal water pump (Monoblock), 415 V, three phase 50 cycles A.C. supply of 22.5 KW/30 HP with discharge 1700/400 Litres per Minute (LPM) for head of 48.69 m and 100mm suction/ 80mm delivery pipe of size, on provided C.C. foundation as per specification No. WP-CGP (PWD) ELECTRICAL S SSR / CSR No.: 12-1-16 / Page No. 213)	38	No.	**119895**	**4556010**	128048	4865824
ITEM NO-128 Supplying and fixing 42 U floor mount server rack (Dimension -DxWxH – 800x1000x2070 mm) as per specification No. WG-NAS RAK (PWD ELECTRICAL S SSR / CSR No.: 19-5-30 / Page No. 28)	112	No.	**81432**	**9120384**	86969	9740528

ITEM NO-129 Supplying, fixing, and configuring 24 ports with 4 (SFP+) port, ethernet managed switch with web view CLI, 6KV surge protection on ethernet port and console port for management in provided rack as per specification no. WGNWC/GBS (PWD ELECTRICALS SSR / CSR No.: 19-4-8 (New) / Page No. 25)	38	No.	**41675**	**1583650**	44509	1691342
ITEM NO-130 Supplying & erecting 8 TB internal Surveillance HDD suitable for SATA Port of NVR, interface transfer rate 6 GB/S, maximum sustained transfer rate 210 MB/Sec to 213 MB/S, Drive bay supported 08+, Cameras supported up to 64, Cache (MB) 256, Load Unload Cycle -3000000, Work Load Rating per Year 180 TB, MTBF 1000000 Hrs, HTTPS, RoHS, UL, CE certified, duly erected in position in provided NVR as per specification no. CCTV-HDD (PWD ELECTRICALS SSR / CSR No.: 19-6-21 / Page No. 296)	114	No.	**23722**	**2704308**	25335	2888190
ITEM NO-131 Supplying & erecting of High definition 2 Megapixel IP IR Dome Camera with following features Image Sensor : minimum 1/2.8" Progressive Scan CMOS, Video Resolution : minimum 1920 x 1080 Video Compression : H.264, H.265 or higher, at least Three individually configurable stream, Frame rate : minimum 25 fps at all resolutions, WDR : minimum 120 dB Wide Dynamic Range, ONVIF profile conformant, minimum IR distance : 30m, Lens Type : 2.8-4/6 mm Lens, fixed focal, Field of View : 2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65°Lux sensitivity - minimum 0.2 Lux at color, minimum 0.05 Lux at Black & White, 0.0 Lux (IR) Night Vision Distance minimum IR - 30m, Camera minimum Adjustment Angles - Pan : 350°, Tilt : 72°, Rotate : 350°, Power Supply : Support 12VDC & PoE, IP67, IK10 - Vandal Resistant, Built in micro SD/SDHC/SDXC card slot of minimum 128 GB, Built in microphone, minimum Input/Output - Audio in - 1, Audio Out - 1, Alarm in - 1, Alarm Out - 1, Image Settings : Rotate mode, saturation, brightness, contrast, sharpness, gain,white balance, Image Enhancements : Day/Night-Auto (ICR)/Color/Black & White, 3D Digital Noise Reduction, Automatic White Balance, Automatic Gain Control, BackLightCompensation, Highlight Compensation, Events : Privacy Masking, Motion detection, Scene change detection, Face capture, Video tampering, audio exception detection, Region entrance detection, Region exiting detection, Operating temperature (-30 to 60° C), Security - User account	76	No.	**7854**	**596904**	8388	637488

and password protection, HTTPS, IP filter, IEEE 802.1X, digest authentication, user access log, TLS1.2, AES - 256, SSH/Telnet closed, FTP disabled. Protocol - DHCP, UDP, HTTP, HTTPS, NTP, DNS, RTP, RTSP, SMTP, SSL/TLS, TCP/IP, Secure Real-Time Transport Protocol (SRTP), Bonjour, SNMP and Secure shell (SSH) supported protocol. RoHS, WEEE, ISO-14001 and REACH compliant. UL/EN OR equivalent BIS/TEC/TSTQC or any indian standards as applicable. CE / FCC certified, duly erected in position on wall/ceiling/false ceiling/provided pole (mounting height not more than 5 meter) etc with all accessories etc complete as per specification no. CCTV-CAM.						
ITEM NO-132 Supplying & erecting of High definition 2 Megapixel IP IR Bullet Camera with following features : Image Sensor : minimum 1/2.8" Progressive Scan CMOS, Video Resolution : minimum 1920 x 1080 Video Compression : H.264, H.265 or higher, at least Three individually configurable stream, Frame rate : minimum 25 fps at all resolutions, WDR : minimum 120 dB Wide Dynamic Range, ONVIF profile conformant, minimum IR distance : 30m, Lens Type : 2.8-4.6 mm Lens, fixed focal, Field of View : 2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65° Lux sensitivity - minimum 0.2 Lux at color, minimum 0.05 Lux at Black & White, 0.0 Lux (IR) Night Vision Distance minimum IR - 30m. Camera minimum Adjustment Angles - Pan : 350°, Tilt : 72°, Rotate : 350°, Power Supply : Support 12VDC & PoE, IP67, IK10 - Vandal Resistant. Built in micro SD/SDHC/SDXC card slot of minimum 128 GB, Built in microphone. minimum Input/Output - Audio in - 1, Audio Out - 1, Alarm in - 1, Alarm Out - 1. Image Settings : Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance. Image Enhancements : Day/Night-Auto (ICR)/Color/Black & White, 3D Digital Noise Reduction, Automatic White Balance, Automatic Gain Control, Backlight Compensation, Highlight Compensation. Events : Privacy Masking, Motion detection, Scene change detection, Face capture, Video tampering, audio exception detection, Region entrance detection, Region exiting detection. Operating temperature (-30 to 60° C). Security- User account and password protection, HTTPS, IP filter, IEEE 802.1X, digest authentication, user access log, TLS1.2, AES - 256, SSH/Telnet closed.	93	No.	7917	736281	8455	786315

UPP disabled. Protocol - DHCP, UDP, HTTP, HTTPS, NTP, DNS, RTP, RTSP, SMTP, SSL/TLS, TCP/IP, Secure Real-Time Transport Protocol (SRTP), Bonjour, SNMP and Secure shell (SSH) supported protocol. RoHS, WEEE, ISO-14001 and REACH compliant, CE/EN OR equivalent BIS/TECHSTQC or any indian standards as applicable, CE, FCC certified. duly erected in position on wall/ceiling/false ceiling/provided pole (mounting height not more than 5 meter) etc with all accessories etc complete as per specification no CCTV-CAM						
ITEM NO-133 Supplying, installing, testing and commissioning of 3 kWp ON-GRID Solar pV System / Plant consisting solar PV poly crystalline panel (335 Wp X 09 Nos.) and Solar ON-GRID Inverter of similar capacity (THD<3%) with interconnecting wires / cables up to solar ON GRID inverter, proper base plate, canopy box to house Inverter and necessary accessories i.e. ACDB/ DCDB , MCB etc. wiring up to solar Inverter in casing and capping, display board, sign board, two distinct earthing, lightning arrester, liasoning charges, remote monitoring system with maintaining card / chip for 5 years including net charges for RMS system, complete upto net meter installation and export to the grid with 5 year ON-SITE warranty and fully comprehensive maintenance contract as per specification no. LSD-RT-ONG	38	No.	**164159**	**6238042**	175322	6662236
ITEM NO-134 Supplying and installation of solar PV module cleaning unit consisting of nozzles spray, necessary pipes, valves, post, electronic panel board concealed with weather proof cabinet, spreading water periodically for removal of dust, related motor pump, controller, timer and nozzles set suitable for covering 5 kWp Solar PV Module. (Approx. 35 Sq. Mtr. PV Module area)	38	No.	**23985**	**911430**	25616	973408

वरील कामी **मे. देव इंजिनिअर्स** या निविदाधारकाने **वरील दराची (रु.38,25,15,784/-)** निविदा सादर केली आहे. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. महाराष्ट्र शासन, शासन निर्णय क्रमांक :- मनपा-2024/प्र.क्र.221/नवि-16 (ई-815728)दि.05सप्टेंबर 2024 अन्वये सदर कामास तत्वत: मान्यता देऊन सदर कामासाठी रु.2.00 कोटी रक्कम मंजुर केल्याने रु.2.00 कोटीच्या मर्यादेत काम करणे आवश्यक आहे. पुढील काम टप्प्याटप्प्याने निधी मंजुर झाल्यानंतर करावयाचे आहे. त्यानुसार निधी उपलब्धतेप्रमाणे टप्प्याटप्प्याने कार्यादेश देण्यात येतील.

नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब)

मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील 01 कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार प्रशासकीय ठरावाव्दारे मान्यता देण्याचा प्रस्ताव प्रशासनाने सादर केला आहे.

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबधित विभागाने विहित पध्दतीने करावी.

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

(संजय काटकर, भाप्से)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

प्रत बांधकाम विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना

मिरा-भाईंदर महानगरपालिका

बांधकाम विभाग

दि. ५ / २ /2025

// गोषवारा //

प्रकरण क्र. (४२५) :- निविदेस मान्यता देणेबाबत.

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव
1	2	3	4	5
1.	1129091_1	मिरा भाईंदर महानगरपालिका हद्दीतील विविध उद्याने विकसित व सुशोभिकरण करणे. (मुलभुत सोई सुविधांचा विकास)	रु.40,13,42,665/-	**मे. गजानन कंस्ट्रक्शन** मे. बिटकॉन इंडिया इन्फ्रास्ट्रक्चर डेव्हलोपर्स प्रा.लि.

Item Description	Qty	Unit	M/s. Gajanan Construction		M/s. Bitcon India Infrastructure Developers Pvt Ltd	
ITEM NO 01 Providing detailed geological reports of proposed site by maintaining geotechnical investigation of structure stratification collecting soil, rock and ground water samples for laboratory tests to arrive the foundation design parameters . Rock properties such as type of rock, jointing fractures, etc. complete with suggestion about the site foundation and remedies. SSR 1.57.20	18	REPORT	**41087**	**739566**	42700	768600
ITEM NO 02 Removing cement tiles,or marble or polished shahabad floor or dado without bed concrete including stacking the materials as directed with all leads, lifts etc. complete SSR 46.19.297	325	SMT	**48**	**15600**	50	16250
ITEM NO 03 Dismantling brick masonry in lime or cement mortar and stacking the materils as directed with all leads, lifts etc. SSR 46.09.296	25.00	CMT	**355.00**	**8875**	370	9250
ITEM NO 04 Dismantling stone masonry in lime or cement mortar including stacking the materils as directed with all leads, lifts etc. SSR 46.11.296	18.50	CMT	**403.00**	**7455.5**	420	7770
ITEM NO 05 Dismantling the R.C.C. Work 1:2:4 and sorting out the materials such as steel etc. as directed and stacking them within the specified lead as directed etc complete SSR 46.29.297	168	CMT	**1540**	**258720**	1600	268800
ITEM NO 06 Dewatering on BHP basis by using water pump including diversion of stream, providing cofferdams, earthern bunds etc. as may be necessary for foundation and other parts of the the works and pumping out water during and after excavation as	2400.0	HRS	**237.0**	**568800**	250	600000

may be required by using 10.0 to 19.0 BHP pump etc. complete. (prior approval of Superintending Engineer will be necessary) SSR 12.21 86						
ITEM NO 07 Excavation for foundation in earth ,soil of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of 50m, beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 0.00 to 1.50 m.) By Manual Means SSR 21.01 / 153	84.0	CMT	**254.0**	**21336**	270	22680
ITEM NO 08Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical MeansSSR 21.02 / 153	9944.3	CMT	**220.0**	**2187746**	230	2287189
ITEM NO 09 Excavation for foundation in earth, soils of all types, sand,gravel and soft murum, including removing the excavated material upto a distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift from 1.5m to 3.0m) By Mechanical Means SSR 21.04 / 153	4577.2	CMT	**274.0**	**1254152.8**	290	1327388
ITEM NO 10 Excavation for foundation / pipe trenches in slush muddy /marshy / slushy / soil including use of poclain, labour for dewatering during execution including removing the excavated material upto a distance of 50 metres and lifts as below, stacking and spreading as directed, preparing the bed by cleaning the mud, labour required for execution for shuttering item but excluding backfilling, etc. complete. Providing and fixing shuttering shall be paid separately. MJP DSR/53/8	120.0	CMT	**411.0**	**49320**	430	51600
ITEM NO 11 Excavation for foundation in hard murum and boulders including removing the excavated material up to a distance 50 metres, beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5m.) By Mechanical Means SSR 21.10/154	10.0	CMT	**267.0**	**2670**	280	2800
ITEM NO 12 TRANSPORTING OF EXCAVATED MATERIALS lead 20.00 k.m. SSR in Statement C 1 (Page 560)	13505.9	CMT	**473.0**	**6388290.7**	500	6752950

ITEM NO 13 Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layers including watering and compacting etc. complete. SSR 21.36/157	1473.5	CMT	**127.0**	**187134.5**	140	206290
ITEM NO 14 Filling in plinth and floors with contractors material brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete. SSR 21.37 / 157	14356.6	CMT	**1225.0**	**17586835**	1250	17945750
ITEM NO 15 Watering and compacting of embankment formed of materials obtained from the road cutting within a lead of 50 m. not less than 97 % of standard Proctor density after laying them in layers of 20 cm. to 30 cm. with vibratory roller. SSR 2.23.24	100.0	CMT	**97.0**	**9700**	105	10500
ITEM NO 16 Providing dry / trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete SSR 21.38 / 157	2059.3	CMT	**3275.0**	**6744207.5**	3450	7104585
ITEM NO 17Providing and laying Cast in situ Ready Mix cement concrete in M20 of trap/ granite/ quartzite/gneiss metal for bed blocks, foundation blocks and such other items including bailing out water, Steel centering, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.), with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade.) (PCC)SSR 24.10 / 176	891.5	CMT	**8481.0**	**7560811.5**	8850	7889775
ITEM NO 18 Providing and laying Cast in situ Ready Mix cement concrete M-30 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C columns and steel stanchion etc. columns as per detailed designs and drawing or as directed including Steel centering formwork, cover blocks laying/pumping, compaction finishing the formed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete (Excluding reinforcement and structural steel), with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc complete. With fine aggregate (Crushed sand VSI Grade) SSR 25.15/178	1311.4	CMT	**9227.0**	**12100287.8**	9500	12458300

ITEM NO 19 Providing and laying Cast in situ Ready Mix cement concrete M-30 of trap granite quartzite gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including steel centering, formwork,cover blocks laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) SSR 25.35/180	174.5	CMT	**16315.0**	**2846967.5**	17000	2966500
ITEM NO 20 Providing and laying Cast in situ Ready Mix cement concrete in M-30 of trap granite/ quartzite/ gneiss metal for R.C.C. pardi of required thickness including steel centering, formwork, cover blocks, laying/pumping, compacting and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) SSR 26.19/185 RA	959.8	CMT	**18286.0**	**17550902.8**	19000	18236200
ITEM NO.21 Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/ pumping, compactionand roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) SSR 25.54 /181	364.401	CMT	**14707**	**5359245.507**	15300	5575335.3
ITEM NO 22Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer concrete Batch mix plant (Pan mixer) etc.	190.5755	CMT	**16473**	**3139350.212**	17200	3277898.6

complete. With fine aggregate (Crushed Sand VSI Grade)SSR 25.74 / 183						
ITEM NO 23 Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules, including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete. SSR 26.33 / 188	402.65	MT	**95187**	**38327045.55**	98000	39459700
ITEM NO 24 Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted /welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete SSR 23.01/173	73	MT	**108070**	**7889110**	112500	8212500
ITEM NO 25 Providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates etc. as per detailed designs and drawings or as directed including cutting, fabricating, hoisting, erecting fixing in position, Making riveted/ bolted/ welded connection and one coat of anticorrosive paint and over it 2 coats of oil painting approved quality and shade etc. complete. SSR 23.04 /173	25	MT	**126762**	**3169050**	132000	3300000
ITEM NO 26 Providing sacrificial shuttering for deck slab made up with galvanised Cold Rolled Cold Annealed (CRCA) steel of 310 MPA Grade with all Contractor's material, labour, erection fixing, welding etc. (Decking Sheet) SSR 17.70/141	3.5	MT	**70425**	**246487.5**	73200	256200
ITEM NO 27 Centering and shuttering of steel plates with M.S. Angles including strutting, propping etc. and removal of form for Cornices and mouldings. MCGM R3-CS-CW-30-j	272	SMT	**785**	**213520**	820	223040
ITEM NO 28 Providing second class Burnt Brick masonry with conventional I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete SSR 27.05 / 197	1333.93 0326	CMT	**10133**	**13516716**	10500	14006268.4
ITEM NO 29 Providing uncoursed rubble masonry of trap / granit / quartzite / gneiss stones in cement mortar 1:6 in superstructure including racking out joints when plastering is to be done / striking joints when no plastering is to be done on inside watering and scaffolding etc complete. SSR 28.04/199	63.6	CMT	**7939**	**504920.4**	8250	524700

ITEM NO 30Providing coursed rubble masonry second sort of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in superstructure including raking out joints when plastering is to be done and striking joints when no plastering is to be done on the inside, watering scaffolding etc completeSSR 28.10/146	18	CMT	13901	250218	14500	261000
ITEM NO 31 Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete SSR 32.11 / 209	5891.01 1	SMT	708	4170835.788	740	4359348.14
ITEM NO 32 Providing and applying Texture plaster with finishing with texture material of approved make in 3 to 4 millimeter thickness on previously plastered surface, including Plaster Groove 6mm thickness or Tape Grooves 35 to 45 mm thickness or as required, in all position including preparing the surface, scaffolding etc. complete. SSR 32 32/211	3303.36	SMT	666	2200037.76	700	2312352
ITEM NO 33 Providing and applying two coats Apex Ultima Puranature Anti-Pollution Or equivalent approved brand, paint should decomposes organic substances and inorganic gases(NOx, VOC's, CO, SOx, formaldehydes, etc.) in presence of natural or artificial light. It contains Graphene and nanoparticles of titanium oxide and Absorbs CO2 (4.8 Kilogram/15 l), plaster crack should be filled by Acrylic base Crack seal/Textured Crack filler, Paint has to applied on one coat of Apex Ultima Puranature Anti-Pollution Primer or Equivalent, Warranty Should be given by the Manufaturer The work should be done by the Manufacturer Recommended applicator and he should be able to furnish stage wise onsite technical reports from the concerned company technologist SSR 50.79/ 346	6873.26 1	SMT	395	2714938.095	420	2886769.62
ITEM NO 34 Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete. SSR 32.04 / 209	1210.92	SMT	309	374174.28	330	399603.6
ITEM NO 35 Providing and applying plaster with plaster of paris in 6mm thickness to previously plaster surface in all position including preparing the surface scaffolding etc. complete. SSR 32 27/210	187.59	SMT	153	28701.27	160	30014.4
ITEM NO 36 Providing and applying priming coat on concrete/ masonary/ Asbestos Cement	1398.51	SMT	38	53143.38	40	55940.4

plastered surfaces including scaffolding if necessary, preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and sand papering as required etc. complete. SSR 35.21 / 225						
ITEM NO.37 Providing and applying pearl/ luster finish paint of approved colour and shade to the existing plaster surface including scaffolding, preparing the surface, applying the acrylic wall putti etc. complete. SSR 35.23 / 225	1398.51	SMT	**229**	**320258.79**	240	335642.4
ITEM NO.38 Providing and laying pitching on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and technical specifications etc. complete. (by stone/boulder) SSR 14.72/501	302	CMT	**1986**	**599772**	2100	634200
ITEM NO.39Providing and laying weep holes of 100 mm diameter PVC pipes as per drawing for abutment returns, return walls etc. Complete SSR 17.37/132	416	RMT	**566**	**235456**	590	245440
ITEM NO.40 Providing and laying vitrified mirror / glossy finish tiles having size 590 mm to 605 mm x 590 mm to 605 mm of 8 to 10 mm thickness and confirming to IS 15622-2006 (group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints, curing and clearing etc. complete.b) Skirting SSR 33.41 / 266	95.85	SMT	**1347**	**129109.95**	1400	134190
ITEM NO.41 Providing and laying vitrified matt fininsh tiles having size 590 mm to 605 mm x to 605 mm of 8 to 10 mm thickness and confirming IS. 15622-2006 (Group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement morar including neat cement float, filling joints, curing and cleaning etc. complete. SSR 33.42/217	90	SMT	**1716**	**154440**	1800	162000
ITEM NO.42 Supply & Fixing of Rock / Stone Finished outdoor vitrified flooring Tiles 20 mm thick and required width wide in plain pattern including Cement float, filling joints, with neat cement slurry, Natural sand, curing and cleaning complete with prior approval of concerned Superitending Engineer. SSR 50.13/332	585.74	SMT	**3042**	**1781821.08**	3200	1874368
ITEM NO.43 Providing and laying Antiskid Ceramic tiles of approved quality of size 30 cm x 30 cm and confirming to IS 15622-2006 (Group-B IIA) for antiski flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with cement slurry cleaning curing etc. complete. SSR 33.67/220	80.28	SMT	**1289**	**103480.92**	1350	108378

ITEM NO 44 Providing and laying ceramic tiles having size 30 cm. x 60 cm. confirming to corresponding I.S. for dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete. SSR 33.27/264	133.98	SMT	**1493**	**200032.14**	1600	214368
ITEM NO 45 Providing and laying machine cut machine Polished Kota stone flooring 25mm to 30mm thick and required width in plain/ diamond pattern on bed of 1:6 C. M. including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete. SSR 33.06 / 213	643.585	SMT	**1343**	**864334.655**	1400	901019
ITEM NO 46 Providing and laying machine cut machine polished machine cut Kota stone slabs 20 to 25 mm thick for treads and risers of steps and staircases, with rounded nosing for the treads on a bed of 1:4 cement mortar including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete. SSR 33.18 / 263	20.4	SMT	**1688**	**34435.2**	1800	36720
ITEM NO 47 Providing and laying in position flooring of telephone black / Amba White / Cadbary brown / Ruby red / Ocean Brown granite stone of approved shade and size 18 mm to 20 mm thick on bed 1:6 cement mortar including cement floats striking joints, pointing in C.M. 1:3 curing and cleaning etc. complete. SSR 33.34 / 216	292	SMT	**4290**	**1252680**	4500	1314000
ITEM NO. 48 Providing and laying rough natural stone tiles 25 mm to 30 mm thick of an approved quality and size for paving / flooring including cement mortar bedding of 25 mm thick in 1:4 proportion, cement float, pointing in cement mortar 1:3, cutting, dressing, leveling, jointing, pointing, curing, finishing etc complete as directed by Engineer In Charge MCGM/ R3-CS-FL-0425 to 30 mm thk. rough Kota stone (Sand stone)MCGM/ R3-CS-FL-04[illegible]	211.45	SMT	**1000**	**211450**	1040	219908
ITEM NO 49 Providing and laying telephone black / Amba White / Cadburybrown / Ruby red / Ocean Brown granite stone of 18 to 20 mm thick for door frame/ dado/ window boxing etc. On C.M. 1:6 including filling joints with polymer base filler nosing/moulding the sharp edges wherever necessary, curing, etc. complete. SSR 33.68/220	102.8	SMT	**4672**	**480281.6**	4900	503720
ITEM NO 50 Providing and fixing in position, (as per I.S.1868 / 1982) Aluminium sliding window of two tracks with rectangular pipe having overall dimension 63.50 x 38.10 x 1.02 mm at weight 0.547 Kilogram/Running metre, and window frame bottom track section 61.85 x 31.75 x 1.20 mm at weight 0.695	28.8	SMT	**5814**	**167443.2**	6050	174240

Kilogram/Running metre. Top and side track section 61.85 x 31.75 x 1.30 mm at weight 0.659 Kilogram/Running metre. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 Kilogram/Running metre. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 Kilogram/Running metre. And handle section 40 x 18 x 1.25 mm at weight 0.417 Kilogram/Running metre. and top section 40 x 18 x 1.25 mm at weight 0.417 Kilogram/Running metre. As per detailed drawings and as directed by Engineer in charge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5 mm thick plain glass with all required screws and nuts etc. complete. With colour Anodising with box. SSR 39.37 / 251						
ITEM NO 51 Providing and fixing in position aluminium partly openable and partly fixed window of any size as per detailed drawing and as directed by Engineerincharge with all necessary alluminium sections including necessary fixtures and fastening with 5 mm thick float glass etc. complete. a) Without powder coating Note While arriving at the rate of item of item weight at 6.90 Kilogram/Square Metre is considered. SSR 39.54/257	14.4	SMT	**6730**	**96912**	7000	100800
ITEM NO 52 Providing and fixing in position b) Powder Coated aluminium fixed window fully glazed of any size as per detailed drawing and as directed by Engineerincharge with all necessary alluminium sections including necessary fixtures and fastening such as 5 mm thick clear float glass etc. complete. SSR 39.53B/257	7.2	SMT	**6065**	**43668**	6350	45720
ITEM NO 53 Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with powder coating as per detailed drawing and specifications including aluminium frames 80 x 38 mm x 1.22 mm box type, 5 mm thick sheet glass louvers, of approved quality etc. complete. SSR 39.68 / 323	7.2	SMT	**3679**	**26488.8**	3850	27720
ITEM NO 54 Providing and fixing frame with / without ventilator of size as specified with Country cut teak wood for doors and windows including chamfering, rounding, rebating, iron holdfast of size 300mm x 40mm x 5mm with oil painting, etc. complete SSR 39.01 / 303	1.13995 3226	CMT	**212279**	**241988.1309**	223000	251929.663
ITEM NO 55 Providing and applying melamine polish of required finish to the wood work by spray machine including knotting and preparing the even surface by scraping, applying French polish , scaffolding if required etc. complete. Note :The work to	33.292	SMT	**880**	**29296.96**	920	30628.64

be executed on prior approval of Superintending Engineer will be necessary SSR 34.09/273						
ITEM NO.56 Providing and fixing solid core flush door shutter in single leaf 32 mm thick decorative type of exterior grade as per detailed drawings approved face veneers 3 mm thick on both faces or as directed, all necessary beads, mouldings and lipping, wrought iron hold fasts, chromium plated fixtures and fastenings, with brass mortise lock, chromium plated handles on both sides, and finishing with French Polish etc. complete. SSR 39.09 / 246	81.36	SMT	**3267**	**265803.12**	3400	276624
ITEM NO.57 Providing and fixing stone cladding(Rubble,malad,etc). on external face of the wall, with all the necessary materials along with finish in pigment. including all labour ,etc complete approved MR	449.36	SMT	**8946**	**4019974.56**	9300	4179048
ITEM NO.58 Providing cement based water proofing treatment to terraces (Indian water proofing or alike) with brick bats laid in required slope to drain the water for any span after cleaning the base surface. Applying a coat of cement slurry admixed with approved water proofing compound and laying the brick bats on bottom layer in C.M.1:5 admixed with approved water proofing compound filling up to half depth of brick bats, curing this layer for 3 days, applying cement slurry over this layer joints of brick bats with C.M.1:3 admixed with approved water proofing compound and finally top finishing with average 20 mm. thick layers of same mortar added with jute fiber at 1 Kg per bag including finishing the surface smooth with cement slurry admixed with approved water proofing compound. Marking finished surface with false squares of 300mm x 300 mm. making the junctions at the parapet rounded and tapered top for required height, with drip mould at the junction of plaster and parapet and curing and covering 10 years Guarantee against leakproofness on Court fee stamp paper of Rs. 500/- including ponding test etc. complete. SSR 31.04 / 205	319.13	SMT	**1388**	**442952.44**	1450	462238.5
ITEM NO.59 Providing waterproofing in W.C. and bath including brick bat coba in all position including providing and laying 12mm bedding in cement mortor 1:3 on vergin concrete slab with waterproofing compound @ 1Kilogram/per bag of cement laying brick bat coba of required thickness in cm 1:5 with waterproofing compound 1 Kilogram/bag of cement grouting and finishing the top layer with 20mm thick brick bedding in cm mortor 1:3 with waterproofing compound 1 Kilogram per bag of cement and testing the treated portion for 48 hours by pond test and covering ten years' guarantee on	14.016	SMT	**8015**	**112338.24**	8350	117033.6

requisite stamp paper including curing etc. complete. SSR 31.26/208						
ITEM NO 60 Providing and fixing 20 to 25 mm thick rough shahabad box type waterproofing for basement or underground floor on a base of Cement concrete 1:3:6, including sub base of 2.50 centimeter thick Cement mortar 1:3 with conceal, secrete (RMW), Algae proof or other alike waterproofing liquids, raking of joints upto 35 mm depth, filling the joints with 6 mm size crushed metal, hand grouting with cement slurry, curing and cleaning, with 7 years guarantee on court fee stamp of Rs. 100/- with ponding test etc complete. (excluding Cement concrete 1:3:6 base concrete) SSR 31.12/253	78.18	SMT	**1390**	**108670.2**	1450	113361
ITEM NO 61Providing and fixing 20 to 25 mm thick rough shahabad box type waterproofing treatment to vertical outside faces of Reinforced Cement concrete walls of basement or underground floor including filling the gap of 25 mm between rough shahabad and R.C.C. walls with cement grout mixed with wate proofing liquid Algae proof or other alike with one tile lift method, brushing the joints horizontally with cement slurry mixed with water proofing liquid for width 30 to 35 mm and sloping coping over topmost tile with cement mortar 1:3 butting the bottom most with Cement concrete 1:2:4 mixed with water proofing liquid, curing, with 7 years guarantee on court fee stamp of Rs.100/- with ponding test etc complete. (excluding Cement concrete 1:3:6 base concrete)SSR 31.13/254	106.56	SMT	**1445**	**153979.2**	1550	165168
ITEM NO 62 Providing preconstructional antitermite treatment as per I.S. 6313 (Part-1) to the soil along the external face of building by punching holes of 1.2 of 1.5 C.M. diametre about 30 -60 cm deep at 15 cm c/c as close to the wall as possible and to inject 0.5 percent of aldrin or clorophyrifos at the rate of 7.5 litres per hole and sealing the same with proper filling and covering 10 years guarantee on bond paper. SSR 21.25/192	4837.91	SMT	**187**	**904689.17**	200	967582
ITEM NO 63 Supply and installation of cubicles of width and depth as perAthena Lite- SS Series Cubicles- Std Sizes (W x D x H) 900 mm x 1550 mm x 2105 mm, (Height is including 100 mm gap from bottom, Door Width- 600 mm specifications/ site drawings). Cubicle height to be 2105 mm. Made from solid grade compact high pressure laminate as per IS 2046 and LN-438 manufactured under high specific pressure > 5 MPa and temperature >120°C. All doors will be of single colour and made of 12 mm thick Merino HPL compact panel. The doors will have chamfered edges. Each door will be supported by 3 stainless steel made hinges affixed to the pilasters. Size of panels to be as per drawing.	68.292	SMT	**11880**	**811308.96**	12400	846820.8

HARDWARE & ACCESSORIES are H shaped (Top) head frame structure made of extruded Aluminium grade 6063 T5-50 micron epoxy powder coated for surface protection, Size to be 125x70x5T. Corner joinery section, Size to be 40x16.5x1.8T. U-Channel Wall joinery section,Size to be 22x16x1.6T. Door stopper section. Size to be 21x12.5x1.6T. Spring loaded Butt Hinges made from Stainless steel grade 304. Surface finish to be matt type. Covers to be lacor coated etc complete. SSR 51.162/504						
ITEM NO.64 Supply of hand finish top machine cut, 3 line dressing Cobble Stone in size: 100 x 100 x 100mm in grey colour to be fixed on prepared sub-base with cement mortar 1:4 40 mm thick and cement slurry, filling of joints in C.M. 1:2 with grey cement to match the colour of cobble stone in the required pattern, design and as directed by the Engineer incharge, including cleaning, curing etc. complete as specified and as directed by the Engineer. NOTE: THIS ITEM SHOULD BE OPRATED ONLY AFTER SPECIFIC SANCTION OF DIR(E.S.& P.) or Equivalent. MCGM R3-RW-3-38	1800	SMT	**1102**	**1983600**	1150	2070000
ITEM NO.65 Providing & fixing in the footpath Combi- Paver having average crushing strength not less than 80 N/mm² as per technical specifications and IS Code 15658:2006; shot blasted 60mm thick in approved texture and colour and combination size 100 x 200, 125 x 200, 175 x 200, 225 x 200, 275 x 200 to be fixed on average compacted thickness 25 mm well graded sand cushioning uniformly compacted with proper capacity mechanical compactor with required level, grade and camber etc. complete as specified and as directed by the Engineer. NOTE: THIS ITEM SHOULD BE OPRATED ONLY AFTER SPECIFIC SANCTION OF DIR(E.S.& P.) or Equivalent. Approved MR	450	SMT	**1870**	**841500**	1950	877500
ITEM NO.66 GRASS JOINT PAVING:Providing and laying machine cut machine polished kota stone flooring for Grass joint paving, 25mm to 30mm thick required width in plain pattern on bed of 1:6 C.M. including cement float, curing, polishing and cleaning including removing unwanted stuff as directed. Excavation for Planting of Lawn Digging of Soft surface up to 30 Cm. as per drawing and specification provided by Engineer In-charge.Approved MR	1475	SMT	**1613**	**2379175**	1700	2507500
ITEM NO.67 Stamp Concrete of 100mm Thickness - Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm thickness pavement over a prepared sub base with 43 grade cement, coarse and fine aggregate	1556	SMT	**1893**	**2945508**	2000	3112000

(natural sand / VSI grade finely washed crushed sand) Confirming to IS 383, as per mixed in a batching and mixing plant / non tilting mixer and weigh batcher as per approved mix design, admixtures, transporting to site in nagpur city with lead upto 20KM (on Inner Ring Road from Avasti nagar to wadi), spreading, laying with approved make power, compacted and finished in a continous operation, finishing to lines and grades Also Providing, Placing and applying stamp powder which is light fast UV resistant pigment with appropriate chemical compounds of desired colour on base concrete after excess bleed water has evaporated using dry shake method @ 5kg per sqm.						
Including texturing, and covering with plastic sheet (min 200 micron thickness) and also applying two coats of UV-stable 30 % solidsclear sealer @ 150 to 250 gms per sqm using surface roller and protecting from fallingdust,dirt and curring by curring compound / by providing cement vata in cement Mortar 1:8 @ 0.6m x 0.6m center to center, admeasuring 80mm at bottom and 40mm at top withdepth of 75mm and maintaining the same throughout curing period by any other method approved by Engineer-incharge or Landscape architect etc. complete. (prior approval of superintending Engineer will be necessary) SSR 54.01 / 513				**0**		0
ITEM NO 68 Providing and casting in situ or precast tapering R.C.C. M-20 Semi Barrier type Kerb with gutter (as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering Incharge. Using Concrete Batching and Mixing Plant SSR 7.05.69	1960	RMT	**2393**	**4690280**	2500	4900000
ITEM NO 69 Providing and fixing corrugated galvanised iron sheets of 0.63mm thick (24 B.W.G.) for roofing without wind tiles including fastening with galvanised iron screws and bolts, lead and bitumen washers as per drawing etc. complete.(Weight of 5.5 kg/sq m.). SSR 38.04/233	516.968	SMT	**923**	**477161.464**	960	496289.28
ITEM NO 70 Providing and applying one coat of aluminium paint of approved make to new structural steel work in building and workshop including scaffolding if necessary, cleaning and preparing surface (excluding primer coat) etc. complete. SSR 35.05/223	286.08	SMT	**91**	**26033.28**	95	27177.6
ITEM NO 71 Providing and fixing mild steel grill work for windows, ventilators etc. 20 Kilogram/Square Metre as per drawing including fixtures, necessary welding and painting with one coats of anticorrosive	107	SMT	**2225**	**238075**	2350	251450

paint and two coats of oil painting complete. SSR 40.01 / 264						
ITEM NO.72ACP Cladding: - Providing,supplying,fabricating and fixing panel of aluminium composite panel cladding in approved shape made out of 4 mm thick ACP sheet material consisting of 3mm thick FR grade mineral core following NBC part IV Fire and life safety (having 2 hours fire resistance in accordance to ASTM E 119-12 and BS476 part 6 and 7 class O) sandwitched between two aluminium sheets (each 0.5 mm thick of AA 5005/AA3105 grade) The aluminium composite panel cladding sheet shall be coil coated with kynar 500 based PVDF Lumiflon based fluropolymer resin (having 70:30 ratio of PVDF and acrylic) coating of approved colour and shade on top face and polymer (service) coating of bottom face as specified using stainless steel screws,nuts,bolts,washers,cleats,weather silicon sealent,backer rods etc. overall weight of the ACP shall not be less than 7.5 Kilogram/Square Metre)SSR 51.100.378	378	SMT	**4107**	**1552446**	4300	1625400
ITEM NO.73 Aluminium Fins: - Providing and Fixing Horizontal fins with 3"x1" Aluminium Tubular Section Powder coated Horizontally with 1" facing and 3" Gap in to in in sections with 1"1" Aluminium Angle powder coated fixed at top and bottom for fixing. with Hardware , with labour inclusive. Approved MR	52	SMT	**4608**	**239616**	4800	249600
ITEM NO. 74 Providing and fixing in position UV resistant, fire retardant, virtually unbreakable and temperature resistant (-40° C to +130° C) Polycarbonate corrugated sheet of 2mm thickness for roof of approved make to match the roof profile at any height with G.I. J hooks bolts of G.I. clamps nuts & bolts or with self drilling fastener and EPDM washer etc. complete as directed. MCGM R3-CS-RW-08	105.88	SMT	**1844**	**195242.72**	1950	206466
ITEM NO.75 Providing and fixing 80mm thk. Glass bricks of approved make, size and type in glass block adhesive including filling joints with glass block grout, cleaning etc. complete as directed by Engineer in charge MCGM R3-CS-11-19	45	SMT	**2299**	**103455**	2400	108000
ITEM NO.76 Providing and fixing of factory made uPVC casement window / Fixed Window & Casement Door (White Colour) comprising uPVC multi-chambered frame, Sash, & Mullion with wall thickness of 2.3mm (+-0.2 mm), duly reinforced with G.I. section 1.5 mm, wherever required. uPVC window & door profile shall be made in India & shall conform to BS EN 12608 and other standards as mentioned below: S.No. Name of the test Test Method Specified Parameter				**0**		0

1 Tensile Impact Strength ISO 8256 - more than 700Kj/m2 2 Vicat Softening Temperature I.N ISO – 306 Shall not be < 750C 3 Charpy Impact Strength I.N ISO – 179-2 Shall not be < 20KJ/m2 4 Flexural Modulus Elasticity I.N ISO – 178 Shall not be < 2200 N/mm2 5 Mean Breaking Stress for welded corner (a) For the tensile bending test EN – 514 Shall not be < 25 N/mm2 (b) For the compression bending test Shall not be < 30N/mm2 6 Heat Reversion Test IS:4985-2000 Shall not be > 2.0 % 7 Surface Spread of flame BS : 476 - Part 7 Classification 1 8 Ignitability Evaluation BS : 476 - Part 5 'P' Not easily ignitable 9 Tensile modulus ASTM D 638 Shall not be < 35 MPa 10 Shear Modulus ASTM D 732 Shall not be < 220 MPa 11 Tensile Strength I.N ISO 527 Shall not be < 30 MPa.						
All corners of frame and sash will be fusion welded. Mullion shall be welded / screwed. EPDM / TPE Gasket shall be provided in all frame, sash & mullion, wherever necessary. Thereafter, 5 mm Float Annealed glass shall be provided in the sash with the help of uPVC glazing bead and hardware, i.e., friction hinge & single point handle (in window) & 3D Hinges & Multipoint Lock (in door) shall be provided. Window / Door shall be fixed to the wall with 100mm long and 8mm dia. Fasteners and complete in all respect as per direction of Engineer-In-Charge. uPVC Window and Door Profiles are warranted for a period of ten(10) years against non-uniform discoloration, wrapping and rotting under general use.SSR 54 09-517				**0**		0
Casement Window (Big Series) frame of size 67 x 62 mm & Sash / Mullion of size 67 x 78 mm.	90	SMT	**11137**	**1002330**	11600	1044000
Casement Door (Big Series) frame of size 67 x 62 mm & Door Sash of size 67 x 115 mm & Mullion (if required) of size 67 x 78 mm.	19.2	SMT	**10167**	**195206.4**	10600	203520
Fixed Window (Big Series) frame of size 67 x 62 mm & Mullion (if required) of size 67 x 78 mm.	49.8	SMT	**8852**	**440829.6**	9200	458160
ITEM NO:77 Providing and fixing 12mm thk toughened etched glass as per the design, as per the design. Glass to be fixed at top & bottom in heavy guage aluminium 'c' channel concealed in floor & boxing. Cost to be inclusive of silicon sealant to the periphery of the glass as directed MCGM R3-CS-AW-19	50	SMT	**1707**	**85350**	1800	90000
ITEM NO:78 SS DUSTBIN Garden 59	40	NOS	**18253**	**730120**	19000	760000

ITEM NO.79 SS 202 Grade dustbin double Garden 60	40	NOS	**31959**	**1278360**	33300	1332000
ITM NO. 80 Standard Bench (Refer sketch 14) Product area:1.8 x 0.6 mts, Capacity in nos: 4 nos, Product height:0.80m MCGM GW-3-2-j	20	NOS	**23922**	**478440**	24900	498000
ITEM NO.81 Royal Bench (Refer sketch 15) Product area:1.2 x 0.6 mts, Capacity in nos: 3 nos, Product height:0.90m MCGM GW-3-2-k	20	NOS	**46333**	**926660**	48200	964000
ITEM NO.82 Victoria Bench (Refer sketch 17) Product area:1.2 x 0.6 mts, Capacity in nos: 3 nos, Product height:0.90m MCGM GW-3-2-m	20	NOS	**48977**	**979540**	50900	1018000
ITEM NO.83 Vip Bench (Refer sketch 18) Product area:1.2 x 0.6 mts, Capacity in nos: 3 nos, Product height:0.90m MCGM GW-3-2-n	20	NOS	**50236**	**1004720**	52200	1044000
ITEM NO. 84 Circular tree guard : Providing, fabrication and fixing M.S. Circular tree guard with circular pipe of 10 gauge. 50mm Dia Circular vertical post, 40mm Dia Horizontal support 18mm Dia intermediate support with M.S. cap- (type-I) logo panel etc. including cutting welding, riveting, oil painting with navy blue colour or any other approved colour shade as directed and fixing in cement concrete foundation including cement concrete paver block lining including removal of surplus material/debris and restoring damaged portion of footpath etc. as directed (Design details vide Drg.No.4F-A1.1, 4FA1.2, A1.3 in the catalogue of street Furniture (Vol.I) published by B.M.C.) MCGM R3-RT-16-28	300	NOS	**19278**	**5783400**	20100	6030000
ITEM NO.85Hexagonal tree guard No. tgu- B: Providing, fabrication and fixing M.S. Hexagonal tree guard with circular pipe of 10 gauge. 50mm Dia Circular vertical post, 40mm Dia circular horizontal support, 18mm Dia circular intermediate support with M.S. cap- (type- I) logo panel etc including cutting welding, riveting, oil painting with navy blue colour any other approved colour shade as directed and fixing in cement concrete foundation including cement concrete paver block lining including removal of surplus material/debris and restoring damaged portion of footpath etc. as directed. (Design details vide Drg.No.4F-B1 in the catalogue of street Furniture (Vol.I) published by B.M.C) work complete as per specifications and as directed by the Engineer.MCGM R3-RT-16-29	100	NOS	**21562**	**2156200**	22500	2250000
ITEM NO.86 Square tree guard : Providing, fabrication and fixing M.S. Square tree guard with circular pipe of 10 gauge. 50mm Dia Circular vertical post, 40mm Dia circular horizontal support, 18mm Dia circular intermediate support with M.S. cap- (type-I) logo panel etc including cutting	30	NOS	**19528**	**585840**	20300	609000

welding, riveting, oil painting with navy blue colour any other approved colour shade as directed and fixing in cement concrete foundation including cement concrete paver block lining including removal of surplus material debris and restoring damaged portion of footpath etc. as directed. (Design details vide Drg.No.4F-C1 in the catalogue of street Furniture (Vol.I) published by B.M.C) work complete as per specifications and as directed by the Engineer. MCGM R3-RT-16-30						
ITEM NO 87 Fountain (SP-ME-IS-75) MCGM GW-4-5				**0**		0
Foam Bubble/ Geyser jet fitted on universal ball joint MCGM GW-4-5-a	20	NOS	**5977**	**119540**	6250	125000
SS 304 Framed mesh cover MCGM GW-4-5-b	16	NOS	**17116**	**273856**	17800	284800
Monobloc Submersible Pump MCGM GW-4-5-c	4	NOS	**66829**	**267316**	69500	278000
IP 68 TYPE Programable submersible Lights MCGM GW-4-5-d	48	NOS	**30903**	**1483344**	32200	1545600
Fabricated MS powder coated control panel MCGM GW-4-5-e	4	NOS	**25673**	**102692**	26700	106800
Necessary GI / PVC plumbing pipes, fittings , valves MCGM GW-4-5-f	4	SET	**51348**	**205392**	53400	213600
Necessary electrical cabling MCGM GW-4-5-g	4	JOB	**42789**	**171156**	44500	178000
Spot Light MCGM GW-4-5-h	20	NOS	**1902**	**38040**	2000	40000
ITEM NO.88 Providing, hoisting and fixing at all level precast or reinforced cement concrete gazebo with all elements like roofing, string courses, bands, copings, columns, pillars beams, plinth beams, railings, benches, flooring, foundations including architectural design, moulding, arches, shapes, and applying proper texture and painting coats to suit a particular aesthetic element (trunk of trees, shapes of animals, birds, timber benching, any element or structure representing culture or tradition) the cost of required centering, shattering and reinforcement, of M25 grade and fibrous material, etc complete as per the instructions of Architect or Engineer-incharge (Refer sketch 3) MCGM GW-3-3-a	75	SMT	**38403**	**2880225**	39900	2992500
ITEM NO.89 Supply and installation of Vertical garden as per design with approved plants ,including the fabricated tray /stand patterned fabrication with 2 coat of oil paint and necessary fittings to fix on Walls/pillars etc specification as per drawings and Engineer in charge Complete Approved MR	240	SMT	**13340**	**3201600**	13900	3336000
ITEM NO 90 SITC of Drip Irrigation system Including all related Materials , Drip Fittings + valve , Piping & Solutions material complete as per specification provided by the engineer InchargeApproved MR	900	RMT	**533**	**479700**	560	504000

ITEM NO 91 Providing & Installation of Filter system including Fittings charges for vertical garden installation complete as per specification provided by the engineer Incharge Approved MR	6	NOS	23686	142116	24700	148200
ITEM NO 92 Providing playing equipments for pets for play area including bolting ,fixing on PCC base /Foundation etc as per Approved materials and drawings specification provided by engineer incharge Complete Approved MR						
Wooden planks	3	NOS	58615	175845	60900	182700
Hurdle	4	NOS	56594	226376	58800	235200
Tunnel Dog crawl	2	NOS	40424	80848	42000	84000
Stepping pods	2	NOS	76806	153612	79800	159600
Trampoline	2	NOS	84890	169780	88200	176400
Hoop jump	4	NOS	48509	194036	50400	201600
Platform climb	4	NOS	66700	266800	69300	277200
ITEM NO 93 Providing and fixing EPDM (Rubber Mat)(Ethylene propylene diene methylene) flooring for children play area of thickness 25-30 mm above PCC as per specification provided by engineer incharge Approved MR	1680	SMT	3232	5429760	3400	5712000
ITEM NO. 94 Providing and fixing Equipments for children play area, Gym area Etc as per drawings and specification by the engineer in charge Garden SSR						
FRP Wave slide ht 1.5 mtr	8	NOS	80332	642656	83500	668000
Roller slide ht 1.5 mtr	8	NOS	104157	833256	108500	868000
FRP Spiral slide ht 1.5 mtr	8	NOS	139313	1114504	145000	1160000
FRP Mini tube slide ht 1.5mtr	6	NOS	185772	1114632	193500	1161000
Rocking boat	4	NOS	32151	128604	33500	134000
Double swing Eco	8	NOS	46504	372032	48400	387200
Circular swing	8	NOS	60857	486856	63300	506400
Deluxe luxury swing	8	NOS	111954	895632	116500	932000
Multi seater see saw	10	NOS	37538	375380	39100	391000
Crystal maze	10	NOS	101774	1017740	106000	1060000
Criss cross scrambler	6	NOS	55689	334134	57900	347400
Walking barrel	6	NOS	56838	341028	59100	354600
Turbo tower	5	NOS	56022	280110	58300	291500
Net Rock scrambler 1.5 mtr	3	NOS	75210	225630	78200	234600
Parallel bar	8	NOS	19717	157736	20500	164000
Loop rung	4	NOS	65909	263636	68500	274000
Combination set 4 in 1	4	NOS	70618	282472	73400	293600
MAPS 59	4	NOS	1194960	4779840	1242000	4968000
Gym equipment						
Forearm twirl	5	NOS	31117	155585	32400	162000
SIT up board	5	NOS	55650	278250	57900	289500
Air walker	5	NOS	75394	376970	78400	392000
8 in 1 combination (chest press+standing twister+surf board+horse rider+leg press+cross trainer+push up bar+aerial stroller)	5	NOS	484081	2420405	503000	2515000
ITEM NO.95 Artificial Turf FA-GC-019-15 Providing and fixing artificial turf of approved thickness (grass) Lush green as per size and specification provided by engineer incharge	265	SMT	3414	904710	3550	940750

ITEM NO.96 Providing and laying of beach sand for children play area as per specification provided by engineer incharge Approved MR	10092	KG	**61**	**615612**	65	655980
ITEM NO.97Providing and laying Natural unpolished White Pebbles of size 30mm to 50mm laying in 3 layers (finish layer of 150mm nominal thickness), graded pebbles etc complete as per drawing as specified as directed by Engineer. (Refer sketch 22)MCGM GW-3-1-c	62	CMT	**3992**	**247504**	4150	257300
ITEM NO.98 Providing and laying Natural unpolished Black/Brown Pebbles of size 30mm to 50mm laying in 3 layers (finish layer of 150mm nominal thickness), graded pebbles etc complete as per drawing as specified as directed by Engineer. (Refer sketch 23) MCGM GW-3-1-d	52	CMT	**3638**	**189176**	3800	197600
ITEM NO.99 Providing and laying Natural unpolished mixed colour Pebbles of size 5mm to 20mm laying in 3 layers (finish layer of 75mm nominal thickness), graded pebbles etc complete as per drawing as specified as directed by Engineer. (Refer sketch 24) MCGM GW-3-1-e	110	CMT	**1415**	**155650**	1500	165000
ITEM NO.100 Providing and Fixing Wall mounted bicycle stand units as per drawings and specification provided by the engineer in charge. Approved MR	40	NOS	**5659**	**226360**	5900	236000
ITEM NO.101 Providing and fixing Decorative themed FRP Based Gate (Sports,Musical,Historical Hero,Cultural) entrance of size as specification provided by engineer incharge completet5 mt width) Approved MR	5	JOB	**103132**	**515660**	107500	537500
ITEM NO.102 Supplying and fixing Stone sculpture/statues of theme upto 1.8 mt ht of approved size and material complete as per specification provided by engineer incharge Approved MR	12	JOB	**1642225**	**19706700**	2000000	24000000
ITEM NO.103 Providing and erecting chain link fencing 1.6 M. height with G.I. chain link of size 50 x 50 mm, 8 gauge thick and fixed 75 mm above ground level on vertical M.S. Angles of 40 x 40 x 6 mm size, includind excavating pits for foundation and embedded in C.C. block of 1:4:8 mix of size 450 x 450 x 670 mm. at 1.75 M. c/c with iron bar 16mm dia as hold fast including welding link with angle frame at 30 cm c/c with nuts and bolts and horizontal M.S. Angles at top and bottom of 25 x 25 x 5 mm size and vertical M.S. flat 35 x 5 mm and 25 x 5 mm horizontal including cross support of 40 x 40 x 6 mm angles both side at every corner or bend embedded in concrete blocks of	648	SMT	**2694**	**1745712**	2800	1814400

1:4:8 of size 450 x 450 x 670 mm including 3 coats of oil painting etc. complete. SSR 46.39/298						
ITEM NO.104 Providing & Casting of one figure of Statues/Murals of real size Humans MCGM EA-GC-16-01	10	NOS	153359	1533590	159500	1595000
ITEM NO.105 Providing and fixing thematic murals created in mix media in different shape and size as per required artwork made out of 8mm, 12mm and 19mm thick marine plywood and BTC wood and fibre coating in imported silicon rubber painted MCGM CE4-09-002- EA14IC	10	NOS	370002	3700020	384500	3845000
ITEM NO.106 Artist painting of wall in 3 D format and text format MCGM FAIR-3D-AWP-A	3900	SQ FT	127	495300	140	546000
ITEM NO.107 P/f clear acrylic panel of size 350 mm x 250 mm with vinyl cut type and graphics etc MCGM CE4-12-13-A-E-335	80	SMT	2527	202160	2650	212000
ITEM NO.108 P1 MURAL MADE IN FIBRE RAINFORCED PLASTIC AS PER GIVEN ART WORK OF REQUIRED SIZES MCGM CE4-07-076-FF-47A	80	SMT	11056	884480	11500	920000
ITEM NO.109 MURAL IN PAINT (3D) MCGM CE5-10-024- FAIR1	177.5	SMT	8101	1437927.5	8450	1499875
ITEM NO.110SUPPLY AND INSTALLATION OF FRP SPHERE SCULPTURE/MCGM SG8-13- 004/002-FA2	20	NOS	454770	9095400	472500	9450000
ITEM NO.111 Providing and Fixing Decorative / Ornamental grills as per design for compound wall Fencing including fabricating the grill using M.S. square / round bar, flats and angles including painting with one coat of red oxide zinc chromate primer and two coats of synthetic enamel paint of approved colour and brand etc. complete as directed. MCGM R3-CS-SL-13	35975	KG	245	8813875	260	9353500
ITEM NO 112 Providing and fixing mild steel grill gate as per the detailed drawing including hinges, locking arrangements and painting in three coats of oil paint of approved colour and shade etc complete (weight 18 kg. to 20 kg. Per Sq.m.) Spec.No.: As directed by Engineer- in-charge. SSR 23.09/213	24	SMT	2228	53472	2350	56400
ITEM NO 113 Providing and fixing 40mm diameter and 1.5 mm thick Stainless steel hand railing in S.S.304 Grade including fabricating ,fixtures, erecting, necessary welding, grinding, finishing, buffing to stainless steel pipe etc. complete SSR 40.06/329	6	RMT	1295	7770	1350	8100

ITEM NO.114 Double Side Pvc Coated waterproof And Sunshed Tensile Fabric Tensile Roofing including strings and fabrication Specification as per engineer in charge and drawing. Complete with fitings Approved MR	550.14	SMT	**6569**	**3613869.66**	6850	3768459
ITEM NO.115 Providing and fixing Mangalore tiled roofing with class 'AA' tiles including securing the last course of tiles near the eaves with steel flat 40 mm x 3 mm and 1.22 mm wire fixing country teak wood sloping battens of 25 x 12 mm teak wood horizontal battens of 50mm x 25mm over the slopping battens, all iron work and coal tarring the battens etc complete (Exclading ridge and hip tiles) SSR 38.02/233	141.2	SMT	**1275**	**180030**	1350	190620
ITEM NO.116 Providing and Fixing laser cut 3-4 mm Acrylic letters of height upto 24 inches with, with all other necessary Hardware for fittings and Labour all Inclusive including profile LED back lighting complete Approved MR	165	LETTER S	**2880**	**475200**	3000	495000
ITEM NO.117 Providing and fixing MBMC Logo on entrance gate Approved MR	15	NOS	**28297**	**424455**	29400	441000
ITEM NO.118 Providing and fixing stainless steel Name Board on gate/Building including LED backlight complete as per drawing .size (6mx1m) Approved MR	5	NOS	**166749**	**833745**	173500	867500
ITEM NO.119 Providing and Installation Planter figure set of 3 having size 4 ft, made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design complet as per specification provided by engineer incharge (Including fabrication) Approved MR	5	JOB	**157654**	**788270**	164000	820000
ITEM NO.120 Providing and installation Hand Model holding tress having size of 3ft ht 9ft wide made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design complet as per specification provided by engineer incharge (Including fabrication) Approved MR	3	JOB	**210205**	**630615**	218500	655500
ITEM NO.121 Providing and installation Sculpture/statute, ht of structure - 6ft made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design complet as per specification provided by engineer incharge (Including fabrication) Approved MR	15	JOB	**197067**	**2956005**	205000	3075000
ITEM NO.122Providing and installation Sculpture/statue of freedom fighters, ht of structure - 8ft made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design complet as per specification provided by engineer incharge (Including fabrication)Approved MR	8	JOB	**367858**	**2942864**	382500	3060000

ITEM NO.123 Providing and installation decorative Sculpture, ht of structure - 6ft wide 4 ft ht made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design complet as per specification provided by engineer incharge.(Including fabrication) Approved MR	6	JOB	**144516**	**867096**	150500	903000
ITEM NO.124 Providing and Installation decorative Sculpture as per approved design, ht of structure - 8 ft made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design complet as per specification provided by engineer incharge.(Including fabrication) Approved MR	5	JOB	**407272**	**2036360**	423500	2117500
ITEM NO.125 Providing and supplying themed seating area as per approved design, structure 7-8 ft wide and 9-10 ft height made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design complet as per specification provided by engineer incharge.(Including fabrication) Approved MR	5	JOB	**354721**	**1773605**	369000	1845000
ITEM NO.126 Providing and Installation thematic planter as per approved design, ht of structure 4 ft made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design complet as per specification provided by engineer incharge.(Including fabrication) Approved MR	4	JOB	**118240**	**472960**	123000	492000
ITEM NO.127 Providing and Installation Signages as per approved design, ht of structure 5-6 ft made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design complet as per specification provided by engineer incharge.(Including fabrication) Approved MR	50	JOB	**131378**	**6568900**	136500	6825000
ITEM NO.128 Providing and Installation steps and seat out for play area as per approved design, ht of structure steps 4 ft length 5meter,sit out box 8ft X 8ft made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design complet as per specification provided by engineer incharge.(Including fabrication) Approved MR	2	JOB	**722579**	**1445158**	751000	1502000
ITEM NO.129 Providing and Installation themed shelter area with polycarbonated sheet as per approved design, ht of structure 12-15 ft, width- 5 to 6ft made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design complet as per specification provided by engineer incharge. (Including fabrication) Approved MR	15	JOB	**893370**	**13400550**	925000	13875000
ITEM NO.130 Providing and Fixing Rocket themed slides 3 mt Ht for play area as per approved design &size, made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved	1	JOB	**499236**	**499236**	519000	519000

design Complete as per specification provided by engineer incharge. Approved MR						
ITEM NO.131 Providing and Installation planet themed merry-go-round for play area with bearing and MS fabrication as per approved design &size, made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design Complete as per specification provided by engineer incharge. Approved MR	2	JOB	**394134**	**788268**	409500	819000
ITEM NO.132Providing and laying Coloured marking on street as per Theme with thermoplastic paint as per approved designs Complete as per specification provided by engineer inchargeApproved MR	685	SMT	**1051**	**719935**	1100	753500
ITEM NO 133 Chasing Jets						
SITC of Vertical jet nozzle with 25mm inlet and 12mm outlet in SS / Brass construction capable of a 15 degree + / - adjustment from vertical with integrated flow straightner for smooth flow of the water jet for the required jet height. Ripples make 8 NOS	2	JOB	**1951310**	**3902620**	2028000	4056000
3m long SS Header with 4 SS nipples each Ripples make 2NOS						
SITC of high discharge and high head IP68 rated pump in SS 304 suitable for operating the above nozzle. MOC of pump housing, shaft and impeller is SS 304 and insulation class is H. Shakti / CG / Kirloskar 2 NOS						
Lights (RGB LED 18x3w with DMX control) SITC of DMX controlled 54W RGB LED light with LED Chips mounted on a multilayered aluminium PCB plate with high quality narrow beam optics, inside a temperature regulated Noryl body with IP68 rating. Cable entry points to be filled with electrical grade epoxy for added protection. Light should be suitable for dry as well as underwater operation complete with submersible cables, connectors and consumables etc required for connecting the light power and signal cables to the main circuit. Ripples make 8NOS						
Fast acting Solenid Valve in Brass / SS 25mm Uflow / Darbior 8 NOS						
2.5 sq mm 3 core double PVC sheathed copper cable Ploycab / KEI / Finolex make -120 Meters						
2.5 sq mm 2 core double PVC sheathed copper cable-60Meter						
1 sq mm 2 core double PVC sheathed shielded copper cable-60 Meter						
SITC of IP67 rated junction box in polycarbonate body and polyamide cover screws with suitable sized IP68 PVC cable glands with neoprene seals, Cable entry points in the junction box to be filled with electrical grade silicon sealant						

for complete protection from water ingress. Ripple make 1 NOS						
1 sq mm 2 core double PVC sheathed shielded copper cable-480 Meter						
SITC of SS304 Tripod with SS fastners custom designed to install the above Jet Ripple make 4 NOS						
ITEM NO 134 Arching Jets						
SITC of Vertical jet nozzle with 50mm inlet and 15mm outlet in SS / Brass construction capable of a 15 degree + / - adjustment from vertical with integrated flow straightner for smooth flow of the water jet for the required jet height. Ripples make 2 NOS	2	JOB	**1264835**	**2529670**	1315000	2630000
SITC of high discharge and high head IP68 rated pump in SS 304 suitable for operating the above nozzle. MOC of pump housing, shaft and impeller is SS 304 and insulation class is H. Shakti / CG / Kirloskar 2 NOS						
Lights (RGB LED 18x3w with DMX control) SITC of DMX controlled 54W RGB LED light with LED Chips mounted on a multilayered aluminium PCB plate with high quality narrow beam optics, inside a temperature regulated Neryl body with IP68 rating. Cable entry points to be filled with electrical grade epoxy for added protection. Light should be suitable for dry as well as underwater operation complete with submersible cables, connectors and consumables etc required for connecting the light power and signal cables to the main circuit. Ripples make 6 NOS						
2.5 sq mm 3 core double PVC sheathed copper cable-120m						
2.5 sq mm 2 core double PVC sheathed copper cable-120m						
1 sq mm 2 core double PVC sheathed shielded copper cable-120m						
SITC of IP67 rated junction box in polycarbonate body and polyamide cover screws with suitable sized IP68 PVC cable glands with neoprene seals, Cable entry points in the junction box to be filled with electrical grade silicon sealant for complete protection from water ingress.Ripples make 2 NOS						
SITC of SS304 Tripod with SS fastners custom designed to install the above Jet Ripples 2 NOS						
ITEM NO 135 Sunburst Jet						
SITC of Vertical jet nozzle with 25mm inlet and 10mm outlet in SS / Brass construction capable of a 15 degree + / - adjustment from vertical with integrated flow straightner for smooth flow of the water jet for the required jet height. Ripples NOS 1	2	JOB	**1150275**	**2300550**	1196000	2392000
2m long SS Header with 7 SS nipples each Ripples make 1 NOS				**0**		0

25mm ball valves in SS / Brass HM / Zoloto 7 nos				0		0
SITC of high discharge and high head IP68 rated pump in SS 304 suitable for operating the above nozzle. MOC of pump housing, shaft and impeller is SS 304 and insulation class is H. Shakti / CG / Kirloskar 1 NOS				0		0
SITC of DMX controlled 54W RGB LED light with LED Chips mounted on a multilayered aluminium PCB plate with high quality narrow beam optics, inside a temperature regulated Noryl body with IP68 rating. Cable entry points to be filled with electrical grade epoxy for added protection. Light should be suitable for dry as well as underwater operation complete with submersible cables, connectors and consumables etc required for connecting the light power and signal cables to the main circuit. Ripples 7 NOS				0		0
2.5 sq mm 3 core double PVC sheathed copper cable Ploycab / KEI / Finolex 60 M				0		0
2.5 sq mm 2 core double PVC sheathed copper cable-60 m				0		0
1 sq mm 2 core double PVC sheathed shielded copper cable-60m				0		0
SITC of IP67 rated junction box in polycarbonate body and polyamide cover screws with suitable sized IP68 PVC cable glands with neoprene seals, Cable entry points in the junction box to be filled with electrical grade silicon sealant for complete protection from water ingress. Ripples - 1 NOS				0		0
SITC of SS304 Tripod with SS fastners custom designed to install the above Jet Ripple make 2 NOS				0		0
ITEM NO. 136 Revolving Spiral Jets				0		0
SITC of revolving spiral jet in SS / Brass construction capable of being adjusted for speed of rotation and with an integrated flow straightner for smooth flow of the water jet for the required jet height. Ripples make 8 NOS	2	JOB	3542142	7084284	3693000	7386000
SITC of high discharge and high head IP68 rated pump in SS 304 suitable for operating the above nozzle. MOC of pump housing, shaft and impeller is SS 304 and insulation class is H Shakti / CG / Kirloskar make 8 NOS						

SITC of DMX controlled 54W RGB LED light with LED Chips mounted on a multilayered aluminium PCB plate with high quality narrow beam optics, inside a temperature regulated Noryl body with IP68 rating. Cable entry points to be filled with electrical grade epoxy for added protection. Light should be suitable for dry as well as underwater operation complete with submersible cables, connectors and consumables etc required for connecting the light power and signal cables to the main circuit. Ripples make 24 NOS						
2.5 sq mm 3 core double PVC sheathed copper cable Ploycab / KEI / Finolex - 480 Meter						
2.5 sq mm 2 core double PVC sheathed copper cable-180 meter						
1 sq mm 2 core double PVC sheathed shielded copper cable-180 Meter						
Junction Box for DMX 512 LightsSITC of IP67 rated junction box in polycarbonate body and polyamide cover screws with suitable sized IP68 PVC cable glands with neoprene seals. Cable entry points in the junction box to be filled with electrical grade silicon sealant for complete protection from water ingress.Ripples make 3 NO						
SITC of SS304 Tripod with SS fastners custom designed to install the above Jet Ripple 8 NOS						
ITEM NO.137 LASER						
5w RGB Laser with integrated software LPS / Pangolin / Able -1 NOS	2	JOB	**2745901**	**5491802**	2853000	5706000
Software for Laser operation Pangolin / Moncha software-1 NOS						
DMX Converter-1 NOS						
1.5mm 3 core Flat double PVC sheathed copper cable Ploycab / KEI / Finolex-60 Meter						
Cat 6 cable with necessary connectors etc -60 Meter						
SITC of GI frame custom designed for mounting the Laser enclosure. Ripple 1 NOS						
SITC of Weather Proof Laser enclosure to mount the Lasers outdoors in powder coated aluminium body with automatic temperature and humidity control at preset levels suitable for a 5W Laser. Air intake and exits to be suitably sized and protected with filters to protect the laser from dust and insects, complete with IP55 control panel for 24hr monitoring of temperature and humidity with interconnecting cables for a minimum distance of 100m. Ripple 1 NOS						
ITEM NO 138 Control Panels						
Starter Panel for Pumps (1 panel for upto 24 pumps) SITC of custom made indoor type Motor Control Panels with MCB's, Contactors, Overload Relays, Single Phase Preventers, for automatic operation of pumps-13 Pumps	2	JOB	**898603**	**1797206**	934000	1868000

SITC of custom made indoor type Light Control Panel with power supplies, DMX 512 transmitter cards, MCB's etc for automatic operation of lights-45 Lights						
SITC of custom made indoor type Control Panel with DXM cards, Electronic relays, Power Supplies & MCB's for automatic switching of solenoid valves and pumps 21 Pumps /SV's						
Custom made indoor type Panel with MCCB's and main bus bar for supply to the above no of panels.1- Panel						
ITEM NO 139 Panel Interconnecting Cables & PVC Double Wall Conduit	2	JOB	**466933**	**933866**	485500	971000
SITC of 16mm four core cable for connecting the Panels-35 m						
SITC of 35mm four core cable for connecting the Panels-35m						
SITC of DMX interconnecting cable-50m						
SITC of PVC Double Walled Conduit for interconnecting the cable trenches.-100 m						
ITEM NO. 140 Sound System						
SITC of professional audio system suitable for the outdoor venue with complete accessories mounting poles etc. Harman (JBL) / VAL Audio / QSC/ Sound System, Speaker x 6nos., Crown Amplifier, Speaker Stand & Brackets, 2 Monitor Speakers, Cables, Rack etc JBL / QSC / VAL Audio -1 SET	2	JOB	**1330202**	**2660404**	1383000	2766000
ITEM NO 141 Fountain Control System and Programming						
SITC of 2 universe DMX show controller with 8 digital inputs and outputs, 2x16 segment LCD display and show scheduling option -Syncronorm make 1NOS	2	JOB	**3247669**	**6495338**	3375000	6750000
SITC of desktop computer for operating the show. HP / Dell / Equivalent Computer Core i5, with 4GB graphic card SSD 240 GB, 15 inch monitor						
Programming of the fountain nozzles, lights, lasers, etc to the music 3 NOS						
ITEM NO. 142 UPS						
SITC of UPS for sensitive equipment UPS 3KVA Online Microtek / Luminous / Equivalent1 NOS	2	JOB	**154652**	**309304**	161000	322000
ITEM NO 143 Consumables, Packing, Shipping etc						
Electrical tape, cable joint waterproofing rubber & packaging of equipment for road transport.-1 LOT	2	JOB	**409293**	**818586**	425500	851000
ITEM NO 144 Providing and fixing European type white glazed earthenware water closet pan with UPVC seat and lid with chromium plated brass hinges and rubber buffers including UPVC and vent pipe up to the outside face of wall 10 litre enameled low level flushing cistern with	5	Nos.	**12305**	**61525**	12800	64000

fittings pipe stop tap brackets for fixing cistern 32 mm dia UPVC flush pipe with fittings and clamps ,20 mm dia UPVC overflow pipe ,mosquito proof couplings G.I. chain and pulley,with water Jet and fitting including cutting and making good to the walls and floors testing etc. complete.(prior approval of sample and brand by Ex. Engineer is necessary before use) SSR 43.19						
ITEM NO.145 Providing and fixing Orissa type white glazed earthenware water closet pan of size 260mm x 440mm x 580mm with approved make Slim wall hung cistern with installation kit including S or P trap with cast iron soil and vent pipe upto outside face of the wall 1:2:4 brick bat lime concrete bedding without flushing tank and its accessories etc.complete. SSR 48.42/316	15	Nos.	**3563**	**53445**	3750	56250
ITEM NO.146 Providing and fixing C.P.Two way BIB cock jaquar make or equivalent continental including necessary sockets/union nut etc. complete. SSR 42.80	20	Nos.	**1548**	**30960**	1650	33000
ITEM NO.147 Providing and fixing 15 mm diameter PVC Aqua kraft type super jet spray with flange 2 in 1 faucet 1.50 metre long including all accessories etc complete SSR 43.39	5	Nos.	**818**	**4090**	850	4250
ITEM NO.148 Providing and fixing White glazed with bottle trap earthenware Wash Hand Basin of 55x40 cm size including cold water piller taps, brackets, rubber plugs and brass chain, stop tap, chromium plate bottle trap and necessary pipe connections including UPAC waste pipe and trap upto the outside face of the wall, making good the damaged surface, testing etc. complete. SSR 41.69	30	Nos.	**6869**	**206070**	7150	214500
ITEM NO.149 Providing and fixing Oval Type Under Counter Wash Hand Basin of 420 x 590 x 195mm size with pillar cock, C.P.Angular stop cock, long thread of approved make continental including SS bottle trap of necessary pipe connection up to the outside face of the wall, having Telephonic Black / Colour Granite of 180 mm thick fixed on Black Kadappa Framework, etc. Complete as directed by Engineer in charge. SSR 48.35	10	Nos.	**21104**	**211040**	22000	220000
ITEM NO.150 Providing and fixing C.P. Angular stop cock with wall flange continental (CAT.NO. CON-059) including necessary sockets/union nut etc. complete. SSR 42.79	30	Nos.	**2851**	**85530**	3000	90000
ITEM NO. 151 Supplying, erecting, testing and commissioning self contained water cooler 230/250 Volts 50 cycles nominal cooling capacity of 150 litres per hour and storage capacity 150 litres with partially	12	Nos.	**53919**	**647028**	56100	673200

stainless steel body as per specification No. AP-WCR.WC CSR 3-3-10						
ITEM NO 152Providing and making ISI Mark ferrule connection of 32 mm dia. to water mainincluding ferrule coupling cast iron bell mouth cover, built in non return valve andfixing including excavation and reinstatement complete SSR 42.75	2	Nos.	**4197**	**8394**	4400	8800
ITEM NO 153 Providing and fixing earthenware lipped flat back/corner type Urinal of Hindustan /Perryware / Neycer / Cera or equivalant make with PVC 5 liters flushing system of 5 liters with fittings, inlet pipe with stop tap, brackets for fixing the cistern, 32 mm diameter P.V.C. flush pipe with fitting including lead soil pipe, lead trap & soil pipe connection up to the outside face ofwall. SSR 41.61	10	Nos.	**5080**	**50800**	5300	53000
ITEM NO. 154 Providing and fixing 10 cm rigid PVC Nahani trap with grating etc. complete as per engineer in charge. SSR 42.67	40	Nos.	**572**	**22880**	600	24000
ITEM NO 155 Providing and fixing on walls/ ceiling/ floor CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.						
a) 15mm dia SSR 42.55	60	Rmt.	**282**	**16920**	300	18000
b) 20mm dia SSR 42.56	30	Rmt.	**329**	**9870**	350	10500
c) 25mm dia SSR 42.57	80	Rmt.	**398**	**31840**	420	33600
d) 32 mm dia SSR 42.58	50	Rmt.	**458**	**22900**	480	24000
e) 40 mm dia SSR 42.59	50	Rmt.	**572**	**28600**	600	30000
f) 50 mm dia SSR 42.60	50	Rmt.	**786**	**39300**	820	41000
ITEM NO 156 Supplying and erecting ISI mark GI pipe 32 mm dia 'C' class at position with accessories complete as per specification no. CW-PLB/GP. CSR 16-5-10	80	Rmt.	**409**	**32720**	430	34400
ITEM NO 157 Supplying and erecting ISI mark GI pipe 40 mm dia 'C' class at position with accessories complete as per specification no. CW-PLB/GP. CSR 16-5-11	80	Rmt.	**466**	**37280**	490	39200
ITEM NO 158 Supplying and erecting ISI mark GI pipe 50 mm dia 'C' class at position with accessories complete as per specification no. CW-PLB/GP. CSR 16-5-12	120	Rmt.	**687**	**82440**	720	86400
ITEM NO 159 Supplying and erecting 20 mm dia gun metal gate valve complete with PN16 pressure rating, as per specification no. FF-VL/GV CSR 13-7-31	10	Nos.	**966**	**9660**	1010	10100

ITEM NO 160 Supplying and erecting 25 mm dia gun metal gate valve complete with PN16 pressure rating, as per specification no. FF-VL/GV CSR 13-7-32	10	Nos.	**1273**	**12730**	1350	13500
ITEM NO 161 Supplying and erecting 32/40 mm dia gun metal gate valve complete with PN16 pressure rating, as per specification no. FF-VL/GV CSR 13-7-33	6	Nos.	**1492**	**8952**	1550	9300
ITEM NO 162 Supplying and erecting 50 mm dia gun metal gate valve complete with PN16 pressure rating, as per specification no. FF-VL/GV CSR 13-7-34	4	Nos.	**1540**	**6160**	1650	6600
ITEM NO 163Supplying and erecting 20/25mm dia gun metal air release cock, with necessary G.I. coupling to be fitted on top of air vessel or on wet riser completeas per specification no. FF-FFA/ARVCSR 13-8-13	2	Nos.	**893**	**1786**	930	1860
ITEM NO 164 Providing and fixing 50mm diameter water meter with non-return valve including strainer,sockets/ union nut and including water meter box making locking arrangement and lock. [without chamber] SSR 41.30	5	No.	**15716**	**78580**	16400	82000
ITEM NO 165 Providing and fixing on walls /ceiling/ floor 40 mm dia. uPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.93	150	Rmt.	**552**	**82800**	580	87000
ITEM NO 166 Providing and fixing on walls/ ceiling/ floor 50 mm dia. uPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. SSR 42.94	150	Rmt.	**766**	**114900**	800	120000
ITEM NO 167 Providing, laying and fixing P.V.C. pipe of 75mm dia. with fittings such as bends, tees, reducers, clamps, etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.27	120	Rmt.	**458**	**54960**	480	57600
ITEM NO 168 Providing, laying and fixing P.V.C. pipe of 110 mm. dia. with fittings such as bends,tees, reducers, clamps, etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.28	200	Rmt.	**631**	**126200**	660	132000

ITEM NO 169 Providing and making lead joints for 150mm diameter cast iron pipe line including lead and testing. SSR 41.06	15	Rmt.	**947**	**14205**	990	14850
ITEM NO 170 Providing and fixing 10 cm PVC nahani trap with grating etc. complete. (KHURRA) SSR 42.67	10	Nos.	**572**	**5720**	600	6000
ITEM NO 171 Providing and fixing 15cm x 10cm salt glazed stoneware gully trap in cement concrete 1:4:8 outside the building including cast iron grating in the sink, connecting glazed stoneware pipe, brick masonry chamber with cast iron lid and cast iron grating for the gully trap SSR 42.02	8	Nos.	**1698**	**13584**	1800	14400
ITEM NO 172 Providing and fixing Ductile iron manhole cover of light/medium/heavy duty with frameof any size over inspection chamber etc. complete (Prior permission of S.E. is to be obtained before inclusion of this item in the estimate) SSR 50.30	600	Kg.	**80**	**48000**	85	51000
ITEM NO 173 Providing and fixing Ductile iron Man Hole Covers/ Storm Water Grating and Grating with frame of Various sizes, weight and types and load bearing capacity as per EN-124, equivalent NEC0 with prior approval of concerned Superintending Engineer. SSR 50.85						
300 mm wide (drain channel)	600	Kg.	**305**	**183000**	320	192000
450 mm wide (drain channel)	200	kg.	**305**	**61000**	320	64000
ITEM NO 174 Supplying, erecting, testing and commissioning of minimum three & above star rated 3 phase, 415 V, 50 Hz, submersible pump set of 7.5 kW/10HP suitable for erection on open well, pump having delivery head from 60 to 28 m and discharge from 120 to 840 litres per minute & 65 mm suction/50 mm delivery dia. as per specification no. WP-OSP, CSR 12-3-7	4	Nos.	**43840**	**175360**	45600	182400
ITEM NO 175 Providing and fixing gun metal Y Strainer confirming to IS and tested to a pressure not less than , including rubber gasket, flanges, unions, nuts, bolts and washer etc complete as required. 50 mm dia SSR Pag NO. 534 ITEM NO 124	4	Nos.	**936**	**3744**	980	3920
ITEM NO.176 Providing and fixing gun metal Non Return Valve confirming to IS 778 and tested to a pressure not less than 10 Kg/cm2, including rubber gasket, flanges, unions, nuts, bolts and washers etc complete as required. 50 mm dia SSR Pag NO. 539 ITEM NO 347	4	Nos.	**2816**	**11264**	2950	11800
ITEM NO.177 Providing and fixing gun metal ball valves confirming to IS 1703 with threaded/flanged joints complete with nuts, bolts, gaskets etc. 50 mm dia SSR Pag NO. 538 ITEM NO 294	4	Nos.	**1695**	**6780**	1800	7200

ITEM NO 178 Supplying & erecting Float sensor switch for water level controller working on 250V & rated current 8A, with 2 mtr wire & High quality of wire & plastic body. CSR 12-4-28	5	Nos.	**417**	**2085**	440	2200
ITEM NO 179 Providing and fixing H.D.P container one piece moulded water tank made out of low density polythylet and built corrugation including of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow of all tanks capacity above 1000 to 20,000 litres. SSR 42.54	50000	Litre	**12**	**600000**	15	750000
ITEM NO 180 Supplying, erecting, testing and commissioning of automatic control panel for three phase, 415 V, A.C. supply submersible centrifugal pump set upto 20 HP consisting of star delta starter having relay range 28-42 A, S.P.P., combined ammeter/ voltmeter, phase indicating lamp enclosed in CRCA powder coated vibration proof enclosure with IP54 protection with single phasing, phase reversal, phase imbalance, etc CSR 12-4-22	3	Nos.	**17258**	**51774**	18000	54000
ITEM NO 181 Supplying & erecting flat flexible 3 core 4 sq.mm PVC sheathed submersible type copper cable suitably clamped at fixed intervals with column pipe assembly complete. CSR 12-4-9	250	Rmt.	**195**	**48750**	210	52500
ITEM NO 182 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 6 sq. mm. aluminium conductor complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL CSR 7-1-27	350	Rmt.	**156**	**54600**	170	59500
ITEM NO 183 Supplying and laying (including excavation of suitable width & depth up to 90 cm) 75 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, to required depth complete. CSR 7-6-10	20	Rmt.	**246**	**4920**	260	5200
ITEM NO. 184Supplying and erecting ultra violet water purifier with softener for safe drinking water consisting of UV germicidal tube of 8W capacity, choke made of copper wire, two indicator lamps, dual function cartridge with output of purified water 1 litre/min with activated carbon filter and softener operating on 230 V single phase AC supply with UV fail & filter change indication system.CSR 3-5-2	5	Nos.	**7744**	**38720**	8050	40250
ITEM NO.185 Light weight impact type sprinkler with SS retraction spring , 1/2" m threaded inlet full circle with bayonet nozzle 2.5 x 1.8 mm giving distribution uniformity more than 88% at 9 x 9 m, 10 x 10 m, 9 x 12 m, 10 x 12 m or 12 x 12 m, operating	50	NOS	**297**	**14850**	310	15500

pressure 3 kgf IS:12232-1 MCGM GW-4-4-d						
ITEM NO.186 Modular sprinkler with plastic stake assembly -operating pressure 1.5 to 3 kgf, flow rate 25 to 400 lph, with nozzle for minimum 90% distribution uniformity at specified spacing MCGM GW-4-4-b	50	NOS	**74**	**3700**	80	4000
ITEM NO.187 P.V.C. pipe 15mm dia 10kg/cm2 pressure(class IV) SSR 178/535	350	RMT	**34**	**11900**	40	14000
ITEM NO.188 P.V.C. pipe 20mm dia 10kg/cm2 pressure(class IV) SSR 179/535	350	RMT	**64**	**22400**	70	24500
ITEM NO.189 P.V.C. pipe 25 mm dia 10kg/cm2 pressure(class IV) SSR 180/535	600	RMT	**85**	**51000**	90	54000
ITEM NO. 190 Sand Filter 800 Filter, Manufactured by simultaneously injecting fiber and resin. Fitted with PVC collectors, diffuser, pressure gauge, manual air bleed and drain valve. 1.5" PVC Multiport valve and Initial Charge of Filter Media. Make: Pentair and Equivalent Approved MR	5	NOS	**85734**	**428670**	89100	445500
ITEM NO.191 Pump for Pool Filter Type : Basket Strainer Hose Power : 4-6 HP Make : Leo and Equivalent Approved MR	5	NOS	**62785**	**313925**	65300	326500
ITEM NO.192 Suction Sweeper with Maintenance Kit: Vacuum Head, Floating Hose of 9 Meters Length, 2 x 2.4 M Length Telescopic Handle, Leaf Rake, 18" Wall Brush, pH and Chlorine Test Kit, Make : Emaux and Aarav Enterprises Approved MR	5	SET	**30337**	**151685**	31600	158000
ITEM NO.193 Suction Cover Make : Emaux Approved MR	3	NOS	**2375**	**7125**	2500	7500
ITEM NO.194 Vacuum Nozzle Make : Emaux Approved MR	3	NOS	**1056**	**3168**	1100	3300
ITEM NO.195 Floor Inlet Make : Emaux Approved MR	10	NOS	**924**	**9240**	960	9600
ITEM NO.196 Panel Board For LED Lights(Warm Colour) Made from Mild Steel Sheets to house Drivers with controls. Make : Aarav Enterprises Approved MR	25	NOS	**9498**	**237450**	9900	247500
ITEM NO.197Supplying, erecting, testing & commissioning static energy meter with 240V 50 Hz. AC supply 5 to 30 A, accuracy class 1.0 with backlit LCD display, (measuring and display kWh, kVAh,V, I, PF, frequency, kW,	12	NO.	**2845**	**34140**	3000	36000

kVA, six months history of energy & MD in kW & kVA) with transparent hinge type box complete erected on polished teak wood board duly wired with required size of weatherproof PVC wires duly tested by electric supply company CSR 6-5-1						
ITEM NO. 198 Supplying & erecting CRCA sheet metal enclosures of 1.2mm thickness with 20A, 2 pin plug & earth socket and 20A, 3 pin plug top with 20A/32A single pole MCB having rated short - circuit breaking capacity (Icn) 10kA complete erected on provided angle iron/GI frame. CSR 5-4-13	12	NO.	**950**	**11400**	990	11880
ITEM NO.199 Supplying and erecting single pole and neutral distribution board (SPNDB), with 2 ways for incoming and 6 ways (6 poles) for outgoing SP MCBs, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on provided iron/GI frame as per specification no. SW-MCBDB CSR 5-4-9	12	NO.	**1347**	**16164**	1400	16800
ITEM NO.200 Supplying, fixing and commissioning 2 pole RCBO up to 25A, with overcurrent, rated short-circuit breaking capacity (10 kA) and earth leakage protection, with 30/100/300 mA sensitivity and short circuit and earth leakage trip indication as per specification no SW-RCBO CSR 5-6-9	12	NO.	**3213**	**38556**	3350	40200
ITEM NO.201 Supplying, erecting & marking DP MCB 6A to 32A, C-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-6	12	NO.	**541**	**6492**	570	6840
ITEM NO. 202 Supplying and erecting single pole and neutral distribution board (SPNDB), with 2 ways for incoming and 10 ways (10 poles) for outgoing SP MCBs, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection provided on iron/GI frame as per specification no. SW-MCBDB CSR 5-4-11	12	NO.	**1622**	**19464**	1700	20400
ITEM NO.203 Supplying, fixing and commissioning 2 pole RCBO 32/40A, with overcurrent, rated short-circuit breaking capacity (10 kA) and earth leakage protection, with 30/100/300 mA sensitivity and short circuit and earth leakage trip indication as per specification no SW-RCBO CSR 5-6-10	12	NO.	**3407**	**40884**	3550	42600
ITEM NO.204 Supplying, erecting & marking SP MCB 6A to 32A, C-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-2	50	NO.	**176**	**8800**	190	9500
ITEM NO.205 Supplying, erecting & terminating LR XLPE insulated, galvanised steel wire armoured (round) cable, 1100 V 3 core 4 sq. mm. aluminium conductorcomplete	3000	RMT.	**125**	**375000**	140	420000

erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL CSR 7-1-8.						
ITEM NO.206 Supplying & erecting mains with 2x2.5 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places, as per specification no. WG-MA/BW CSR 1-3-2	2500	RMT.	**72**	**180000**	75	187500
ITEM NO 207Supplying & erecting mains with 2x1.5 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places as per specification no. WG-MA/BWCSR 1-3-1	3650	RMT.	**46**	**167900**	50	182500
ITEM NO 208 Supplying & erecting mains with 2x4 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places, as per specification no. WG-MA/BW CSR 1-3-3	2550	RMT.	**100**	**255000**	105	267750
ITEM NO.209 Supplying & erecting mains with 3x10 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places as per specification no. WG-MA/BW CSR 1-3-9	100	RMT.	**393**	**39300**	410	41000
ITEM NO.210 Supplying & erecting mains with 4x16 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places as per specification no. WG-MA/BW CSR 1-3-10	100	RMT.	**805**	**80500**	840	84000
ITEM NO.211 Supplying & erecting HMS PVC conduit 20mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification no. WG-MA/CC. CSR 1-1-7	200	RMT.	**105**	**21000**	110	22000
ITEM NO.212 Supplying & laying HMS PVC conduit 20mm dia. with necessary accessories in RCC work/false ceiling/false flooring as per specification no. WG-MA/CC. CSR 1-1-8	200	RMT.	**91**	**18200**	95	19000
ITEM NO.213 Supplying & erecting HMS PVC conduit 25mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification no. WG-MA/CC. CSR 1-1-9	200	RMT.	**117**	**23400**	130	26000
ITEM NO.214 Supplying & laying HMS PVC conduit 25mm dia with necessary accessories in RCC work/false ceiling/false flooring as per specification no. WG-MA/CC. CSR 1-1-10	200	RMT.	**103**	**20600**	110	22000
ITEM NO.215 Supplying & erecting HMS PVC conduit 32mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification no. WG-MA/CC. CSR 1-1-11	200	RMT.	**155**	**31000**	170	34000

ITEM NO.216 Supplying & laying HMS PVC conduit 32mm dia. with necessary accessories in RCC work/false ceiling/false flooring as per specification no. WG-MA/CC. CSR 1-1-12	200	RMT.	**140**	**28000**	150	30000
ITEM NO.217 Supplying and erecting integrated LED Bollard Cylindrical / Cubical shaped 500mm 8W IP65 & IK10 class having extrusion aluminium housing with polycarbonate diffuser, having system lumens output of Min. 800 Lumens, min. efficacy of 100 lumen/W, CRI>80, CCT upto 6500K, THD0.90, operating range of 140-240V, inbuilt surge protection of 2 kV, Life class of 25,000 Hrs. at L50B50, including driver complete with minimum 2 Year warranty as per specification No FG-ODF/BL CSR 2-3-19	850	NO.	**6180**	**5253000**	6450	5482500
ITEM NO 218 Supplying and erecting integrated LED Bollard Cylindrical / Cubical shaped 800mm 8W IP65 & IK10 class having extrusion aluminium housing with polycarbonate diffuser, having system lumens output of Min. 800 Lumens, min. efficacy of 100 lumen/W, CRI>80, CCT upto 6500K, THD<10%, p.f. >0.90,operating range of 140-240V, inbuilt surge protection of 2 kV, Life class of 25,000 Hrs. at L50B50, including driver complete with minimum 2 Year warranty as perspecification No FG-ODF/BL.CSR 2-3-20	380	NO.	**6906**	**2624280**	7200	2736000
ITEM NO.219 Supplying and erecting LED square / circular Max. 14 W down lighter / Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 1500 Lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5% THD0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs at L70B50 including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-4	50	NO.	**1237**	**61850**	1300	65000
ITEM NO. 220 Supplying and erecting integrated LED street light fitting 23 to 25W IP65 & IK08 class having single piece pressure die-cast aluminium housing, having system lumens output of Min. 2300 Lumens, min. efficacy of 100 lumen/W, CRI>70, CCT upto 6500K, THD<10% p.f. >0.95, operating range of 140-270V, inbuilt surge protection of 10 kV, Life class of 50,000 Hrs at L70B50 including driver complete with minimum 2 Years warranty as per specification No. FGODF/SL. CSR 2-3-2	500	NOS	**2159**	**1079500**	2250	1125000

ITEM NO 221 Providing & erecting 3 m high (clear height) galvanised octagonal pole with foundation bolts having bottom of 130 mm A/F, top 70 mm A/F on provided foundation as per specification no. OH-PL/OPL CSR 8-2-9	500	NO	**10664**	**5332000**	11100	5550000
ITEM NO 222 Supplying & erecting watertight terminal box of 1.6 mm (16 gauge) CRCA sheet of size 200 x 150 x 150 mm, complete on pole as per specification No. CB-SB CSR 7-8-2	15	NO.	**491**	**7365**	520	7800
ITEM NO 223 Supplying and erecting LED Strip light Max. 45 W IP20 class having minimum lumens output of 800 Lumens/m, min. efficacy of 90 lumen/W, CRI>80, CCT upto 5000K, Beam Angle of 110 deg., THD<10%, p.f. >0.95, operating range of 230-270V, Life class of 30,000 Hrs at L70B50 including driver with minimum 1 year warranty as per specification No. FG-IDF/LED(IP Rated Out Door Quality) CSR 2-1-10	50	NOS	**1909**	**95450**	2000	100000
ITEM NO 224 Supplying LED concealed type foot / step light with aluminium body for indoor / outdoor application suitable for 4W - 6W LED including driver and erecting by making necessary arrangement / recess in wall to make it flush with surface with minimum 1 year warranty as per specification No. FG-IDF/LED CSR 2-1-12	840	NOS	**1935**	**1625400**	2050	1722000
ITEM NO 225 Supplying & erecting integral post top lantern fixtures (mushroom type) suitable for LED lamp upto 12 W consisting of clear acrylic top cover, cast aluminium pole cap complete with accessories on provided pole /bracket as per specification no. FG-ODF/PTL CSR 2-4-3	50	NOS	**1731**	**86550**	1800	90000
ITEM NO 226 Supplying & erecting integral post top lantern fixtures (globe type) suitable for LED lamp upto 12 W consisting of aesthetic round clear acrylic top cover, cast aluminium pole cap on provided pole /bracket as per specification no. FG/ODF/ PTL (Fixed on ground/Walls) CSR 2-4-4	50	NOS	**1659**	**82950**	1750	87500
ITEM NO 227LED type Solar street light fixtures with heat sink for LED,crystalline/ polycrystalline silicon solar PV modules,suitablesize of maintenance free battery along with 5.5 mtr , 65mmdia GI pole with civil foundation, base plate, nut , bolts etcand all accessories required for completing installation as perspecification MCGM R3-ME-5-6Solar street light of 24 Watt LEDMCGM R3-ME-5-6-e	125	NOS	**46191**	**5773875**	48000	6000000

ITEM NO.228 Supplying and erecting Gate / garden light fitting with 200mm dia. Glass bowl suitable for upto 12W LED Lamp on provided pipe as per specification No. FG-ODF/GLT. CSR 2-4-1	150	NOS	**636**	**95400**	670	100500
ITEM NO.229 Supplying and erecting Gate / garden light fitting with 300mm dia. Glass bowl suitable for upto 12W LED Lamp on provided pipe as per specification No. FG-ODF/GLT. CSR 2-4-2	110	NOS	**980**	**107800**	1020	112200
ITEM NO. 230 Supplying and erecting CRCA powder coated light LED fitting (4 feet) Max. 33W with high transitivity diffuser with system lumens output of Min. 4000 lumens, min. efficacy of 120 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., Ripple0.95, operating range of 120-270V, surge protection of 4 kV, Life class of 50,000 Hrs at L70B50 , IP20 rated including driver with end caps on provided PVC Block / wooded board with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-19	10	NO.	**1424**	**14240**	1500	15000
ITEM NO. 231 Supplying and erecting LED square / circular Max. 7W down lighter / Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 770 Lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs at L70B50 including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with minimum 2 years warranty as per specification No. FG-IDF/LED CSR 2-1-2	20	NO.	**671**	**13420**	700	14000
ITEM NO. 232 Supplying and erecting integrated LED flood light fitting Max. 155W IP65 & IK07 class having pressure die-cast aluminium housing, having system lumens output of Min. 18600 Lumens, min. efficacy of 120 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-270V, inbuilt surge protection of 4 kV, Life class of 50,000 Hrs at L70B50 including driver with U shaped bracket with minimum 2 Years warranty as per specification No. FGODF/LL. CSR 2-3-17	20	NOS	**10467**	**209340**	10900	218000
ITEM NO.233 Supplying and erecting integrated LED flood light fitting Max. 195W IP65 & IK07 class having pressure die-cast aluminium housing, having system lumens output of Min. 23400 Lumens, min. efficacy of 120 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-270V, inbuilt surge	20	NOS	**17847**	**356940**	18600	372000

protection of 4 kV, Life class of 50,000 Hrs at L70B50 including driver with U shaped bracket with minimum 2 Years warranty as per specification No. EGODE/ FL (Beam Type) CSR 2-3-18						
ITEM NO 234 Light fixtures complete with a) All fixing accessories, mounting Brackets etc. necessary for completeness of installation. b) Lamp of specified wattage c) Electronic ballast of suitable capacity as per specification SITC of Direct light outdoor floodlight Colour temperature [K]: 3000 MCGM R3-ME-4-1-i	20	NOS	**8729**	**174580**	9100	182000
ITEM NO 235Light fixtures complete with a) All fixing accessories, mounting Brackets etc. necessary forcompleteness of installation.b) Lamp of specified wattagec) Electronic ballast of sutable capacity as per specificationSITC of IP67 linear surface-mounted LED luminaire. Extruded Hshaped aluminum profile MCGM R3-ME-4-3-f	20	NOS	**22445**	**448900**	23400	468000
ITEM NO 236 SITC of IP67 flexible 24 V linear LED stripColor temperature (CCT) MCGM R3-ME-4-34-h	20	RMT.	**7481**	**149620**	7800	156000
ITEM NO. 237 Supplying and erecting Energy Saving Ceiling fan of 3 star rating as per BLT 230 V A.C. 50 cycles 1200 mm complete erected in position as per specification no. EG-FN/CF CSR 2-9-19	10	NO.	**1904**	**19040**	2000	20000
ITEM NO 238 Supplying and erecting electronic type step regulator for ceiling fan 600/ 900/ 1200/ 1400 mm. sweep, complete erected on provided switch board CSR 2-10-9	10	NO	**193**	**1930**	210	2100
ITEM NO 239 Supplying and erecting fan hook box of 10 mm M.S. round bar bounded to the R.C.C. bars upto 50 mm length each side and pierced through a 16 S.W.G. thick aluminium/M.S. Bowl 100 mm dia. or equivalent square size and having depth upto 75 mm complete erected with duly painted by one coat of red oxide paint and two coats of paint erected in position and without any leakage of slurry of cement concrete on either side of the box and positioned to the bottom level of the slab CSR 2-10-5	10	NO	**188**	**1880**	200	2000
ITEM NO 240 Supplying and erecting 'B' class G.I. pipe / M.S. pipe down rod duly painted for fan complete erected with PVC three core flexible cable 1 sq. mm copper PVC wire. CSR 2-10-6	10	Rmt.	**244**	**2440**	260	2600

ITEM NO 241 Point wiring for ceiling fan concealed type in min 20 mm HMS PVC conduit with 1.5 sq.mm. (2+1E) FRLSH grade copper wires, modular type switch, earthing and required accessories as per specification no. WG-PW/CW CSR -1-7-6	11	NO	**876**	**9636**	920	10120
ITEM NO 242 Point wiring for light/bell concealed type in min 20 mm HMS PVC conduit with 1.5 sq.mm. (2+1E) FRLSH grade copper wires, modular type switch, earthing and required accessories as per specification no. WG-PW/CW CSR 1-7-5	12	NO	**789**	**9468**	830	9960
ITEM NO 243 Point wiring for independent plug, concealed type in min 20 mm HMS PVC conduit with 1.5 sq.mm (2+1E) FRLSH grade copper wires, modular type switch and socket, earthing and required accessories as per specification No WGPW/ SW CSR 1-7-7	15	NO	**897**	**13455**	940	14100
ITEM NO 244 Point wiring for independent plug, concealed type in min 20 mm HMS PVC conduit with 1.5 sq.mm (2+1E) FRLSH grade copper wires, modular type switch and socket, earthing and required accessories as per specification No WGPW/SW CSR 1-7-7	10	NO	**897**	**8970**	940	9400
ITEM NO 245 Supplying & erecting CRCA sheet metal enclosures of 1.2mm thickness with 20A, 2 pin plug & earth socket and 20A, 3 pin plug top with 20A/32A single pole MCB having rated short - circuit breaking capacity (Icn) 10kA complete erected on provided angle iron/GI frame. CSR 5-4-13	2	NO	**950**	**1900**	990	1980
ITEM NO. 246 Supplying and erecting modular type switch 6A/10A on provided plate and box with wiring connections complete CSR 1-6-1	225	NO	**73**	**16425**	80	18000
ITEM NO. 247Supplying and erecting modular type switch 16A on provided plate and box with wiring connections completeCSR 1-6-2	50	NO	**109**	**5450**	120	6000
ITEM NO 248 Supplying and erecting shockproof 3 pin plug socket 6A with porcelain base flush type erected on filled polypropylene board or polished thick varnished double wooden block / folded or screwed board with top of either wooden/3mm thick hylam sheet/ 4mm thick plywood pasted with 1.5mm thick laminate with S M screws and duly connected. CSR 1-5-3	20	NO	**51**	**1020**	55	1100
ITEM NO 249 Supplying and erecting shockproof 3 pin plug socket 16A with porcelain base/flush type erected on filled polypropylene board or polished thick varnished double wooden block / folded or screwed board with top of either wooden/3mm thick hylam sheet/ 4mm thick plywood pasted with 1.5mm thick	20	NO	**68**	**1360**	75	1500

laminate With S M screws and duly connected.CSR 1-5-4						
ITEM NO 250 Supplying and erecting modular type 3 pin 6/16A multi socket with safety shutter on provided plate and box with wiring connections complete. CSR 1-6-11	20	NO.	**188**	**3760**	200	4000
ITEM NO 251 Supplying and erecting ceiling rose/ batten holder/ slanting holder/ hanging cord switch/ hanging bell push/ pendant holder bakelite base 6A erected on filled polypropylene board or polished double wooden block/ PVC junction box. CSR 1-5-5	10	NO.	**43**	**430**	50	500
ITEM NO. 252 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 4 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-31	500	Rmt	**302**	**151000**	320	160000
ITEM NO 253 Supplying & erecting mains with 3x4 sq mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places as per specification no. WG-MA/BW CSR 1-3-7	680	Rmt	**151**	**102680**	160	108800
ITEM NO. 254 Supplying and erecting GI earth conductor of required sizes used for earthing or any other purposes on wall with necessary GI clamps fixed on wall/cable/ conduit with screws complete CSR 9-2-5	15	KG	**170**	**2550**	180	2700
ITEM NO. 255 Supplying, installing and testing earthing with copper earth plate size 30 x 30 x 0.315 cm complete with all accessories of copper materials & recording the results as per specification no. EA-EP CSR 9-1-2	10	NO.	**6754**	**67540**	7050	70500
ITEM NO. 256 Supplying, installing and testing pipe type earthing with 40mm. dia. G.I. pipe or 20 mm dia. G.I. Rod complete with all accessories of GI materials & recording the results as per specification no. EA-EP CSR 9-1-4	15	NO.	**1553**	**23295**	1650	24750
ITEM NO. 257 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 6 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-32	180	Rmt	**402**	**72360**	420	75600
ITEM NO 258 Supplying, installing, testing and commissioning of 1 kWp OFF-GRID solar power pack with interconnecting wires / cables up to 12 V pure sine wave solar power inverter (THD<3%), SPV Modules (335 WP X 03 Nos.), C-10rated lead acid battery bank 12 V, 400 Ah / (12V, 100 Ah x 4 nos.) suitable for4 Hours backup with suitable MS powder	5	NO	**76565**	**382825**	79600	398000

coated stand to hold battery bank andkeeping sufficient space for filling distilled water, canopy box to house inverter and other electronics, wiring up to solar invertet in casing and capping, displayboard, sign board , two distinct earthing, spike type lightning arrester, necessary accessories complete with 5 year ON-SITE warranty and fully comprehensive maintenance contract as per specification no. ESD-RT-OFG CSR 4-4-1						
ITEM NO 259Preparing Lawn (30 cm. depth) - Excavating the ground to a required depth of 30cms, removing & conveying unwanted stuff to a required distance as directed. Filling fresh garden soil/silt & manure in excavated area in 3:1 proportion to a height of 30cms. Mixing garden soil and manure thoroughly well, leveling, and watering on previous night. Planting required variety of lawn grass as directed and maintaining till well established by watering, weeding, clinning rolling etc completePARK AND GARDENDSR	3000	SMT	699	2097000	730	2190000
ITEM TO.260 Preparing flower Bed -Excavating the ground to the required depth of 30cms. Removing and conveying unwanted stuff to a required distance as directed. Filling fresh garden soil & manure in excavated area in 3:1 proportion to a required height of 30cms Mixing garden soil and manure thoroughly well, leveling, watering, on previous night. Planting seedlings of required annuals 25cms apart Maintaining till well established by watering, weeding, Stirring replacing of casualties etc, Complete. PARK AND GARDEN DSR	2650	SMT	690	1828500	720	1908000
ITEM NO.261 GARDEN SOIL Supplying on site garden soil well sieved 90% to pass through IS sieve of 10 mm size free from stones rubbish like dried grass roots and other such materials. The soil should be fresh from quarry. The color of the soil generally is red. The soil will be measured by measuring box. (Farma) Item includes royalty charges, octroi, corporation Tax Transporting loading - unloading etc (Lead charges per 90 km considered) PARK AND GARDEN DSR .	2250	CMT	849	1910250	890	2002500
ITEM NO.262 FARM YARD MANURE:-Supplying on site well decayed, well dried, well powdered, without clods and free from stones, dried grass and other rubbish material. The color of the manure generally is black. The manure will be measured by measuring box (Farma)Item includes Transporting, loading -unloading etc (Lead charges per 30 kom. are considered) PARK AND GARDEN DSR	300	CMT	829	248700	870	261000

Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in pollybag. (Wherever applicable)						
ITEM NO.263 Sapling of small & medium Ornamental flowering plants, Ornamental ficus, Mussanda etc. Thuja, Cupresus, Common Ornamental Shrubs for Shrubbery PARK AND GARDEN DSR	3980	NOS	**51**	**202980**	55	218900
ITEM NO.264 Palm Varities (Red Palm, Fox Tail Palm, Bottle Palm, Rhaphis Palm, Table Palm, Cristal Palm etc.) 6-8ft PARK AND GARDEN DSR	300	NOS	**1314**	**394200**	1400	420000
ITEM NO.265 Plants required for Landscaping: (Euphorbia, Hemelia, Malphegra, Mussanda, Ticoma, Song of India, Golden Bamboo, Buddhas Bamboo, Golden Ficus, Phonicus Palm X'mas Tree, Ficus Panda etc.) 4-5 ft PARK AND GARDEN DSR	800	NOS	**278**	**222400**	290	232000
ITEM NO. 266Preparing Shrubbery - Excavating the ground to required depth of 30cms, removing and conveying unwanted stuff to a required distance as directed. Filling fresh garden soil & Manure in excavated area in 3:1 proporation to a height of 30cms. Mixing garden soil & manure thoroughly well, leveling, and watering on peevious night, planting well developed shrubs plant 0.5 Mtrs. apart as directed and maintaining till well established by watering, weeding, stirring, replacing casualties etc. complete.PARK AND GARDENDSR	1176	SMT	**659**	**774984**	690	811440
ITEM NO. 267 Forrest Trees (Peltophorum,Bakul,Kecia,Neem,Tabobia,ETC) Annex B(8-10 FEET) PARK AND GARDEN DSR	60	NOS	**657**	**39420**	690	41400
ITEM NO. 268 Trimming of trees having girth between 2' to 5' MCGM R3-GW-8-2	100	NOS	**2368**	**236800**	2500	250000
ITEM No.269 Plant Protection measures for tree having girth between 2'to 5' MCGM R3-GW-8-22	350	NOS	**292**	**102200**	310	108500

ITEM NO.270 Quisqualis 24indica 6 " to 9 " height excluding pollybag MCGM R3-GW-5-205	400	NOS	17	6800	20	8000
ITEM NO. 271 Bougainvillea purviana Thimma 6 " to 9 " height excluding pollybag MCGM R3-GW-5-20	650	NOS	35	22750	40	26000
ITEM NO.272 Codieum variegatum Hybrid croton 6 " to 9 " height excluding pollybag MCGM R3-GW-5-37	50	NOS	46	2300	50	2500
ITEM NO. 273 Samanea saman Rain tree 4' to 5 ' height excluding pollybag MCGM R3-GW-5-295	50	NOS	82	4100	90	4500
ITEM NO. 274 Roheo discolor Rhoeo Nana 4" to 6" height excluding pollybag MCGM R3-GW-5-145	50	NOS	12	600	15	750
ITEM NO. 275 Roheo discolor Rhoeo Tall 4" to 6" height excluding pollybag MCGM R3-GW-5-146	50	NOS	23	1150	25	1250
ITEM NO.276 Delonix regia Gulmohar 4' to 5 ' height excluding pollybag MCGM R3-GW-5-261	50	NOS	82	4100	90	4500
ITEM NO.277 Verbena 6 " to 9 " height excluding pollybag MCGM R3-GW-5-158	50	NOS	17	850	20	1000
ITEM NO.278 Chlorophytum laxum Dwarf Chlorophytum 6 " to 9 " height excluding pollybag MCGM R3-GW-5-40	50	NOS	23	1150	25	1250
ITEM NO.279 Chlorophytum comosum Spider Plant 6 " to 9 " height excluding pollybag MCGM R3-GW-5-39	50	NOS	23	1150	25	1250
ITEM NO.280 Mangifera indica Mango 4' to 5 ' height excluding pollybag MCGM R3-GW-5-284	25	NOS	146	3650	160	4000

वरील कामी **मे. गजानन कंस्ट्रक्शन** यांनी **वरील दराची (रु. 40,13,42,665/-)** निविदा सादर केल्या आहेत. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. महाराष्ट्र शासन, शासन निर्णय क्रमांक :- मनपा-2024/प्र.क.221/नवि-16 (₹-815728)दि.05 सप्टेंबर 2024 अन्वये सदर कामास तत्वत: मान्यता देऊन सदर कामासाठी रु.2.00 कोटी रक्कम मंजुर केल्याने रु.2.00 कोटीच्या मर्यादेत काम करणे आवश्यक आहे. पुढील काम टप्प्याटप्प्याने निधी मंजुर झाल्यानंतर करावयाचे आहे. त्यानुसार निधी उपलब्धतेप्रमाणे टप्प्याटप्प्याने कार्यादेश देण्यात येतील.

नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार मान्यता देण्यास शिफारस आहे.

(दिपक खांबित)
शहर अभियंता
मिरा-भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव दिनांक 04/02/ 2025

प्रकरण क्र. (४२४) :- निविदेस मान्यता देणेबाबत.

ठराव क्र. (४२४)

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव
1	2	3	4	5
1.	1129091_1	मिरा भाईंदर महानगरपालिका हद्दीतील विविध उद्याने विकसित व सुशोभिकरण करणे. (मुलभुत सोई सुविधाचा विकास)	रु.40,13,42,665/-	मे. गजानन कस्ट्रक्शन मे. बिटकॉन इंडिया इन्फ्रास्ट्रक्चर डेव्हलोपर्स प्रा.लि.

Item Description	Qty	Unit	M/s. Gajanan Construction		M/s. Bitcon India Infrastructure Developers Pvt Ltd	
			Rate	Amount	Rate	Amount
III M NO 01 Providing detailed geological reports of proposed site by maintaining geotechnical investigation of structure stratification collecting soil, rock and ground water samples for laboratory tests to arrive the foundation design parameters . Rock properties such as type of rock, jointing fractures, etc. complete with suggestion about the site foundation and remedies. SSR 1.57.20	18	REPORT	41087	739566	42700	768600
III M NO 02 Removing cement tiles,or marble or polished shahabad floor or dado without bed concrete including stacking the materials as directed with all leads, lifts etc complete SSR 46.19.297	325	SMT	48	15600	50	16250
III M NO 03 Dismantling brick masonry in lime or cement mortar and stacking the materils as directed with all leads, lifts etc. SSR 46.09.296	25.00	CMT	355.00	8875	370	9250
III M NO 04 Dismantling stone masonry in lime or cement mortar including stacking the materils as directed with all leads, lifts etc. SSR 46.11.296	18.50	CMT	403.00	7455.5	420	7770
III M NO 05 Dismantling the R.C.C. Work 1:2:4 and sorting out the materials such as steel etc. as directed and stacking them within the specified lead as directed etc. complete. SSR 46.29.297	168	CMT	1540	258720	1600	268800
III M NO 06 Dewatering on HP basis by using water pump including diversion of stream, providing cofferdams, earthern bunds etc as may be necessary for foundation and other parts of the the works and pumping out water during and after excavation as may be required by using 10.0 to 19.0 HP pump etc. complete. (prior approval of	240.00	HRS	237.0	56880	250	60000

Superintending Engineer will be necessary) SSR 12.24.86						
ITEM NO 07 Excavation for foundation in earth ,soil of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of 50m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary backfilling, ramming, watering including shoring and strutting etc. complete. (Lift upto 0.00 to 1.50 m.) By Manual Means SSR 21.01 / 153	84.0	CMT	**254.0**	**21336**	270	22680
ITEM NO 08 Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical MeansSSR 21.02 / 153	9944.3	CMT	**220.0**	**2187746**	230	2287189
ITEM NO 09 Excavation for foundation in earth, soils of all types, sand,gravel and soft murum, including removing the excavated material upto a distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift from 1.5m to 3.0m) By Mechanical Means SSR 21.04 / 153	4577.2	CMT	**274.0**	**1254152.8**	290	1327388
ITEM NO 10 Excavation for foundation / pipe trenches in slush muddy /marshy / slushy / soil including use of poclain, labour for dewatering during execution including removing the excavated material upto a distance of 50 metres and lifts as below, stacking and spreading as directed, preparing the bed by cleaning the mud, labour required for execution for shuttering item but excluding backfilling, etc. complete. Providing and fixing shuttering shall be paid separately. MJP DSR/53 8	120.0	CMT	**411.0**	**49320**	430	51600
ITEM NO 11 Excavation for foundation in hard murum and boulders including removing the excavated material up to a distance 50 metres, beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5m.) By Mechanical Means SSR 21.10/154	10.0	CMT	**267.0**	**2670**	280	2800
ITEM NO 12 TRANSPORTING OF EXCAVATED MATERIALS lead 20.00 k.m. SSR in Statement C 1 (Page 560)	13505.9	CMT	**473.0**	**6388290.7**	500	6752950

ITEM NO 13 Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layers including watering and compacting etc. complete. SSR 21.36/157	1473.5	CMT	**127.0**	**187134.5**	140	206290
ITEM NO 14 Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete. SSR 21.37 / 157	14356.6	CMT	**1225.0**	**17586835**	1250	17945750
ITEM NO 15 Watering and compacting of embankment formed of materials obtained from the road cutting within a lead of 50 m, not less than 97 % of standard Proctor density after laying them in layers of 20 cm. to 30 cm. with vibratory roller. SSR 2.23.24	100.0	CMT	**97.0**	**9700**	105	10500
ITEM NO 16 Providing dry / trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete. SSR 21.38 / 157	2059.3	CMT	**3275.0**	**6744207.5**	3450	7104585
ITEM NO 17 Providing and laying Cast in situ Ready Mix cement concrete in M20 of trap/ granite/ quartzite/gneiss metal for bed blocks, foundation blocks and such other items including bailing out water, Steel centering, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.), with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) (PCC)SSR 24.10 / 176	891.5	CMT	**8481.0**	**7560811.5**	8850	7889775
ITEM NO 18 Providing and laying Cast in situ Ready Mix cement concrete M-30 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C columns and steel stanchion etc. columns as per detailed designs and drawing or as directed including Steel centering formwork, cover blocks laying pumping, compaction finishing the formed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel), with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) SSR 25.15/178	1311.4	CMT	**9227.0**	**12100287.8**	9500	12458300

ITEM NO 19 Providing and laying Cast in situ Ready Mix cement concrete M-30 of trap / granite /quartzite/ gneiss metal fo R.C.C. columns as per detailed designs and drawing or as directed including steel centering, formwork,cover blocks laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) SSR 25.35.180	174.5	CMT	**16315.0**	**2846967.5**	17000	2966500
ITEM NO 20 Providing and laying Cast in situ Ready Mix cement concrete in M-30 of trap/ granite/ quartzite/ gneiss metal for R.C.C. pards of required thickness including steel centering, formwork, cover blocks, laying/pumping, compacting and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) SSR 26.19/185 RA	959.8	CMT	**18286.0**	**17550902.8**	19000	18236200
ITEM NO 21 Providing and laying Cast in situ Ready Mix cement concrete M-30 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/ pumping, compactionand roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) SSR 25.54 /181	364.401	CMT	**14707**	**5359245.507**	15300	5575335.3
ITEM NO 22 Providing and laying Cast in situ Ready Mix cement concrete M-30 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and	190.575 5	CMT	**16473**	**3139350.212**	17200	3277898.6

structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)SSR 25.74 / 183						
ITEM NO 23 Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels purdis, copings, fins, arches etc. as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete. SSR 26.33 / 188	402.65	MT	**95187**	**38327045.55**	98000	39459700
ITEM NO 24 Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted /welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete SSR 23.01/173	73	MT	**108070**	**7889110**	112500	8212500
ITEM NO 25 Providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates etc. as per detailed designs and drawings or as directed including cutting, fabricating, hoisting, erecting fixing in position, Making riveted/ bolted/ welded connection and one coat of anticorrosive paint and over it 2 coats of oil painting approved quality and shade etc complete. SSR 23.04 /173	25	MT	**126762**	**3169050**	132000	3300000
ITEM NO 26 Providing sacrificial shuttering for deck slab made up with galvanised Cold Rolled Cold Annealed (CRCA) steel of 310 MPA Grade with all Contractor's material, labour, erection fixing, welding etc. (Decking Sheet SSR 17.70/141	3.5	MT	**70425**	**246487.5**	73200	256200
ITEM NO 27 Centering and shuttering of steel plates with M.S. Angles including strutting, propping etc. and removal of form for Cornices and mouldings. MCGM R3-CS-CW-30-j	272	SMT	**785**	**213520**	820	223040
ITEM NO 28 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete SSR 27.05 / 197	1333.93 0326	CMT	**10133**	**13516716**	10500	14006268.4
ITEM NO 29 Providing uncoursed rubble masonry of trap / granit / quartzite / gneiss stones in cement mortar 1:6 in superstructure including racking out joints when plastering is to be done / striking joints when no plastering is to be done on inside watering and scaffolding etc complete. SSR 28.04/199	63.6	CMT	**7939**	**504920.4**	8250	524700

ITEM NO 30 Providing coursed rubble masonry second sort of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in superstructure including raking out joints when plastering is to be done and striking joints when no plastering is to be done on the inside, watering scaffolding etc.completeSSR 28.10/146	18	CMT	**13901**	**250218**	14500	261000
ITEM NO 31 Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc complete SSR 32.11 / 209	5891.01 1	SMT	**708**	**4170835.788**	740	4359348.14
ITEM NO 32 Providing and applying Texture plaster with finishing with texture material of approved make in 3 to 4 millimeter thickness on previously plastered surface, including Plaster Groove 6mm thickness or Tape Grooves 35 to 45 mm thickness or as required, in all position including preparing the surface. scaffolding etc. complete. SSR 32.32/211	3303.36	SMT	**666**	**2200037.76**	700	2312352
ITEM NO 33 Providing and applying two coats Apex Ultima Puranature Anti-Pollution Or equivalent approved brand, paint should decomposes organic substances and inorganic gases(NOx, VOC's, CO, SOx, formaldehydes, etc) in presence of natural or artificial light. It contains Graphene and nanoparticles of titanium oxide, and Absorbs CO2 (4.8 Kilogram/15 l). plaster crack should be filled by Acrylic base Crack seal/Textured Crack filler, Paint has to applied on one coat of Apex Ultima Puranature Anti-Pollution Primer or Equivalent. Warranty Should be given by the Manufaturer The work should be done by the Manufacturer Recommended applicator and he should be able to furnish stage wise onsite technical reports from the concerned company technologist SSR 50.79/ 346	6873.26 1	SMT	**395**	**2714938.095**	420	2886769.62
ITEM NO 34 Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete. SSR 32.04 / 209	1210.92	SMT	**309**	**374174.28**	330	399603.6
ITEM NO 35 Providing and applying plaster with plaster of paris in 6mm thickness to previously plaster surface in all position including preparing the surface scaffolding etc. complete. SSR 32.27/210	187.59	SMT	**153**	**28701.27**	160	30014.4

ITEM NO 36 Providing and applying priming coat on concrete/ masonary/ Asbestos Cement plastered surfaces including scaffolding if necessary, preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and sand papering as required etc. complete. SSR 35.21 / 225	1398.51	SMT	**38**	**53143.38**	40	55940.4
ITEM NO 37 Providing and applying pearl/ luster finish paint of approved colour and shade to the existing plaster surface including scaffolding, preparing the surface, applying the acrylic wall putti etc. complete. SSR 35.23 / 225	1398.51	SMT	**229**	**320258.79**	240	335642.4
ITEM NO 38 Providing and laying pitching on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and technical specifications etc. complete. (by stone boulder) SSR 14.72.501	302	CMT	**1986**	**599772**	2100	634200
ITEM NO 39 Providing and laying weep holes of 100 mm diameter PVC pipes as per drawing for abutment returns, return walls etc. Complete.SSR 17.37/132	416	RMT	**566**	**235456**	590	245440
ITEM NO 40 Providing and laying vitrified mirror / glossy finish tiles having size 590 mm to 605 mm x 590 mm to 605 mm of 8 to 10 mm thickness and confirming to IS: 15622-2006 (group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints, curing and clearing etc. complete.b) Skirting SSR 33.41 / 266	95.85	SMT	**1347**	**129109.95**	1400	134190
ITEM NO 41 Providing and laying vitrified matt fininsh tiles having size 590 mm to 605 mm x to 605 mm of 8 to 10 mm thickness and confirming IS: 15622-2006 (Group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement morar including neat cement float, filling joints, curing and cleaning etc.complete. SSR 33.42/217	90	SMT	**1716**	**154440**	1800	162000
ITEM NO 42 Supply & Fixing of Rock / Stone Finished outdoor vitrified flooring Tiles 20 mm thick and required width wide in plain pattern including Cement float, filling joints, with neat cement slurry, Natural sand, curing and cleaning complete, with prior approval of concerned Superintending Engineer. SSR 50.13/332	585.74	SMT	**3042**	**1781821.08**	3200	1874368
ITEM NO 43 Providing and laying Antiskid Ceramic tiles of approved quality of size 30 cm x 30 cm and confirming to IS 15622-2006 (Group-B IIA) for antiski flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with cement slurry cleaning curing etc complete. SSR 33.67/220	80.28	SMT	**1289**	**103480.92**	1350	108378

ITEM NO 44 Providing and laying ceramic tiles having size 30 cm. x 60 cm. confirming to corresponding I.S. for dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete. SSR 33.27/264	133.98	SMT	**1493**	**200032.14**	1600	214368
ITEM NO 45 Providing and laying machine cut machine Polished Kota stone flooring 25mm to 30mm thick and required width in plain/ diamond pattern on bed of 1:6 C. M. including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete. SSR 33.06 / 213	643.585	SMT	**1343**	**864334.655**	1400	901019
ITEM NO 46 Providing and laying machine cut machine polished machine cut Kota stone slabs 20 to 25 mm thick for treads and risers of steps and staircases, with rounded nosing for the treads on a bed of 1:4 cement mortar including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete. SSR 33.18 / 263	20.4	SMT	**1688**	**34435.2**	1800	36720
ITEM NO 47 Providing and laying in position flooring of telephone black / Amba White / Cat bary brown / Ruby red / Ocean Brown granite stone of approved shade and size 18 mm to 20 mm thick on bed 1:6 cement mortar including cement floats striking joints, pointing in C.M. 1:3 curing and cleaning etc. complete. SSR 33.34 / 216	292	SMT	**4290**	**1252680**	4500	1314000
ITEM NO 48 Providing and laying rough natural stone tiles 25 mm to 30 mm thick of an approved quality and size for paving / flooring including cement mortar bedding of 25 mm thick in 1:4 proportion, cement float, pointing in cement mortar 1:3, cutting, dressing, leveling, jointing, pointing, curing, finishing etc complete as directed by Engineer In Charge.MCGM/ R3-CS-11.-0425 to 30 mm thk. rough Kota stone /Sand stone) MCGM/ R3-CS-11-04-c	211.45	SMT	**1000**	**211450**	1040	219908
ITEM NO 49 Providing and laying telephone black / Amba White / Cadburybrown / Ruby red / Ocean Brown granite stone of 18 to 20 mm thick for door frame/ dado/ window boxing etc. On C.M. 1:6 including filling joints with polymer base filler nosing moulding the sharp edges wherever necessary, curing, etc. complete. SSR 33.68/220	102.8	SMT	**4672**	**480281.6**	4900	503720
ITEM NO 50 Providing and fixing in position. (as per I.S.1868 / 1982) Aluminium sliding window of two tracks with rectangular pipe having overall dimension 63.50 x 38.10 x 1.02 mm at weight 0.547 Kilogram/Running metre, and window frame bottom track section 61.85 x 31.75 x 1.20 mm at weight 0.695	28.8	SMT	**5814**	**167443.2**	6050	174240

Kilogram/Running metre. Top and side track section 61.85 x 31.75 x 1.30 mm at weight 0.659 Kilogram/Running metre. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 Kilogram/Running metre. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 Kilogram/Running metre. And handle section 40 x 18 x 1.25 mm at weight 0.417 Kilogram/Running metre. and top section 40 x 18 x 1.25 mm at weight 0.417 Kilogram/Running metre. As per detailed drawings and as directed by Engineer in charge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5 mm thick plain glass with all required screws and nuts etc. complete. With colour Anodising with box. SSR 39.37 / 251						
ITEM NO 51 Providing and fixing in position aluminium partly openable and partly fixed window of any size as per detailed drawing and as directed by Engineerincharge with all necessary alluminium sections including necessary fixtures and fastening with 5 mm thick float glass etc. complete. a) Without powder coating Note While arriving at the rate of item of item weight at 6.90 Kilogram/Square Metre is considered. SSR 39.54/257	14.4	SMT	**6730**	**96912**	7000	100800
ITEM NO 52 Providing and fixing in position b) Powder Coated aluminium fixed window fully glazed of any size as per detailed drawing and as directed by Engineerincharge with all necessary alluminium sections including necessary fixtures and fastening such as 5 mm thick clear float glass etc. complete. SSR 39.53B/257	7.2	SMT	**6065**	**43668**	6350	45720
ITEM NO 53 Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with powder coating as per detailed drawing and specifications including aluminium frames 80 x 38 mm x 1.22 mm box type, 5 mm thick sheet glass louvers of approved quality etc. complete. SSR 39.68 / 323	7.2	SMT	**3679**	**26488.8**	3850	27720
ITEM NO 54 Providing and fixing frame with / without ventilator of size as specified with Country cut teak wood for doors and windows including chamfering, rounding, rebating, iron boldfast of size 300mm x 40mm x 5mm with oil painting, etc. complete SSR 39.01 / 303	1.13995 3226	CMT	**212279**	**241988.1309**	221000	251929.663
ITEM NO 55 Providing and applying melamine polish of required finish to the wood work by spray machine including knotting and preparing the even surface by scraping, applying French polish , scaffolding if required etc. complete. Note:The work to be executed on prior approval of Superintending Engineer will be necessary SSR 34.09/273	33.292	SMT	**880**	**29296.96**	920	30628.64

ITEM NO 56 Providing and fixing solid core flush door shutter in single leaf 32 mm thick decorative type of exterior grade as per detailed drawings approved face veneers 3 mm thick on both faces or as directed, all necessary beads, mouldings and lipping, wrought iron hold fasts, chromium plated fixtures and fastenings, with brass mortise lock, chromium plated handles on both sides, and finishing with French Polish etc complete. SSR 39.09 / 246	81.36	SMT	**3267**	**265803.12**	3400	276624
ITEM NO 57 Providing and fixing stone cladding(Rubble,malad,etc). on external face of the wall, with all the necessary materials along with finish in pigment, including all labour ,etc complete approved MR	449.36	SMT	**8946**	**4019974.56**	9300	4179048
ITEM NO 58 Providing cement based water proofing treatment to terraces (Indian water proofing or alike) with brick bats laid in required slope to drain the water for any span after cleaning the base surface. Applying a coat of cement slurry admixed with approved water proofing compound and laying the brick bats on bottom layer in C.M.1:5 admixed with approved water proofing compound filling up to half depth of brick bats, curing this layer for 3 days, applying cement slurry over this layer joints of brick bats with C.M.1:3 admixed with approved water proofing compound and finally top finishing with average 20 mm. thick layers of same mortar added with jute fiber at 1 Kg per bag including finishing the surface smooth with cement slurry admixed with approved water proofing compound. Marking finished surface with false squares of 300mm x 300 mm. making the junctions at the parapet rounded and tapered top for required height, with drip mould at the junction of plaster and parapet and curing and covering 10 years Guarantee against leakproofness on Court fee stamp paper of Rs. 500/- including ponding test etc. complete. SSR 31.04 / 205	319.13	SMT	**1388**	**442952.44**	1450	462738.5
ITEM NO.59 Providing waterproofing in W.C. and bath including brick bat coba in all position including providing and laying 12mm bedding in cement mortor 1:3 on vergin concrete slab with waterproofing compound @ 1Kilogram/per bag of cement laying brick bat coba of required thickness in cm 1:5 with waterproofing compound 1 Kilogram/bag of cement grouting and finishing the top layer with 20mm thick brick bedding in cm mortor 1:3 with waterproofing compound 1 Kilogram/per bag of cement and testing the treated portion for 48 hours by pond test and covering ten years' guarantee on requisite stamp paper including curing etc. complete. SSR.31.26/208	14.016	SMT	**8015**	**112338.24**	8350	117033.6

ITEM NO 60 Providing and fixing 20 to 25 mm thick rough shahabad box type waterproofing for basement or underground floor on a base of Cement concrete 1:3:6, including sub base of 2.50 centimeter thick Cement mortar 1:3 with conceal, secrete (RMW), Algae proof or other alike waterproofing liquids, raking of joints upto 35 mm depth, filling the joints with 6 mm size crushed metal, hand grouting with cement slurry, curing and cleaning, with 7 years guarantee on court fee stamp of Rs. 100/- with ponding test etc complete. (excluding Cement concrete 1:3:6 base concrete) SSR 31.12/253	78.18	SMT	**1390**	**108670.2**	1450	113361
ITEM NO 61 Providing and fixing 20 to 25 mm thick rough shahabad box type waterproofing treatment to vertical outside faces of Reinforced Cement concrete walls of basement or underground floor including filling the gap of 25 mm between rough shahabad and R.C.C. walls with cement grout mixed with wate proofing liquid Algae proof or other alike with one tile lift method, brushing the joints horizontally with cement slurry mixed with water proofing liquid for width 30 to 35 mm and sloping coping over topmost tile with cement mortar 1:3 butting the bottom most with Cement concrete 1:2:4 mixed with water proofing liquid, curing, with 7 years guarantee on court fee stamp of Rs.100 - with ponding test etc complete. (excluding Cement concrete 1:3:6 base concrete)SSR 31.13/254	106.56	SMT	**1445**	**153979.2**	1550	165168
ITEM NO 62 Providing preconstructional antitermite treatment as per I.S. 6313 (Part-I) to the soil along the external face of building by punching holes of 1.2 of 1.5 C.M. diametre about 30 -60 cm deep at 15 cm c/c as close to the wall as possible and to inject 0.5 percent of aldrin or clorophyrifos at the rate of 7.5 litres per hole and sealing the same with proper filling and covering 10 years guarantee on bond paper. SSR 21.25.192	4837.91	SMT	**187**	**904689.17**	200	967582
ITEM NO 63 Supply and installation of cubicles of width and depth as per Athena Lite- SS Series Cubicles- Std Sizes (W x D x H: 900 mm x 1550 mm x 2105 mm, (Height is including 100 mm gap from bottom, Door Width- 600 mm specifications/ site drawings). Cubicle height to be 2105 mm. Made from solid grade compact high pressure laminate as per IS 2046 and EN-438 manufactured under high specific pressure > 5 MPa and temperature >120°C. All doors will be of single colour and made of 12 mm thick Merino HPL compact panel. The doors will have chamfered edges. Each door will be supported by 3 stainless steel made hinges affixed to the pilasters. Size of panels to be as per drawing. HARDWARE & ACCESSORIES are H shaped (Top) head frame structure made of extruded Aluminium grade 6063 T5-50 micron epoxy powder coated for surface protection.	68.292	SMT	**11880**	**811308.96**	12400	846820.8

Size to be 125x70x5T. Corner joinery section, Size to be 40x16.5x1.8T. U-Channel Wall joinery section,Size to be 22x16x1.6T. Door stopper section, Size to be 21x12.5x1.6T. Spring loaded Butt Hinges made from Stainless steel grade 304. Surface finish to be matt type. Covers to be lacor coated.etc complete. SSR 51.162/504						
ITEM NO.64 Supply of hand finish top machine cut, 3 line dressing Cobble Stone in size 100 x 100 x 100mm in grey colour to be fixed on prepared sub-base with cement mortar 1:4 40 mm thick and cement slurry, filling of joints in C.M. 1:2 with grey cement to match the colour of cobble stone in the required pattern, design and as directed by the Engineer incharge, including cleaning, curing etc. complete as specified and as directed by the Engineer. NOTE:- THIS ITEM SHOULD BE OPRATED ONLY AFTER SPECIFIC SANCTION OF DIR(E.S.&.P.) or Equivalent. MCGM R3-RW-3-38	1800	SMT	**1102**	**1983600**	1150	2070000
ITEM NO.65 Providing & fixing in the footpath Combi-Paver having average crushing strength not less than 80 N/mm² as per technical specifications and IS Code 15658:2006, shot blasted 60mm thick in approved texture and colour and combination size 100 x 200, 125 x 200, 175 x 200, 225 x 200, 275 x 200 to be fixed on average compacted thickness 25 mm well graded sand cushioning uniformly compacted with proper capacity mechanical compactor with required level, grade and camber etc. complete as specified and as directed by the Engineer NOTE:- THIS ITEM SHOULD BE OPRATED ONLY AFTER SPECIFIC SANCTION OF DIR(E.S & P.) or Equivalent. Approved MR	450	SMT	**1870**	**841500**	1950	877500
ITEM NO.66 GRASS JOINT PAVING:Providing and laying machine cut machine polished kota stone flooring for Grass joint paving, 25mm to 30mm thick required width in plain pattern on bed of 1:6 C.M. including cement float, curing, polishing and cleaning including removing unwanted stuff as directed. Excavation for Planting of Lawn Digging of Soft surface up to 30 Cm. as per drawing and specification provided by Engineer In-charge Approved MR	1475	SMT	**1613**	**2379175**	1700	2507500
ITEM NO.67 Stamp Concrete of 100mm Thickness - Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm thickness pavement over a prepared sub base with 43 grade cement, coarse and fine aggregate (natural sand / VSI grade finely washed crushed sand) Confirming to IS 383, as per mixed in a batching and mixing plant / non tilting mixer and weigh batcher as per approved mix design, admixtures, transporting to site in nagpur city with lead upto 20KM (on	1556	SMT	**1893**	**2945508**	2000	3112000

Inner Ring Road from Avasti nagar to wadi), spreading, laying with approved make paver, compacted and finished in a continous operation, fatishing to lines and grades Also Providing, Placing and applying stamp powder which is light fast UV resistant pigment with appropriate chemical compounds of desired colour on base concrete after excess bleed water has evaporated using dry shake method @5kg per sqm.						
Including texturing, and covering with plastic sheet (min 200 micron thickness) and also applying two coats of UV-stable,30 %w solidsclear sealer @ 150 to 250 gms per sqm using surface roller and protecting from fallingdust,dirt and curring by curring compound / by providing cement vata in cement Mortor 1:8 @ 0.6m x 0.6m center to center, admeasuring 80mm at bottom and 40mm at top withdepth of 75mm and maintaining the same throughout curing period by any other method approved by Engineer-incharge or Landscape architect etc. complete. (prior approval of superinteding Engineer will be necessary) SSR 54.01 / 513						
ITEM NO 68 Providing and casting in situ or precast tapering R.C.C. M-20 Semi Barrier type Kerb with gutter (as per IRC 86:1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated staff any where in city and redoing the surface as specified and directed by Engineering Incharge. Using Concrete Batching and Mixing Plant SSR 7.05.69	1960	RMT	**2393**	**4690280**	2500	4900000
ITEM NO 69 Providing and fixing corrugated galvanised iron sheets of 0.63mm thick (24 B.W.G.) for roofing without wind tiles including fastening with galvanised iron screws and bolts, lead and bitumen washers as per drawing etc. complete (Weight of 5.5 kg/sq.m.). SSR 38.04/233	516.968	SMT	**923**	**477161.464**	960	496289.28
ITEM NO 70 Providing and applying one coat of aluminium paint of approved make to new structural steel work in building and workshop including scaffolding if necessary, cleaning and preparing surface (excluding primer coat) etc. complete. SSR 35.05/223	286.08	SMT	**91**	**26033.28**	95	27177.6
ITEM NO 71 Providing and fixing mild steel grill work for windows, ventilators etc. 20 Kilogram Square Metre as per drawing including fixtures, necessary welding and painting with one coats of anticorrosive paint and two coats of oil painting complete. SSR 40.01 / 264	107	SMT	**2225**	**238075**	2350	251450
ITEM NO 72 ACP Cladding: - Providing,supplying,fabricating and fixing panel of aluminium composite panel	378	SMT	**4107**	**1552446**	4300	1625400

cladding in approved shape made out of 4 mm thick ACP sheet material consisting of 3mm thick FR grade mineral core following NBC part IV Fire and life safety (having 2 hours fire resistance in accordance to ASTM E119-12 and BS476 part 6 and 7 class O) sandwitched between two aluminium sheets (each 0.5 mm thick of AA 5005/AA3105 grade) The aluminium composite panel cladding sheet shall be coil coated with kynar 500 based PVDF Lumiflon based fluropolymer resin (having 70:30 ratio of PVDF and acrylic) coating of approved colour and sg=hade on top face and polymer (service) coating of bottom face as specified using stainless steel screws,nuts,bolts,washers,cleats,weather silicon sealent,backer rods etc .overall weight of the ACP shall not be less than 7.5 Kilogram/Square Metre(SNR 51.100.378						
ITEM NO.73 Aluminium Fins:- Providing and Fixing Horizontal fins with 3"x1" Aluminium Tubular Section Powder coated Horizontally with 1" facing and 3" Gap in to in in sections with 1"1" Aluminium Angle powder coated fixed at top and bottom for fixing, with Hardware , with labour inclusive Approved MR	52	SMT	**4608**	**239616**	4800	249600
ITEM NO. 74 Providing and fixing in position UV resistant, fire retardant, virtually unbreakable and temperature resistant (-40° C to +130° C) Polycarbonate corrugated sheet of 2mm thickness for roof of approved make to match the roof profile at any height with G.I. J hooks bolts of G.I. clamps nuts & bolts or with self drilling fastener and EPDM washer etc. complete as directed. MCGM R3-CS-RW-08	105.88	SMT	**1844**	**195242.72**	1950	206466
ITEM NO.75 Providing and fixing 80mm thk. Glass bricks of approved make, size and type in glass block adhesive including filling joints with glass block grout, cleaning etc. complete as directed by Engineer in charge. MCGM R3-CS-11-19	45	SMT	**2299**	**103455**	2400	108000
ITEM NO.76 Providing and fixing of factory made uPVC casement window / Fixed Window & Casement Door (White Colour) comprising uPVC multi-chambered frame, Sash, & Mullion with wall thickness of 2.3mm (+- 0.2 mm), duly reinforced with G.I. section 1.5 mm, wherever required. uPVC window & door profile shall be made in India & shall conform to BS EN 12608 and other standards as mentioned below: S.No. Name of the test Test Method Specified Parameter 1 Tensile Impact Strength ISO 8256 - more than 700Kj/m2 2 Vicat Softening Temperature EN ISO – 306 Shall not be < 750C 3 Charpy Impact Strength EN ISO – 179-2 Shall not be < 20KJ/m2 4 Flexural Modulus Elasticity EN ISO – 178 Shall not be < 2200 N/mm2 5 Mean						

Breaking Stress for welded corner (a) For the tensile bending test EN – 514 Shall not be < 25 N/mm2 (b) For the compression bending test Shall not be < 30N/mm2 6 Heat Reversion Test IS:4985-2000 Shall not be > 2.0 % 7 Surface Spread of flame BS : 476 - Part 7 Classification 1 8 Ignitability Evaluation BS : 476 - Part 5 'P' Not easily ignitable 9 Tensile modulus ASTM D 638 Shall not be < 35 MPa 10 Shear Modulus ASTM D 732 Shall not be < 220 MPa 11 Tensile Strength EN ISO 527 Shall not be < 30 MPa.						
All corners of frame and sash will be fusion welded. Mullion shall be welded / screwed. EPDM / TPE Gasket shall be provided in all frame, sash & mullion, wherever necessary. Thereafter, 5 mm Float Annealed glass shall be provided in the sash with the help of uPVC glazing bead and hardware, i.e., friction hinge & single point handle (in window) & 3D Hinges & Multipoint Lock (in door) shall be provided. Window / Door shall be fixed to the wall with 100mm long and 8mm dia. Fasteners and complete in all respect as per direction of Engineer-In-Charge. uPVC Window and Door Profiles are warranted for a period of ten(10) years against non-uniform discoloration, wrapping and rotting under general use SSR 54.09.517						
Casement Window (Big Series) frame of size 67 x 62 mm & Sash / Mullion of size 67 x 78 mm	90	SMT	**11137**	**1002330**	11600	1044000
Casement Door (Big Series) frame of size 67 x 62 mm & Door Sash of size 67 x 115 mm & Mullion (if required) of size 67 x 78 mm	19.2	SMT	**10167**	**195206.4**	10600	203520
Fixed Window (Big Series) frame of size 67 x 62 mm & Mullion (if required) of size 67 x 78 mm	49.8	SMT	**8852**	**440829.6**	9200	458160
ITEM NO.77 Providing and fixing 12mm thk toughened etched glass as per the design, as per the design. Glass to be fixed at top & bottom in heavy guage aluminium 'c' channel concealed in floor & boxing. Cost to be inclusive of silicon sealant to the periphery of the glass as directed. MCGM R3-CS-AW-19	50	SMT	**1707**	**85350**	1800	90000
ITEM NO.78 SS DUSTBIN Garden 59	40	NOS	**18253**	**730120**	19000	760000
ITEM NO.79 SS 202 Grade dustbin double Garden 60	40	NOS	**31959**	**1278360**	33300	1332000
ITEM NO. 80 Standard Bench (Refer sketch 14) Product area 1.8 x 0.6 mts, Capacity in nos: 4 nos. Product height 0.80m MCGM GW-3-2-j	20	NOS	**23922**	**478440**	24900	498000
ITEM NO.81 Royal Bench (Refer sketch 15) Product area:1.2 x 0.6 mts, Capacity in nos: 3 nos. Product height:0.90m MCGM GW-3-2-k	20	NOS	**46333**	**926660**	48200	964000

ITEM NO 82 Victoria Bench (Refer sketch 17) Product area:1.2 x 0.6 mts, Capacity in nos: 3 nos, Product height:0.90m MCGM GW-3-2-m	20	NOS	**48977**	**979540**	50900	1018000
ITEM NO 83 Vip Bench (Refer sketch 18) Product area:1.2 x 0.6 mts, Capacity in nos: 3 nos, Product height:0.90m MCGM GW-3-2-n	20	NOS	**50236**	**1004720**	52200	1044000
ITEM NO. 84 Circular tree guard : Providing, fabrication and fixing M.S. Circular tree guard with circular pipe of 10 gauge, 50mm Dia Circular vertical post, 40mm Dia Horizontal support 18mm Dia, intermediate support with M.S. cap- (type-I) logo panel etc. including cutting welding, riveting, oil painting with navy blue colour or any other approved colour shade as directed and fixing in cement concrete foundation including cement concrete paver block lining including removal of surplus material debris and restoring damaged portion of footpath etc, as directed (Design details vide Drg.No.4F-A1.1, 4FA1.2, A1.3 in the catalogue of street Furniture (Vol.I) published by B.M.C.) MCGM R3-RT-16-28	300	NOS	**19278**	**5783400**	20100	6030000
ITEM NO 85 Hexagonal tree guard No. tgu- B: Providing, fabrication and fixing M.S. Hexagonal tree guard with circular pipe of 10 gauge, 50mm Dia Circular vertical post, 40mm Dia circular horizontal support, 18mm Dia circular intermediate support with M.S. cap-(type- I) logo panel etc including cutting welding, riveting, oil painting with navy blue colour any other approved colour shade as directed and fixing in cement concrete foundation including cement concrete paver block lining including removal of surplus material/debris and restoring damaged portion of footpath etc, as directed. (Design details vide Drg.No.4F-B1 in the catalogue of street Furniture (Vol.I) published by B.M.C) work complete as per specifications and as directed by the Engineer MCGM R3-RT-16-29	100	NOS	**21562**	**2156200**	22500	2250000
ITEM NO 86 Square tree guard : Providing, fabrication and fixing M.S. Square tree guard with circular pipe of 10 gauge, 50mm Dia Circular vertical post, 40mm Dia circular horizontal support, 18mm Dia circular intermediate support with M.S. cap-(type-I) logo panel etc including cutting welding, riveting, oil painting with navy blue colour any other approved colour shade as directed and fixing in cement concrete foundation including cement concrete paver block lining including removal of surplus material/debris and restoring damaged portion of footpath etc as directed. (Design details vide Drg.No.4F-C1 in the catalogue of street Furniture (Vol.I) published by B.M.C) work complete as per specifications and as directed by the Engineer. MCGM R3-RT-16-30	30	NOS	**19528**	**585840**	20300	609000

ITEM NO 87 Fountain (SP-ME-TS-75) MCGM GW-4-5						
Foam Bubble/ Geyser jet fitted on universal ball joint MCGM GW-4-5-a	20	NOS	5977	119540	6250	125000
SS 304 Framed mesh cover MCGM GW-4-5-b	16	NOS	17116	273856	17800	284800
Monobloc Submersible Pump MCGM GW-4-5-c	4	NOS	66829	267316	69500	278000
IP 68 TYPE Programable submersible Lights MCGM GW-4-5-d	48	NOS	30903	1483344	32200	1545600
Fabricated MS powder coated control panel MCGM GW-4-5-e	4	NOS	25673	102692	26700	106800
Necessary GI / PVC plumbing pipes, fittings , valves MCGM GW-4-5-f	4	SET	51348	205392	53400	213600
Necessary electrical cabling MCGM GW-4-5-g	4	JOB	42789	171156	44500	178000
Spot Light MCGM GW-4-5-h	20	NOS	1902	38040	2000	40000
ITEM NO 88 Providing, hoisting and fixing at all level precast or reinforced cement concrete gazebo with all elements like roofing, string courses, bands, copings, columns, pillars beams, plinth beams, railings, benches, flooring, foundations including architectural design, moulding, arches, shapes, and applying proper texture and painting coats to suit a particular asthetic element (trunk of trees, shapes of animals, birds, timber benching, any element or structure representing culture or tradition) the cost of required centering, shuttering and reinforcement, of M25 grade and fibrous material, etc complete as per the instructions of Architect or Engineer-incharge (Refer sketch 3) MCGM GW-3-3-a	75	SMT	38403	2880225	39900	2992500
ITEM NO 89 Supply and installation of Vertical garden as per design with approved plants including the fabricated tray/stand patterned fabrication with 2 coat of oil paint and necessary fittings to fix on Walls/pillars etc specification as per drawings and Engineer in charge Complete Approved MR	240	SMT	13340	3201600	13900	3336000
ITEM NO 90 SITC of Drip Irrigation system Including all related Materials , Drip Fittings + valve , Piping & Solutions material complete as per specification provided by the engineer Incharge Approved MR	900	RMT	533	479700	560	504000
ITEM NO 91 Providing & Installation of Filter system including Fittings charges for vertical garden,installation complete as per specification provided by the engineer Incharge Approved MR	6	NOS	23686	142116	24700	148200
ITEM NO 92 Providing playing equipments for pets for play area including bolting ,fixing on PCC base /Foundation etc as per Approved materials and drawings specification provided by engineer incharge Complete Approved MR						

Wooden planks	3	NOS	58615	175845	60900	182700
Hurdle	4	NOS	56594	226376	58800	235200
Tunnel/Dog crawl	2	NOS	40424	80848	42000	84000
Stepping pads	2	NOS	76806	153612	79800	159600
Trampoline	2	NOS	84890	169780	88200	176400
Hoop jump	4	NOS	48509	194036	50400	201600
Platform climb	4	NOS	66700	266800	69300	277200
ITEM NO 93 Providing and fixing EPDM (Rubber Matt/Ethylene propylene diene methylene) flooring for children play area of thickness 25-30 mm above PCC as per specification provided by engineer incharge Approved MR	1680	SMT	3232	5429760	3400	5712000
ITEM NO. 94 Providing and fixing Equipments for children play area, Gym area Etc as per drawings and specification by the engineer in charge Garden SSR						
FRP Wave slide ht 1.5 mtr	8	NOS	80332	642656	83500	668000
Roller slide ht 1.5 mtr	8	NOS	104157	833256	108500	868000
FRP Spiral slide ht 1.5 mtr	8	NOS	139313	1114504	145000	1160000
FRP Mini tube slide ht 1.5mtr	6	NOS	185772	1114632	193500	1161000
Rocking boat	4	NOS	32151	128604	33500	134000
Double swing Eco	8	NOS	46504	372032	48400	387200
Circular swing	8	NOS	60857	486856	63300	506400
Deluxe luxury swing	8	NOS	111954	895632	116500	932000
Multi seater see saw	10	NOS	37538	375380	39100	391000
Crystal maze	10	NOS	101774	1017740	106000	1060000
Criss cross scrambler	6	NOS	55689	334134	57900	347400
Walking barrel	6	NOS	56838	341028	59100	354600
Turbo tower	5	NOS	56022	280110	58300	291500
Net Rock scrambler 1.5 mtr	3	NOS	75210	225630	78200	234600
Parallel bar	8	NOS	19717	157736	20500	164000
Loop rung	4	NOS	65909	263636	68500	274000
Combination set 4 in 1	4	NOS	70618	282472	73400	293600
MAPS 59	4	NOS	1194960	4779840	1242000	4968000
Gym equipment						
Forearm twirl	5	NOS	31117	155585	32400	162000
SIT up board	5	NOS	55650	278250	57900	289500
Air walker	5	NOS	75394	376970	78400	392000
8 in 1 combination (chest press+standing twister+surf board+horse rider+leg press+cross trainer+push up bar+ aerial stroller)	5	NOS	484081	2420405	503000	2515000
ITEM NO 95 Artificial Turf FA-GC-019-15 Providing and fixing articial turf of approved thickness (grass) Lush green as per size and specification provided by engineer incharge	265	SMT	3414	904710	3550	940750
ITEM NO 96 Providing and laying of beach sand for children play area as per specification provided by engineer incharge Approved MR	10092	KG	61	615612	65	655980
ITEM NO 97 Providing and laying Natural unpolished White Pebbles of size 30mm to 50mm laying in 3 layers (finish layer of 150mm nominal thickness), graded pebbles etc complete as per drawing as specified as directed by Engineer. (Refer sketch 22)MCGM/GW-3-1-e	62	CMT	3992	247504	4150	257300

ITEM NO.98 Providing and laying Natural unpolished Black/Brown Pebbles of size 30mm to 50mm laying in 3 layers (finish layer of 150mm nominal thickness), graded pebbles etc complete as per drawing as specified as directed by Engineer. (Refer sketch 23) MCGM GW-3-1-d	52	CMT	**3638**	**189176**	3800	197600
ITEM NO.99 Providing and laying Natural unpolished mixed colour Pebbles of size 5mm to 20mm laying in 3 layers (finish layer of 75mm nominal thickness), graded pebbles etc complete as per drawing as specified as directed by Engineer. (Refer sketch 24) MCGM GW-3-1-e	110	CMT	**1415**	**155650**	1500	165000
ITEM NO.100 Providing and Fixing Wall mounted bicycle stand units as per drawings and specification provided by the engineer in charge. Approved MR	40	NOS	**5659**	**226360**	5900	236000
ITEM NO.101 Providing and fixing Decorative themed FRP Based Gate (Sports,Musical,Historical Hero(Cultural) entrance of size as specification provided by engineer incharge complete(5 mt width) Approved MR	5	JOB	**103132**	**515660**	107500	537500
ITEM NO.102 Supplying and fixing Stone sculpture statues of theme upto 1.8 mt ht of approved size and material complete as per specification provided by engineer incharge Approved MR	12	JOB	**1642225**	**19706700**	2000000	24000000
ITEM NO.103 Providing and erecting chain link fencing 1.6 M. height with G.I. chain link of size 50 x 50 mm, 8 gauge thick and fixed 75 mm above ground level on vertical M.S. Angles of 40 x 40 x 6 mm size, including excavating pits for foundation and embedded in C.C. block of 1:4:8 mix of size 450 x 450 x 670 mm. at 1.75 M. c/c with iron bar 16mm dia as hold fast including welding link with angle frame at 30 cm c/c with nuts and bolts and horizontal M.S. Angles at top and bottom of 25 x 25 x 5 mm size and vertical M.S. flat 35 x 5 mm and 25 x 5 mm horizontal including cross support of 40 x 40 x 6 mm angles both side at every corner or bend embedded in concrete blocks of 1:4:8 of size 450 x 450 x 670 mm including 3 coats of oil painting etc. complete SSR 46.39/298	648	SMT	**2694**	**1745712**	2800	1814400
ITEM NO.104 Providing & Casting of one figure of Statues/Murals of real size Humans MCGM FA-GC-16-01	10	NOS	**153359**	**1533590**	159500	1595000
ITEM NO.105 Providing and fixing thematic murals created in mix media in different shape and size as per required artwork made out of 8mm, 12mm and 19mm thick marine plywood and BTC wood and fibre coating in imported silicon rubber painted MCGM CE4-09-002- FA141C	10	NOS	**370002**	**3700020**	381500	3815000
ITEM NO.106 Artist painting of wall in 3 D format and text format MCGM FAIR-3D-AWP-A	3900	SQFT	**127**	**495300**	140	546000

ITEM NO.107 P/f clear acrylic panel of size 350 mm x 250 mm with vinyl cut type and graphics etc MCGM CE4-12-13-A-F-335	80	SMT	**2527**	**202160**	2650	212000
Item No.108 P/F Mural Made In Fibre Rainforced Plastic As Per Given Art Work Of Required Sizes Mcgm Ce4-07-076-11-47a	80	SMT	**11056**	**884480**	11500	920000
Item No.109 Mural In Paint (3d) Mcgm Ce5-10-024-Fair1	177.5	SMT	**8101**	**1437927.5**	8450	1499875
Item No.110 Supply And Installation Of Ffrp Sphere SculptureMcgm Sg8-13-004 002-Fa2	20	NOS	**454770**	**9095400**	472500	9450000
ITEM NO.111 Providing and Fixing Decorative / Ornamental grills as per design for compound wall Fencing including fabricating the grill using M.S. square / round bar, flats and angles including painting with one coat of red oxide zinc chromate primer and two coats of synthetic enamel paint of approved colour and brand etc. complete as directed. MCGM R3-CS-SL-13	35975	KG	**245**	**8813875**	260	9353500
ITEM NO.112 Providing and fixing mild steel grill gate as per the detailed drawing including hinges, locking arrangements and painting in three coats of oil paint of approved colour and shade etc. complete.(weight 18 kg. to 20 kg. Per Sq.m.) Spec.No.: As directed by Engineer- in-charge. SSR 23.09/213	24	SMT	**2228**	**53472**	2350	56400
ITEM NO.113 Providing and fixing 40mm diameter and 1.5 mm thick Stainless steel hand railing in S.S.304 Grade including fabricating ,fixtures, erecting, necessary welding, grinding, finishing, buffing to stainless steel pipe etc. complete SSR 40.06/329	6	RMT	**1295**	**7770**	1350	8100
ITEM NO.114 Double Side Pvc Coated waterproof And Sunished Tensile Fabric Tensile Roofing including strings and fabrication Specification as per engineer in charge and drawing. Complete with fitings Approved MR	550.14	SMT	**6569**	**3613869.66**	6850	3768459
ITEM NO.115 Providing and fixing Mangalore tiled roofing with class 'AA' tiles including securing the last course of tiles near the eaves with steel flat 40 mm x 3 mm and 1.22 mm wire fixing country teak wood sloping battens of 25 x 12 mm teak wood horizontal battens of 50mm x 25mm over the slopping battens, all iron work and coal tarring the battens etc. complete (Excluding ridge and hip tiles). SSR 38.02/233	141.2	SMT	**1275**	**180030**	1350	190620
ITEM NO.116 Providing and Fixing laser cut 3-4 mm Acrylic letters of height upto 24 inches with, with all other necessary Hardware for fittings and Labour all Inclusive including profile LED back lighting complete Approved MR	165	LETTERS	**2880**	**475200**	3000	495000

ITEM NO.117 Providing and fixing MBMC Logo on entrance gate Approved MR	15	NOS	**28297**	**424455**	29400	441000
ITEM NO.118 Providing and fixing stainless steel Name Board on gate/Building including LED backlight complete as per drawing .size (6mx1m) Approved MR	5	NOS	**166749**	**833745**	173500	867500
ITEM NO.119 Providing and Installation Planter figure set of 3 having size 4 ft, made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design complet as per specification provided by engineer incharge (Including fabrication) Approved MR	5	JOB	**157654**	**788270**	164000	820000
ITEM NO.120 Providing and installation Hand Model holding tress having size of 3ft ht 9ft wide made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design complet as per specification provided by engineer incharge (Including fabrication) Approved MR	3	JOB	**210205**	**630615**	218500	655500
ITEM NO.121 Providing and installation Sculpture/statute, ht of structure - 6ft made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design complet as per specification provided by engineer incharge (Including fabrication) Approved MR	15	JOB	**197067**	**2956005**	205000	3075000
ITEM NO.122 Providing and installation Sculpture/statue of freedom fighters, ht of structure - 8ft made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design complet as per specification provided by engineer incharge (Including fabrication)Approved MR	8	JOB	**367858**	**2942864**	382500	3060000
ITEM NO.123 Providing and installation decorative Sculpture, ht of structure - 6ft wide 4 ft ht made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design complet as per specification provided by engineer incharge (Including fabrication) Approved MR	6	JOB	**144516**	**867096**	150500	903000
ITEM NO.124 Providing and Installation decorative Sculpture as per approved design, ht of structure - 8 ft made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design complet as per specification provided by engineer incharge (Including fabrication) Approved MR	5	JOB	**407272**	**2036360**	423500	2117500
ITEM NO.125 Providing and supplying themed seating area as per approved design, structure 7- 8 ft wide and 9-10 ft height made of R.S.C.R	5	JOB	**354721**	**1773605**	369000	1845000

(Fibre) material with double PU gloss or matt finished coating with approved design complet as per specification provided by engineer incharge (Including fabrication) Approved MR						
ITEM NO 126 Providing and Installation thematic planter as per approved design, ht of structure 4 ft made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design complet as per specification provided by engineer incharge.(Including fabrication) Approved MR	4	JOB	**118240**	**472960**	123000	492000
ITEM NO 127 Providing and Installation Signages as per approved design, ht of structure 5-6 ft made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design complet as per specification provided by engineer incharge (Including fabrication) Approved MR	50	JOB	**131378**	**6568900**	136500	6825000
ITEM NO 128 Providing and Installation steps and seat out for play area as per approved design, ht of structure steps 4 ft length 5meter,sit out box 8ft X 8ft made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design complet as per specification provided by engineer incharge.(Including fabrication) Approved MR	2	JOB	**722579**	**1445158**	751000	1502000
ITEM NO 129 Providing and Installation themed shelter area with polycarbonated sheet as per approved design, ht of structure 12-15 ft, width- 5 to 6ft made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design complet as per specification provided by engineer incharge. (Including fabrication) Approved MR	15	JOB	**893370**	**13400550**	925000	13875000
ITEM NO 130 Providing and Fixing Rocket themed slides 3 mt Ht for play area as per approved design &size, made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design Complete as per specification provided by engineer incharge. Approved MR	1	JOB	**499236**	**499236**	519000	519000
ITEM NO.131 Providing and Installation planet themed merry-go-round for play area with bearing and MS fabrication as per approved design &size, made of R.S.C.R (Fibre) material with double PU gloss or matt finished coating with approved design Complete as per specification provided by engineer incharge. Approved MR	2	JOB	**394134**	**788268**	409500	819000
ITEM NO.132 Providing and laying Coloured marking on street as per Theme with thermoplastic paint as per approved designs Complete as per specification provided by engineer inchargeApproved MR	685	SMT	**1051**	**719935**	1100	753500

ITEM NO 133 Chasing Jets						
SITC of Vertical jet nozzle with 25mm inlet and 12mm outlet in SS / Brass construction capable of a 15 degree + / - adjustment from vertical with integrated flow straightner for smooth flow of the water jet for the required jet height. Ripples make 8 NOS	2	JOB	**1951310**	**3902620**	2028000	4056000
3m long SS Header with 4 SS nipples each Ripples make 2NOS						
SITC of high discharge and high head IP68 rated pump in SS 304 suitable for operating the above nozzle. MOC of pump housing, shaft and impeller is SS 304 and insulation class is H. Shakti / CG / Kirloskar 2 NOS						
Lights (RGB LED 18x3w with DMX control) SITC of DMX controlled 54W RGB LED light with LED Chips mounted on a multilayered aluminium PCB plate with high quality narrow beam optics, inside a temperature regulated Noryl body with IP68 rating. Cable entry points to be filled with electrical grade epoxy for added protection. Light should be suitable for dry as well as underwater operation complete with submersible cables, connectors and consumables etc required for connecting the light power and signal cables to the main circuit. Ripples make 8NOS						
Fast acting Solenid Valve in Brass / SS 25mm Uflow / Darbor 8 NOS						
2.5 sq mm 3 core double PVC sheathed copper cable Ploycab / KEI / Finolex make -120 Meters						
2.5 sq mm 2 core double PVC sheathed copper cable-60Meter						
1 sq mm 2 core double PVC sheathed shielded copper cable-60 Meter						
SITC of IP67 rated junction box in polycarbonate body and polyamide cover screws with suitable sized IP68 PVC cable glands with neoprene seals. Cable entry points in the junction box to be filled with electrical grade silicon sealant for complete protection from water ingress. Ripple make 1 NOS						
1 sq mm 2 core double PVC sheathed shielded copper cable-480 Meter						
SITC of SS304 Tripod with SS fastners custom designed to install the above Jet Ripple make 4 NOS						
ITEM NO 134 Arching Jets						
SITC of Vertical jet nozzle with 50mm inlet and 15mm outlet in SS / Brass construction capable of a 15 degree + / - adjustment from vertical with integrated flow straightner for smooth flow of the water jet for the required jet height. Ripples make 2 NOS	2	JOB	**1264835**	**2529670**	1315000	2630000

SITC of high discharge and high head IP68 rated pump in SS 304 suitable for operating the above nozzle. MOC of pump housing, shaft and impeller is SS 304 and insulation class is H. Shakti / CG / Kirloskar 2 NOS						
Lights (RGB LED 18x3w with DMX control) SITC of DMX controlled 54W RGB LED light with LED Chips mounted on a multilayered aluminium PCB plate with high quality narrow beam optics, inside a temperature regulated Noryl body with IP68 rating. Cable entry points to be filled with electrical grade epoxy for added protection. Light should be suitable for dry as well as underwater operation complete with submersible cables, connectors and consumables etc required for connecting the light power and signal cables to the main circuit. Ripples make 6 NOS						
2.5 sq mm 3 core double PVC sheathed copper cable-120m						
2.5 sq mm 2 core double PVC sheathed copper cable-120m						
1 sq mm 2 core double PVC sheathed shielded copper cable-120m						
SITC of IP67 rated junction box in polycarbonate body and polyamide cover screws with suitable sized IP68 PVC cable glands with neoprene seals. Cable entry points in the junction box to be filled with electrical grade silicon sealant for complete protection from water ingress Ripples make 2 NOS						
SITC of SS304 Tripod with SS fastners custom designed to install the above Jet Ripples 2 NOS						
ITEM NO 135 Sunburst Jet						
SITC of Vertical jet nozzle with 25mm inlet and 10mm outlet in SS / Brass construction capable of a 15 degree + / - adjustment from vertical with integrated flow straightner for smooth flow of the water jet for the required jet height. Ripples NOS 1	2	JOB	**1150275**	**2300550**	1196000	2392000
2m long SS Header with 7 SS nipples each Ripples make 1 NOS						
25mm ball valves in SS / Brass HM / Zoloto 7 nos						
SITC of high discharge and high head IP68 rated pump in SS 304 suitable for operating the above nozzle. MOC of pump housing, shaft and impeller is SS 304 and insulation class is H. Shakti / CG / Kirloskar 1 NOS						
SITC of DMX controlled 54W RGB LED light with LED Chips mounted on a multilayered aluminium PCB plate with high quality narrow beam optics, inside a temperature regulated Noryl body with IP68 rating. Cable entry points to be filled with electrical grade epoxy for added protection. Light should be suitable for dry as well as underwater operation complete with submersible cables, connectors and consumables etc required for connecting the						

light power and signal cables to the main circuit. Ripples 7 NOS						
2.5 sq mm 3 core double PVC sheathed copper cable Ploycab / KEI / Finolex 60 M						
2.5 sq mm 2 core double PVC sheathed copper cable-60 m						
1 sq mm 2 core double PVC sheathed shielded copper cable-60m						
SITC of IP67 rated junction box in polycarbonate body and polyamide cover screws with suitable sized IP68 PVC cable glands with neoprene seals. Cable entry points in the junction box to be filled with electrical grade silicon sealant for complete protection from water ingress. Ripples - 1 NOS						
SITC of SS304 Tripod with SS fastners custom designed to install the above Jet Ripple make 2 NOS						
ITEM NO: 136 Revolving Spiral Jets						
SITC of revolving spiral jet in SS / Brass construction capable of being adjusted for speed of rotation and with an integrated flow straightner for smooth flow of the water jet for the required jet height. Ripples make 8 NOS	2	JOB	**3542142**	**7084284**	3693000	7386000
SITC of high discharge and high head IP68 rated pump in SS 304 suitable for operating the above nozzle. MOC of pump housing, shaft and impeller is SS 304 and insulation class is H.Shakti / CG / Kirloskar make 8 NOS						
SITC of DMX controlled 51W RGB LED light with LED Chips mounted on a multilayered aluminium PCB plate with high quality narrow beam optics, inside a temperature regulated Noryl body with IP68 rating. Cable entry points to be filled with electrical grade epoxy for added protection. Light should be suitable for dry as well as underwater operation complete with submersible cables, connectors and consumables etc required for connecting the light power and signal cables to the main circuit. Ripples make 24 NOS						
2.5 sq mm 3 core double PVC sheathed copper cable Ploycab / KEI / Finolex -480 Meter.						
2.5 sq mm 2 core double PVC sheathed copper cable-180 meter						
1 sq mm 2 core double PVC sheathed shielded copper cable-180 Meter						
Junction Box for DMX 512 LightsSITC of IP67 rated junction box in polycarbonate body and polyamide cover screws with suitable sized IP68 PVC cable glands with neoprene seals. Cable entry points in the junction box to be filled with electrical grade silicon sealant for complete protection from water ingress.Ripples make 3 NO						
SITC of SS304 Tripod with SS fastners custom designed to install the above Jet Ripple 8 NOS						
ITEM NO.137 LASER						

5w RGB Laser with integrated software LPS / Pangolin / Able -1 NOS	2	JOB	**2745901**	**5491802**	2853000	5706000
Software for Laser operation Pangolin / Moncha software-1 NOS						
DMX Converter-1 NOS						
1.5mm 3 core Flat double PVC sheathed copper cable Polycab / KEI / Finolex-60 Meter						
Cat 6 cable with necessary connectors etc.-60 Meter						
SITC of GI frame custom designed for mounting the Laser enclosure. Ripple 1 NOS						
SITC of Weather Proof Laser enclosure to mount the Lasers outdoors in powder coated aluminium body with automatic temperature and humidity control at preset levels suitable for a 5W Laser. Air intake and exits to be suitably sized and protected with filters to protect the laser from dust and insects, complete with IP55 control panel for 24hr monitoring of temperature and humidity with interconnecting cables for a minimum distance of 100m. Ripple 1 NOS						
ITEM NO 138 Control Panels						
Starter Panel for Pumps (1 panel for upto 24 pumps) SITC of custom made indoor type Motor Control Panels with MCB's, Contactors, Overload Relays, Single Phase Preventers, for automatic operation of pumps-13 Pumps	2	JOB	**898603**	**1797206**	934000	1868000
SITC of custom made indoor type Light Control Panel with power supplies, DMX 512 transmitter cards, MCB's etc for automatic operation of lights-45 Lights						
SITC of custom made indoor type Control Panel with DXM cards, Electronic relays, Power Supplies & MCB's for automatic switching of solenoid valves and pumps 21 Pumps /SV's						
Custom made indoor type Panel with MCCB's and main bus bar for supply to the above no of panels-1- Panel						
ITEM NO 139 Panel Interconnecting Cables & PVC Double Wall Conduit	2	JOB	**466933**	**933866**	485500	971000
SITC of 16mm four core cable for connecting the Panels-35 m						
SITC of 35mm four core cable for connecting the Panels-35m						
SITC of DMX interconnecting cable-50m						
SITC of PVC Double Walled Conduit for interconnecting the cable trenches -100 m						
ITEM NO 140 Sound System						
SITC of professional audio system suitable for the outdoor venue with complete accessories mounting poles etc. Harman (JBL) / VAL Audio / QSC/ Sound System, Speaker x 6nos., Crown Amplifier, Speaker Stand & Brackets, 2 Monitor Speakers, Cables, Rack etc JBL / QSC / VAL Audio -1 SET	2	JOB	**1330202**	**2660404**	1383000	2766000
ITEM NO 141 Fountain Control System and Programming						

SITC of 2 universe DMX show controller with 8 digital inputs and outputs, 2x16 segment LCD display and show scheduling option.-Syncronorm make 1NOS	2	JOB	**3247669**	**6495338**	3375000	6750000
SITC of desktop computer for operating the show, HP / Dell / Equivalent Computer Core i5, with 4GB graphic card SSD 240 GB, 15 inch monitor						
Programming of the fountain nozzles, lights, lasers, etc to the music 3 NOS						
ITEM NO 142 UPS						
SITC of UPS for sensitive equipment UPS 3KVA Online Microtek / Luminous / Equivalent 1 NOS	2	JOB	**154652**	**309304**	161000	322000
ITEM NO 143 Consumables, Packing, Shipping etc						
Electrical tape, cable joint waterproofing rubber & packaging of equipment for road transport.-1 LOT	2	JOB	**409293**	**818586**	425500	851000
ITEM NO 144 Providing and fixing European type white glazed earthenware water closet pan with UPVC seat and lid with chromium plated brass hinges and rubber buffers including UPVC and vent pipe up to the outside face of wall 10 litre enameled low level flushing cistern with fittings pipe stop tap brackets for fixing cistern 32 mm dia. UPVC flush pipe with fittings and clamps ,20 mm dia UPVC overflow pipe ,mosquito proof couplings G I. chain and pulley ,with water Jet and fitting including cutting and making good to the walls and floors testing etc complete (prior approval of sample and brand by Ex. Engineer is necessary before use) SSR 43.19	5	Nos.	**12305**	**61525**	12800	64000
ITEM NO 145 Providing and fixing Orissa type white glazed earthenware water closet pan of size 260mm x 440mm x 580mm with approved make Slim wall hung cistern with installation kit including S or P trap with cast iron soil and vent pipe upto outside face of the wall 1:2:4 brick bat lime concrete bedding without flushing tank and its accessories etc complete. SSR 48.42/316	15	Nos.	**3563**	**53445**	3750	56250
ITEM NO 146 Providing and fixing C.P.Two way BIB cock jaquar make or equivalent continental including necessary sockets union nut etc complete SSR 42.80	20	Nos.	**1548**	**30960**	1650	33000
ITEM NO 147 Providing and fixing 15 mm diameter PVC Aqua kraft type super jet spray with flange 2 in 1 faucet 1.50 metre long including all accessories etc complete SSR 43.39	5	Nos.	**818**	**4090**	850	4250
ITEM NO 148 Providing and fixing White glazed with bottle trap earthenware Wash Hand Basin of 55x40 cm size including cold water pillar taps, brackets, rubber plugs and brass chain, stop tap, chromium plate bottle trap and necessary pipe connections including UPAC waste pipe and trap upto the outside	30	Nos.	**6869**	**206070**	7150	214500

face of the wall, making good the damaged surface, testing etc. complete. SSR 41.69						
ITEM NO.149 Providing and fixing Oval Type Under Counter Wash Hand Basin of 420 x 590 x 195mm size with pillar cock, C.P.Angular stop cock, long thread of approved make continental including SS bottle trap of necessary pipe connection up to the outside face of the wall, having Telephonic Black / Colour Granite of 180 mm thick fixed on Black Kadappa Framework, etc. Complete as directed by Engineer in charge. SSR 48.35	10	Nos.	**21104**	**211040**	22000	220000
ITEM NO.150 Providing and fixing C.P. Angular stop cock with wall flange continental (CAT.NO. CON-059) including necessary sockets/union nut etc. complete. SSR 42.79	30	Nos.	**2851**	**85530**	3000	90000
ITEM NO. 151 Supplying, erecting, testing and commissioning self contained water cooler 230/250 Volts 50 cycles nominal cooling capacity of 150 litres per hour and storage capacity 150 litres with partially stainless steel body as per specification No. AP-WCR/WC CSR 3-3-10	12	Nos.	**53919**	**647028**	56100	673200
ITEM NO.152Providing and making ISI Mark ferrule connection of 32 mm dia. to water mainincluding ferrule coupling cast iron bell mouth cover, built in non return valve andfixing including excavation and reinstatement complete.SSR 42.75	2	Nos.	**4197**	**8394**	4400	8800
ITEM NO.153 Providing and fixing earthenware lipped flat back/corner type Urinal of Hindustan /Perryware / Neycer / Cera or equivalant make with PVC 5 liters flushing system of 5 liters with fittings, inlet pipe with stop tap, brackets for fixing the cistern, 32 mm diameter P.V.C. flush pipe with fitting including lead soil pipe, lead trap & soil pipe connection up to the outside face ofwall. SSR 41.61	10	Nos.	**5080**	**50800**	5300	53000
ITEM NO. 154 Providing and fixing 10 cm rigid PVC Nahani trap with grating etc. complete as per engineer in charge. SSR 42.67	40	Nos.	**572**	**22880**	600	24000
ITEM NO.155 Providing and fixing on walls/ ceiling/ floor CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.						
a) 15mm dia SSR 42.55	60	Rmt.	**282**	**16920**	300	18000
b) 20mm dia SSR 42.56	30	Rmt.	**329**	**9870**	350	10500
c) 25mm dia SSR 42.57	80	Rmt.	**398**	**31840**	420	33600
d) 32 mm dia SSR 42.58	50	Rmt.	**458**	**22900**	480	24000
e) 40 mm dia SSR 42.59	50	Rmt.	**572**	**28600**	600	30000

@ 50 mm dia SSR 42.60	50	Rmt.	**786**	**39300**	820	41000
ITEM NO 156 Supplying and erecting ISI mark GI pipe 32 mm dia 'C' class at position with accessories complete as per specification no. CW-PLB/GP. CSR 16-5-10	80	Rmt.	**409**	**32720**	430	34400
ITEM NO 157 Supplying and erecting ISI mark GI pipe 40 mm dia 'C' class at position with accessories complete as per specification no. CW-PLB/GP. CSR 16-5-11	80	Rmt.	**466**	**37280**	490	39200
ITEM NO 158 Supplying and erecting ISI mark GI pipe 50 mm dia 'C' class at position with accessories complete as per specification no. CW-PLB/GP. CSR 16-5-12	120	Rmt.	**687**	**82440**	720	86400
ITEM NO 159 Supplying and erecting 20 mm dia gun metal gate valve complete with PN16 pressure rating, as per specification no. FF-VL/GV CSR 13-7-31	10	Nos.	**966**	**9660**	1010	10100
ITEM NO 160 Supplying and erecting 25 mm dia gun metal gate valve complete with PN16 pressure rating, as per specification no. FF-VL/GV CSR 13-7-32	10	Nos.	**1273**	**12730**	1350	13500
ITEM NO 161 Supplying and erecting 32/40 mm dia gun metal gate valve complete with PN16 pressure rating, as per specification no. FF-VL/GV CSR 13-7-33	6	Nos.	**1492**	**8952**	1550	9300
ITEM NO 162 Supplying and erecting 50 mm dia gun metal gate valve complete with PN16 pressure rating, as per specification no. FF-VL/GV CSR 13-7-34	4	Nos.	**1540**	**6160**	1650	6600
ITEM NO 163Supplying and erecting 20/25mm dia gun metal air release cock, with necessary G.I. coupling to be fitted on top of air vessel or on wet riser completeas per specification no. FF-ELA/ARVCSR 13-8-13	2	Nos.	**893**	**1786**	930	1860
ITEM NO 164 Providing and fixing 50mm diameter water meter with non-return valve including strainer,sockets/ union nut and including water meter box making locking arrangement and lock. [without chamber] SSR 41.30	5	No.	**15716**	**78580**	16400	82000
ITEM NO 165 Providing and fixing on walls /ceiling/ floor 40 mm dia. uPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.93	150	Rmt.	**552**	**82800**	580	87000

ITEM NO 166 Providing and fixing on walls/ ceiling/ floor 50 mm dia. uPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. SSR 42.94	150	Rmt.	**766**	**114900**	800	120000
ITEM NO 167 Providing, laying and fixing P.V.C. pipe of 75mm dia. with fittings such as bends, tees, reducers, clamps, etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.27	120	Rmt.	**458**	**54960**	480	57600
ITEM NO 168 Providing, laying and fixing P.V.C. pipe of 110 mm. dia. with fittings such as bends,tees, reducers, clamps, etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.28	200	Rmt.	**631**	**126200**	660	132000
ITEM NO 169 Providing and making lead joints for 150mm diameter cast iron pipe line including lead and testing. SSR 41.06	15	Rmt.	**947**	**14205**	990	14850
ITEM NO 170 Providing and fixing 10 cm PVC nahani trap with grating etc. complete. (KHURRA) SSR 42.67	10	Nos.	**572**	**5720**	600	6000
ITEM NO 171 Providing and fixing 15cm x 10cm salt glazed stoneware gully trap in cement concrete 1:4:8 outside the building including cast iron grating in the sink, connecting glazed stoneware pipe, brick masonry chamber with cast iron lid and cast iron grating for the gully trap SSR 42.02	8	Nos.	**1698**	**13584**	1800	14400
ITEM NO 172 Providing and fixing Ductile iron manhole cover of light/medium/heavy duty with frameof any size over inspection chamber etc. complete (Prior permission of S.E. is to be obtained before inclusion of this item in the estimate) SSR 50.30	600	Kg.	**80**	**48000**	85	51000
ITEM NO 173 Providing and fixing Ductile iron Man Hole Covers/ Strom Water Grating and Grating with frame of Various sizes, weight and types and load bearing capacity as per EN-124, equivalent NLCO with prior approval of concerned Superintending Engineer. SSR 50.85						
300 mm wide (drain channel)	600	Kg.	**305**	**183000**	320	192000
450 mm wide (drain channel)	200	kg.	**305**	**61000**	320	64000
ITEM NO 174 Supplying, erecting, testing and commissioning of minimum three & above star rated 3 phase, 415 V, 50 Hz, submersible pump set of 7.5 kW/10HP suitable for erection on open well, pump	4	Nos.	**43840**	**175360**	45600	182400

having delivery head from 60 to 28 m and discharge from 120 to 840 litres per minute & 65 mm suction/50 mm delivery dia. as per specification no. WP-OSP. CSR 12-3-7						
ITEM NO 175 Providing and fixing gun metal Y Strainer confirming to IS and tested to a pressure not less than , including rubber gasket, flanges, unions, nuts, bolts and washer etc complete as required. 50 mm dia SSR Pag NO. 534 ITEM NO 124	4	Nos.	**936**	**3744**	980	3920
ITEM NO.176 Providing and fixing gun metal Non Return Valve confirming to IS 778 and tested to a pressure not less than 10 Kg/cm2, including rubber gasket, flanges, unions, nuts, bolts and washers etc complete as required. 50 mm dia SSR Pag NO. 539 ITEM NO 347	4	Nos.	**2816**	**11264**	2950	11800
ITEM NO 177 Providing and fixing gun metal ball valves confirming to IS 1703 with threaded flanged joints complete with nuts, bolts, gaskets etc. 50 mm dia SSR Pag NO. 538 ITEM NO 294	4	Nos.	**1695**	**6780**	1800	7200
ITEM NO 178 Supplying & erecting Float sensor switch for water level controller working on 250V & rated current 8A, with 2 mtr. wire & High quality of wire & plastic body CSR 12-4-28	5	Nos.	**417**	**2085**	440	2200
ITEM NO 179 Providing and fixing H D P container one piece moulded water tank made out of low density polythyler and built corrugation including of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow of all tanks capacity above 1000 to 20,000 litres SSR 42.54	50000	Litre	**12**	**600000**	15	750000
ITEM NO 180 Supplying, erecting, testing and commissioning of automatic control panel for three phase, 415 V, A.C. supply submersible/centrifugal pump set upto 20 HP consisting of star delta starter having relay range 28-42 A, S P P., combined ammeter/ voltmeter, phase indicating lamp enclosed in CRCA powder coated vibration proof enclosure with IP54 protection with single phasing, phase reversal, phase imbalance, etc CSR 12-4-22	3	Nos.	**17258**	**51774**	18000	54000
ITEM NO 181 Supplying & erecting flat flexible 3 core 4 sq mm PVC sheathed submersible type copper cable suitably clamped at fixed intervals with column pipe assembly complete. CSR 12-4-9	250	Rmt.	**195**	**48750**	210	52500
ITEM NO 182 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 6 sq. mm, aluminium conductor complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL CSR 7-1-27	350	Rmt.	**156**	**54600**	170	59500

ITEM NO 183 Supplying and laying (including excavation of suitable width & depth up to 90 cm) 75 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, to required depth complete. CSR 7-6-10	20	Rmt.	**246**	**4920**	260	5200
ITEM NO. 184 Supplying and erecting ultra violet water purifier with softener for safe drinking water consisting of UV germicidal tube of 8W capacity, choke made of copper wire, two indicator lamps, dual function cartridge with output of purified water 1 litre/min with activated carbon filter and softener operating on 230 V single phase AC supply with UV fail & filter change indication system.CSR 3-5-2	5	Nos.	**7744**	**38720**	8050	40250
ITEM NO.185 Light weight impact type sprinkler with SS retraction spring , 1/2" m threaded inlet full circle with bayonet nozzle 2.5 x 1.8 mm giving distribution uniformity more than 88% at 9 x 9 m, 10 x 10 m, 9 x 12 m, 10 x 12 m or 12 x 12 m, operating pressure 3 kgf.IS:12232-1 MCGM GW-4-4-d	50	NOS	**297**	**14850**	310	15500
ITEM NO.186 Modular sprinkler with plastic stake assembly operating pressure 1.5 to 3 kgf, flow rate 25 to 400 lph, with nozzle for minimum 90% distribution uniformity at specified spacing MCGM GW-4-4-b	50	NOS	**74**	**3700**	80	4000
ITEM NO.187 P.V.C. pipe 15mm dia.10kg/cm2 pressure(class IV) SSR 178/535	350	RMT	**34**	**11900**	40	14000
ITEM NO.188 P.V.C. pipe 20mm dia.10kg/cm2 pressure(class IV) SSR 179/535	350	RMT	**64**	**22400**	70	24500
ITEM NO.189 P.V.C. pipe 25 mm dia.10kg/cm2 pressure(class IV) SSR 180/535	600	RMT	**85**	**51000**	90	54000
ITEM NO. 190 Sand Filter 800 Filter. Manufactured by simultaneously injecting fiber and resin. Fitted with PVC collectors, diffuser, pressure gauge, manual air bleed and drain valve. 1.5" PVC Multiport valve and Initial Charge of Filter Media. Make: Pentair and Equivalent Approved MR	5	NOS	**85734**	**428670**	89100	445500
ITEM NO.191 Pump for Pool Filter Type : Basket Strainer Hose Power : 4-6 HP Make : Leo and Equivalent Approved MR	5	NOS	**62785**	**313925**	65300	326500
ITEM NO.192 Suction Sweeper with Maintenance Kit: Vacuum Head, Floating Hose of 9 Meters Length, 2 x 2.4 M Length Telescopic Handle, Leaf Rake, 18" Wall Brush, pH and Chlorine Test Kit. Make : Emaux and Aarav Enterprises Approved MR	5	SET	**30337**	**151685**	31600	158000

ITEM NO.193 Suction Cover Make : Emaux Approved MR	3	NOS	**2375**	**7125**	2500	7500
ITEM NO.194 Vacuum Nozzle Make : Emaux Approved MR	3	NOS	**1056**	**3168**	1100	3300
ITEM NO.195 Floor Inlet Make : Emaux Approved MR	10	NOS	**924**	**9240**	960	9600
ITEM NO.196 Panel Board For LED Light(Warm Colour) Made from Mild Steel Sheets to house Drivers with controls. Make : Aarav Enterprises Approved MR	25	NOS	**9498**	**237450**	9900	247500
ITEM NO.197Supplying, erecting, testing & commissioning static energy meter with 240V 50 Hz. AC supply 5 to 30 A, accuracy class 1.0 with backlit LCD display, (measuring and display kWh, kVAh,V, I, PF, frequency, kW, kVA, six months history of energy & MD in kW & kVA) with transparent hinge type box complete erected on polished teak wood board duly wired with required size of weatherproof PVC wires duly tested by electric supply company CSR 6-5-1	12	NO.	**2845**	**34140**	3000	36000
ITEM NO. 198 Supplying & erecting CRCA sheet metal enclosures of 1.2mm thickness with 20A, 2 pin plug & earth socket and 20A, 3 pin plug top with 20A/32A single pole MCB having rated short - circuit breaking capacity (Icn) 10kA complete erected on provided angle iron/GI frame. CSR 5-4-13	12	NO.	**950**	**11400**	990	11880
ITEM NO.199 Supplying and erecting single pole and neutral distribution board (SPNDB), with 2 ways for incoming and 6 ways (6 poles) for outgoing SP MCBs, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on provided iron/GI frame as per specification no. SW-MCBDB CSR 5-4-9	12	NO.	**1347**	**16164**	1400	16800
ITEM NO.200 Supplying, fixing and commissioning 2 pole RCBO up to 25A, with overcurrent, rated short-circuit breaking capacity (10 kA) and earth leakage protection, with 30/100/300 mA sensitivity and short circuit and earth leakage trip indication as per specification no SW-RCBO CSR 5-6-9	12	NO.	**3213**	**38556**	3350	40200
ITEM NO.201 Supplying, erecting & marking DP MCB 6A to 32A, C-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-6	12	NO.	**541**	**6492**	570	6840
ITEM NO. 202 Supplying and erecting single pole and neutral distribution board (SPNDB), with 2 ways for incoming and 10 ways (10 poles) for outgoing SP MCBs, with door, 1.2mm thickness surface/flush mounted, IP 43	12	NO.	**1622**	**19464**	1700	20400

Protection provided on iron GI frame as per specification no. SW-MCBDB CSR 5-4-11						
ITEM NO 203 Supplying, fixing and commissioning 2 pole RCBO 32/40A, with overcurrent, rated short-circuit breaking capacity (10 kA) and earth leakage protection, with 30/100/300 mA sensitivity and short circuit and earth leakage trip indication as per specification no SW-RCBO CSR 5-6-10	12	NO.	**3407**	**40884**	3550	42600
ITEM NO 204 Supplying, erecting & marking SP MCB 6A to 32A, C-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-2	50	NO.	**176**	**8800**	190	9500
ITEM NO 205 Supplying, erecting & terminating LR XLPE insulated, galvanised steel wire armoured (round) cable, 1100 V 3 core 4 sq. mm. aluminium conductorcomplete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL CSR 7-1-8	3000	RMT.	**125**	**375000**	140	420000
ITEM NO 206 Supplying & erecting mains with 2x2.5 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places. as per specification no. WG-MA/BW CSR 1-3-2	2500	RMT.	**72**	**180000**	75	187500
ITEM NO 207Supplying & erecting mains with 2x1.5 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places as per specification no. WG-MA/BW CSR 1-3-1	3650	RMT.	**46**	**167900**	50	182500
ITEM NO 208 Supplying & erecting mains with 2x4 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places. as per specification no. WG-MA/BW CSR 1-3-3	2550	RMT.	**100**	**255000**	105	267750
ITEM NO 209 Supplying & erecting mains with 3x10 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places as per specification no. WG-MA/BW CSR 1-3-9	100	RMT.	**393**	**39300**	410	41000
ITEM NO.210 Supplying & erecting mains with 4x16 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places as per specification no. WG-MA/BW CSR 1-3-10	100	RMT.	**805**	**80500**	840	84000
ITEM NO.211 Supplying & erecting HMS PVC conduit 20mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification no. WG-MA/CC. CSR 1-1-7	200	RMT.	**105**	**21000**	110	22000

ITEM NO.212 Supplying & laying HMS PVC conduit 20mm dia. with necessary accessories in RCC work/false ceiling/false flooring as per specification no. WG-MA/CC. CSR 1-1-8	200	RMT.	**91**	**18200**	95	19000
ITEM NO.213 Supplying & erecting HMS PVC conduit 25mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification no. WG-MA/CC. CSR 1-1-9	200	RMT.	**117**	**23400**	130	26000
ITEM NO.214 Supplying & laying HMS PVC conduit 25mm dia with necessary accessories in RCC work/false ceiling/false flooring as per specification no. WG-MA/CC. CSR 1-1-10	200	RMT.	**103**	**20600**	110	22000
ITEM NO.215 Supplying & erecting HMS PVC conduit 32mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification no. WG-MA/CC. CSR 1-1-11	200	RMT.	**155**	**31000**	170	34000
ITEM NO.216 Supplying & laying HMS PVC conduit 32mm dia. with necessary accessories in RCC work/false ceiling/false flooring as per specification no. WG-MA/CC. CSR 1-1-12	200	RMT.	**140**	**28000**	150	30000
ITEM NO.217 Supplying and erecting integrated LED Bollard Cylindrical / Cubical shaped 500mm 8W IP65 & IK10 class having extrusion aluminium housing with polycarbonate diffuser, having system lumens output of Min. 800 Lumens, min. efficacy of 100 lumen/W, CRI>80, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-240V, inbuilt surge protection of 2 kV, Life class of 25,000 Hrs. at L50B50, including driver complete with minimum 2 Year warranty as per specification No.FG-ODF/BL CSR 2-3-19	850	NO.	**6180**	**5253000**	6450	5482500
ITEM NO.218 Supplying and erecting integrated LED Bollard Cylindrical / Cubical shaped 800mm 8W IP65 & IK10 class having extrusion aluminium housing with polycarbonate diffuser, having system lumens output of Min. 800 Lumens, min. efficacy of 100 lumen/W, CRI>80, CCT upto 6500K, THD<10%, p.f. >0.90,operating range of 140-240V, inbuilt surge protection of 2 kV, Life class of 25,000 Hrs. at L50B50, including driver complete with minimum 2 Year warranty as perspecification No FG-ODF/BL.CSR 2-3-20	380	NO.	**6906**	**2624280**	7260	2756400
ITEM NO.219 Supplying and erecting LED square / circular Max. 14 W down lighter / Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 1500 Lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs at L70B50 including	50	NO.	**1237**	**61850**	1300	65000

driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-4						
ITEM NO. 220 Supplying and erecting integrated LED street light fitting 23 to 25W IP65 & IK08 class having single piece pressure die-cast aluminium housing, having system lumens output of Min. 2300 Lumens, min. efficacy of 100 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.95, operating range of 140-270V, inbuilt surge protection of 10 kV, Life class of 50,000 Hrs at L70B50 including driver complete with minimum 2 Years warranty as per specification No. FG/ODF/ SL CSR 2-3-2	500	NOS	**2159**	**1079500**	2250	1125000
ITEM NO 221 Providing & erecting 3 m high (clear height) galvanised octagonal pole with foundation bolts having bottom of 130 mm A/F, top 70 mm A/F on provided foundation as per specification no. OH-PL/OPL CSR 8-2-9	500	NO	**10664**	**5332000**	11100	5550000
ITEM NO 222 Supplying & erecting watertight terminal box of 1.6 mm (16 gauge) CRCA sheet of size 200 x 150 x 150 mm. complete on pole as per specification No. CB-SB CSR 7-8-2	15	NO.	**491**	**7365**	520	7800
ITEM NO 223 Supplying and erecting LED Strip light Max. 45 W IP20 class having minimum lumens output of 800 Lumens/m, min. efficacy of 90 lumen/W, CRI>80, CCT upto 5000K, Beam Angle of 110 deg., THD<10%, p.f. >0.95, operating range of 230-270V, Life class of 30,000 Hrs at L70B50 including driver with minimum 1 year warranty as per specification No. FG-IDF/LED (IP Rated Out Door Quality) CSR 2-1-10	50	NOS	**1909**	**95450**	2000	100000
ITEM NO 224 Supplying LED concealed type foot / step light with aluminium body for indoor / outdoor application suitable for 4W - 6W LED including driver and erecting by making necessary arrangement / recess in wall to make it flush with surface with minimum 1 year warranty as per specification No. FG-IDF/LED. CSR 2-1-12	840	NOS	**1935**	**1625400**	2050	1722000
ITEM NO 225 Supplying & erecting integral post top lantern fixtures (mushroom type) suitable for LED lamp upto 12 W consisting of clear acrylic top cover, cast aluminium pole cap complete with accessories on provided pole /bracket as per specification no. FG-ODF/PTL. CSR 2-4-3	50	NOS	**1731**	**86550**	1800	90000
ITEM NO 226 Supplying & erecting integral post top lantern fixtures (globe type) suitable for LED lamp upto 12 W consisting of aesthetic round clear acrylic top cover, cast aluminium pole cap on provided pole	50	NOS	**1659**	**82950**	1750	87500

/bracket as per specification no. FGODF/ PTL (Fixed on ground/Walls) CSR 2-4-4						
ITEM NO.227 LED type Solar street light fixtures with heat sink for LED,crystalline/ polycrystalline silicon solar PV modules,suitablesize of maintenance free battery along with 5.5 mtr , 65mmdia GI pole with civil foundation, base plate, nut , bolts etcand all accessories required for completing installation as perspecification.MCGM R3-ME-5-6Solar street light of 24 Watt LEDMCGM R3-ME-5-6-c	125	NOS	**46191**	**5773875**	48000	6000000
ITEM NO.228 Supplying and erecting Gate / garden light fitting with 200mm dia. Glass bowl suitable for upto 12W LED Lamp on provided pipe as per specification No. FG-ODF/GLT. CSR 2-4-1	150	NOS	**636**	**95400**	670	100500
ITEM NO.229 Supplying and erecting Gate / garden light fitting with 300mm dia. Glass bowl suitable for upto 12W LED Lamp on provided pipe as per specification No. FG-ODF/GLT. CSR 2-4-2	110	NOS	**980**	**107800**	1020	112200
ITEM NO. 230 Supplying and erecting CRCA powder coated light LED fitting (4 feet) Max. 33W with high transitivity diffuser with system lumens output of Min. 4000 lumens, min. efficacy of 120 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., Ripple0.95, operating range of 120-270V, surge protection of 4 kV, Life class of 50,000 Hrs at L70B50 , IP20 rated including driver with end caps on provided PVC Block / wooded board with minimum 2 years warranty as per specification No. FG-IDF/LED CSR 2-1-19	10	NO.	**1424**	**14240**	1500	15000
ITEM NO. 231 Supplying and erecting LED square / circular Max. 7W down lighter / Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 770 Lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs at L70B50 including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with minimum 2 years warranty as per specification No. FG-IDF/LED CSR 2-1-2	20	NO.	**671**	**13420**	700	14000
ITEM NO. 232 Supplying and erecting integrated LED flood light fitting Max. 155W IP65 & IK07 class having pressure die-cast aluminium housing, having system lumens output of Min. 18600 Lumens, min. efficacy of 120 lumen/W, CRI>70, CCT upto 6500K,	20	NOS	**10467**	**209340**	10900	218000

THD<10%, p.f. >0.90, operating range of 140-270V, inbuilt surge protection of 4 kV, Life class of 50,000 Hrs at L70B50 including driver with U shaped bracket with minimum 2 Years warranty as per specification No. FGODF/ FL. CSR 2-3-17						
ITEM NO 233 Supplying and erecting integrated LED flood light fitting Max. 195W IP65 & IK07 class having pressure die-cast aluminium housing, having system lumens output of Min. 23400 Lumens, min. efficacy of 120 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-270V, inbuilt surge protection of 4 kV, Life class of 50,000 Hrs at L70B50 including driver with U shaped bracket with minimum 2 Years warranty as per specification No. FGODF/ FL (Beam Type) CSR 2-3-18	20	NOS	**17847**	**356940**	18600	372000
ITEM NO 234 Light fixtures complete with: a) All fixing accessories, mounting Brackets etc. necessary for completeness of installation b) Lamp of specified wattage c) Electronic ballast of suitable capacity as per specification SITC of Direct light outdoor floodlight Colour temperature [K]: 3000 MCGM R3-ME-4-1-i	20	NOS	**8729**	**174580**	9100	182000
ITEM NO.235 Light fixtures complete with:a) All fixing accessories, mounting Brackets etc necessary forcompleteness of installation.b) Lamp of specified wattagec) Electronic ballast of suitable capacity as per specificationSITC of IP67 linear surface-mounted LED luminaire. Extruded Hshaped aluminum profile.MCGM R3-ME-4-3-f	20	NOS	**22445**	**448900**	23400	468000
ITEM NO.236 SITC of IP67 flexible 24 V linear LED stripColor temperature (CCT) MCGM R3-ME -4-34-h	20	RMT.	**7481**	**149620**	7800	156000
ITEM NO. 237 Supplying and erecting Energy Saving Ceiling fan of 3 star rating as per BEE 230 V A.C. 50 cycles 1200 mm complete erected in position as per specification no. FG-FN/CF CSR 2-9-19	10	NO.	**1904**	**19040**	2000	20000
ITEM NO 238 Supplying and erecting electronic type step regulator for ceiling fan 600/ 900/ 1200/ 1400 mm. sweep, complete erected on provided switch board CSR 2-10-9	10	NO.	**193**	**1930**	210	2100
ITEM NO 239 Supplying and erecting fan hook box of 10 mm M.S. round bar bounded to the R.C.C. bars upto 50 mm length each side and pierced through a 16 S.W.G. thick aluminium/M.S. Bowl 100 mm dia. or equivalent square size and having depth upto 75 mm complete erected with duly painted by one coat of red oxide paint and two coats of paint erected in position and	10	NO.	**188**	**1880**	200	2000

without any leakage of slurry of cement concrete on either side of the box and positioned to the bottom level of the slab. CSR 2-10-5						
ITEM NO 240 Supplying and erecting 'B' class G.I. pipe / M.S. pipe down rod duly painted for fan complete erected with PVC three core flexible cable 1 sq. mm copper PVC wire. CSR 2-10-6	10	Rmt.	244	2440	260	2600
ITEM NO 241 Point wiring for ceiling fan concealed type in min 20 mm HMS PVC conduit with 1.5 sq mm. (2+1E) FRLSH grade copper wires, modular type switch, earthing and required accessories as per specification no. WG-PW CW CSR -1-7-6	11	NO	876	9636	920	10120
ITEM NO 242 Point wiring for light/bell concealed type in min 20 mm HMS PVC conduit with 1.5 sq mm. (2+1E) FRLSH grade copper wires, modular type switch, earthing and required accessories as per specification no. WG-PW CW CSR 1-7-5	12	NO	789	9468	830	9960
ITEM NO 243 Point wiring for independent plug, concealed type in min 20 mm HMS PVC conduit with 1.5 sq mm (2+1E) FRLSH grade copper wires, modular type switch and socket, earthing and required accessories as per specification No WGPW/SW CSR 1-7-7	15	NO	897	13455	940	14100
ITEM NO 244 Point wiring for independent plug, concealed type in min 20 mm HMS PVC conduit with 1.5 sq mm (2+1E) FRLSH grade copper wires, modular type switch and socket, earthing and required accessories as per specification No WGPW/SW CSR 1-7-7	10	NO	897	8970	940	9400
ITEM NO 245 Supplying & erecting CRCA sheet metal enclosures of 1.2mm thickness with 20A, 2 pin plug & earth socket and 20A, 3 pin plug top with 20A/32A single pole MCB having rated short - circuit breaking capacity (Icn) 10kA complete erected on provided angle iron GI frame. CSR 5-4-13	2	NO	950	1900	990	1980
ITEM NO. 246 Supplying and erecting modular type switch 6A/10A on provided plate and box with wiring connections complete CSR 1-6-1	225	NO.	73	16425	80	18000
ITEM NO. 247Supplying and erecting modular type switch 16A on provided plate and box with wiring connections complete(CSR 1-6-2	50	NO.	109	5450	120	6000
ITEM NO 248 Supplying and erecting shockproof 3 pin plug socket 6A with porcelain base flush type erected on filled polypropylene board or polished thick varnished double wooden block / folded or screwed board with top of either wooden/3mm thick hylam sheet/ 4mm thick plywood pasted with 1.5mm	20	NO.	51	1020	55	1100

thick laminate with S M screws and duly connected. CSR 1-5-3						
ITEM NO 249 Supplying and erecting shockproof 3 pin plug socket 16A with porcelain base flush type erected on filled polypropylene board or polished thick varnished double wooden block / folded or screwed board with top of either wooden/3mm thick hylam sheet/ 4mm thick plywood pasted with 1.5mm thick laminate With S M screws and duly connected CSR 1-5-4	20	NO.	**68**	**1360**	75	1500
ITEM NO 250 Supplying and erecting modular type 3 pin 6/16A multi socket with safety shutter on provided plate and box with wiring connections complete. CSR 1-6-11	20	NO.	**188**	**3760**	200	4000
ITEM NO 251 Supplying and erecting ceiling rose/ batten holder/ slanting holder/ hanging cord switch/ hanging bell push/ pendant holder bakelite base 6A erected on filled polypropylene board or polished double wooden block/ PVC junction box. CSR 1-5-5	10	NO.	**43**	**430**	50	500
ITEM NO. 252 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 4 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-I I (U) CSR 7-2-31	500	Rmt.	**302**	**151000**	320	160000
ITEM NO 253 Supplying & erecting mains with 3x4 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places as per specification no. WG-MA/BW CSR 1-3-7	680	Rmt.	**151**	**102680**	160	108800
ITEM NO. 254 Supplying and erecting GI earth conductor of required sizes used for earthing or any other purposes on wall with necessary GI clamps fixed on wall/cable/ conduit with screws complete CSR 9-2-5	15	KG	**170**	**2550**	180	2700
ITEM NO. 255 Supplying, installing and testing earthing with copper earth plate size 30 x 30 x 0.315 cm complete with all accessories of copper materials & recording the results as per specification no. EA-EP CSR 9-1-2	10	NO.	**6754**	**67540**	7050	70500
ITEM NO. 256 Supplying, installing and testing pipe type earthing with 40mm. dia. G.I. pipe or 20 mm dia. G.I. Rod complete with all accessories of GI materials & recording the results as per specification no. EA-EP CSR 9-1-4	15	NO.	**1553**	**23295**	1650	24750
ITEM NO. 257 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 6 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per	180	Rmt.	**402**	**72360**	420	75600

specification no. CB-LT/CU CSR 7-2-32						
ITEM NO 258 Supplying, installing, testing and commissioning of 1 kWp OFF-GRID solar power pack with interconnecting wires / cables up to 12 V pure sine wave solar power inverter (HID-3*n), SPV Modules (335 WP X 03 Nos.), C-10rated lead acid battery bank 12 V, 400 Ah / (12V, 100 Ah x 4 nos.) suitable for4 Hours backup with suitable MS powder coated stand to hold battery bank andkeeping sufficient space for filling distilled water, canopy box to house inverter and other electronics, wiring up to solar inverter in casing and capping, displayboard, sign board , two distinct earthing, spike type lightning arrester, necessary accessories complete with 5 year ON-SITE warranty and fully comprehensive maintenance contract as per specification no. ESD-RT-OFG CSR 4-4-1	5	NO.	**76565**	**382825**	79600	398000
ITEM NO 259 Preparing Lawn (30 cm. depth):- Excavating the ground to a required depth of 30cms, removing & conveying unwanted stuff to a required distance as directed. Filling fresh garden soil silt & manure in excavated area in 3:1 proportion to a height of 30cms. Mixing garden soil and manure thoroughly well, leveling, and watering on previous night. Planting required variety of lawn grass as directed and maintaining till well established by watering, weeding, clinning rolling etc completePARK AND GARDENDSR	3000	SMT	**699**	**2097000**	730	2190000
ITEM NO 260 Preparing flower Bed:-Excavating the ground to the required depth of 30cms. Removing and conveying unwanted stuff to a required distance as directed, Filling fresh garden soil & manure in excavated area in 3:1 proportion to a required height of 30cms Mixing garden soil and manure thoroughly well, leveling, watering, on previous night. Planting seedlings of required annuals 25cms apart Maintaining till well established by watering, weeding, Stirring replacing of casualties etc. Complete PARK AND GARDEN DSR	2650	SMT	**690**	**1828500**	720	1908000
ITEM NO 261 GARDEN SOILSupplying on site garden soil well sieved 90% to pass through IS sieve of 10 mm size free from stones rubbish like dried grass roots and other such materials. The soil should be fresh from quarry. The color of the soil generally is red. The soil will be measured by measuring box. (Farma) Item includes royalty charges, octroi, corporation Tax Transporting loading -unloading etc (Lead charges per 90 km. considered) PARK AND GARDEN DSR .	2250	CMT	**849**	**1910250**	890	2002500

ITEM NO.262 FARM YARD MANURE:-Supplying on site well decayed, well dried, well powdered, without clods and free from stones, dried grass and other rubbish material. The color of the manure generally is black. The manure will be measured by measuring box.(Farma)Item includes Transporting, loading -unloading etc (Lead charges per 30 kom. are considered) PARK AND GARDEN DSR	300	CMT	**829**	**248700**	870	261000
Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in pollybag. (Wherever applicable)						
ITEM NO.263 Sapling of small & medium Ornamental flowering plants, Ornamental ficus, Mussanda etc. Thuja, Cupresus, Common Ornamental Shrubs for Shrubbery PARK AND GARDEN DSR	3980	NOS	**51**	**202980**	55	218900
ITEM NO.264 Palm Varities (Red Palm, Fox Tail Palm, Bottle Palm, Rhaphis Palm, Table Palm, Cristal Palm etc.) 6-8Ft PARK AND GARDEN DSR	300	NOS	**1314**	**394200**	1400	420000
ITEM NO.265 Plants required for Landscaping (Euphorbia, Hemelia, Malphegra, Mussanda, Ticoma, Song of India, Golden Bamboo, Buddhas Bamboo, Golden Ficus, Phonicus Palm X'mas Tree, Ficus Panda etc.) 4-5 ft PARK AND GARDEN DSR	800	NOS	**278**	**222400**	290	232000
ITEM NO. 266 Preparing Shrubbery - Excavating the ground to required depth of 30cms, removing and conveying unwanted stuff to a required distance as directed. Filling fresh garden soil & Manure in excavated area in 3:1 proporation to a height of 30cms. Mixing garden soil & manure thoroughly well, levelling, and watering on previous night, planting well developed shrubs plant 0.5 Mtrs. apart as directed and maintaining till well established by watering, weeding, stirring, replacing casualties etc. complete PARK AND GARDENDSR	1176	SMT	**659**	**774984**	690	811440
ITEM NO. 267 Forrest Trees (Peltophorum,Bakul,Kecia,Neem,Tabobia, LTC) Annex IX(8-10 FT.) PARK AND GARDEN DSR	60	NOS	**657**	**39420**	690	41400

ITEM NO. 268 Trimming of trees having girth between 2' to 5' MCGM R3-GW-8-2	100	NOS	**2368**	**236800**	2500	250000
ITEM No 269 Plant Protection measures for tree having girth between 2'to 5' MCGM R3-GW-8-22	350	NOS	**292**	**102200**	310	108500
ITEM NO 270 Quisqualis 24indica 6 " to 9 " height excluding pollybag MCGM R3-GW-5-205	400	NOS	**17**	**6800**	20	8000
ITEM NO. 271 Bougainvillea purviana Thimma 6 " to 9 " height excluding pollybag MCGM R3-GW-5-20	650	NOS	**35**	**22750**	40	26000
ITEM NO 272 Codiaeum variegatum Hybrid croton 6 " to 9 " height excluding pollybag MCGM R3-GW-5-37	50	NOS	**46**	**2300**	50	2500
ITEM NO. 273 Samanea saman Rain tree 4' to 5 ' height excluding pollybag MCGM R3-GW-5-295	50	NOS	**82**	**4100**	90	4500
ITEM NO. 274 Roheo discolor Rhoeo Nana 4" to 6" height excluding pollybag MCGM R3-GW-5-145	50	NOS	**12**	**600**	15	750
ITEM NO. 275 Roheo discolor Rhoeo Tall 4" to 6" height excluding pollybag MCGM R3-GW-5-146	50	NOS	**23**	**1150**	25	1250
ITEM NO.276 Delonix regia Gulmohar 4' to 5 ' height excluding pollybag MCGM R3-GW-5-261	50	NOS	**82**	**4100**	90	4500
ITEM NO.277 Verbena 6 " to 9 " height excluding pollybag MCGM R3-GW-5-158	50	NOS	**17**	**850**	20	1000
ITEM NO.278 Chlorophytum laxum Dwarf Chlorophytum 6 " to 9 " height excluding pollybag MCGM R3-GW-5-40	50	NOS	**23**	**1150**	25	1250
ITEM NO.279 Chlorophytum comosum Spider Plant 6 " to 9 " height excluding pollybag MCGM R3-GW-5-39	50	NOS	**23**	**1150**	25	1250
ITEM NO 280 Mangifera indica Mango 4' to 5 ' height excluding pollybag MCGM R3-GW-5-284	25	NOS	**146**	**3650**	160	4000

वरील कामी **मे. गजानन कंस्ट्रक्शन** या निविदाधारकाने **वरील दराची (रु.40,13,42,665/-)** निविदा सादर केली आहे. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. महाराष्ट्र शासन, शासन निर्णय क्रमांक :- मनपा-2024/प्र.क्र.221/नवि-16 (ई-815728)दि.05सप्टेंबर 2024 अन्वये सदर कामास तत्वत:

मान्यता देऊन सदर कामासाठी रु.2.00 कोटी रक्कम मंजुर केल्याने रु.2.00 कोटीच्या मर्यादेत काम करणे आवश्यक आहे. पुढील काम टप्प्याटप्प्याने निधी मंजुर झाल्यानंतर करावयाचे आहे. त्यानुसार निधी उपलब्धतेप्रमाणे टप्प्याटप्प्याने कार्यादेश देण्यात येतील.

नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील 01 कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार प्रशासकीय ठरावाव्दारे मान्यता देण्याचा प्रस्ताव प्रशासनाने सादर केला आहे.

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबधित विभागाने विहित पध्दतीने करावी.

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

(संजय काटकर, भाप्रसे)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

प्रत बांधकाम विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना

मिरा-भाईंदर महानगरपालिका

बांधकाम विभाग

दि. ५ / २ /2025

// गोषवारा //

प्रकरण क्र. (४२५) :- निविदेस मान्यता देणेबाबत.

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव
1	2	3	4	5
1.	1129086_1	मिरा भाईंदर महानगरपालिका हद्दीतील सर्व आरक्षणे व सुविधा भुखंड विकसित करणे. (मुलभुत सोई सुविधांचा विकास)	रु.40,12,86,923/-	मे. गजानन कंस्ट्रक्शन मे. बिटकॉन इंडिया इन्फ्रास्ट्रक्चर डेव्हलोपर्स प्रा.लि.,

Item Description	Qty	Unit	M/s. Gajanan Construction				M/s. Bitcon India Infrastructure Developers Pvt Ltd	
			Quated Rate	Quated Amount	Final Rate	Final Amount	Rate	Amount
ITEM NO 01 Dismantling brick masonry in lime or cement mortar and stacking the materils as directed with all leads, lifts etc. SSR 46 09/296	25	CMT	354	8850	**351.75**	**8793.8**	370	9250
ITEM NO 02 Dismantling stone masonry in lime or cement mortar including stacking the materils as directed with all leads, lifts etc SSR 46 11/296	123.5	CMT	401	49523.5	**399.00**	**49276.5**	420	51870
ITEM NO 03 Dismantling the R.C.C. Work 1:2:4 and sorting out the materials such as steel etc. as directed and stacking them within the specified lead as directed etc. complete. SSR 46 29/297	45.53	CMT	1532.00	69751.96	**1,523.55**	**69364.5**	1600	72848
ITEM NO 04 Removing cement tiles, or marble or polished shahabad floor or dado without bed concrete including stacking the materials as directed with all leads, lifts etc. complete SSR 46 19/297	6.62	SMT	48.00	317.76	**47.25**	**312.7**	50	331
ITEM NO 05 Dewatering on BHP basis by using water pump including diversion of stream, providing cofferdams, earthern bunds etc. as may be necessary for foundation and other parts of the the works and pumping out water during and after excavation as may be required by using 10.0 to 19.0 BHP pump etc. complete. (prior approval of Superintending Engineer will be necessary) SSR 12 24/86	720	HRS	235	169200	**234.15**	**168588.0**	250	180000
ITEM NO 06 Excavation for foundation in earth, soil of all types, sand, gravel and soft murum,	5884.1	CMT	219.0	1288617.9	**217.35**	**1278906.1**	230	1353343

including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical Means SSR 21.02 / 153								
ITEM NO 07 Excavation for foundation in earth, soils of all types, sand,gravel and soft murum, including removing the excavated material upto a distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift from 1.5m to 3.0m) By Mechanical Means SSR 21.04 / 153	365.8	CMT	272.0	99497.6	**270.90**	**99098.3**	290	106082
ITEM NO 08 Excavation for foundation in earth, soils of all types, sand,gravel and soft murum, including removing the excavated material upto a distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift from 3m to 4.5m) By Mechanical Means/SSR 21.04/153 Pg 6/ xix a	150.6	CMT	327.0	49246.2	**325.08**	**48944.9**	350	52710
ITEM NO 09 Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layers including watering and compacting etc. complete. SSR 21.36/157	1280.1	CMT	127.0	162572.7	**126.00**	**161291.6**	140	179214
ITEM NO 10 Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete. SSR 21.37 / 157	5120.4	CMT	1219.0	6241767.6	**1,212.59**	**6208906.8**	1280	6554112
ITEM NO 11 TRANSPORTING OF EXCAVATED MATERIALS lead 20.00 k.m. SSR in Statement C 1 (Page 560)	5120.4	CMT	471.0	2411708.4	**468.37**	**2398226.7**	500	2560200
ITEM NO 12 Providing preconstructional antitermite treatment as per I.S. 6313 (Part-I) to the soil along the external face of building by punching holes of 1.2 of 1.5 C.M. diametre about 30 -60 cm deep at 15 cm c/c as close to the wall as possible and to inject 0.5 percent of aldrin or clorophyrifos at the rate of 7.5 litres per hole and sealing the	2995.0	SMT	186.0	557070	**184.80**	**553476.0**	200	599000

same with proper filling and covering 10 years guarantee on bond paper. SSR 21.25/156								
ITEM NO 13 Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete. SSR 21.38 / 157	1624.6	CMT	3258.0	5292946.8	**3,240.42**	**5264290.7**	3410	5539886
ITEM NO 14 Providing and laying Cast in situ/Ready Mix cement concrete in M20 of trap/ granite/quartzite/gneiss metal for bed blocks, foundation blocks and such other items including bailing out water, Steel centering, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.), with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) SSR 24.10/176	1030.7	CMT	8436.0	8694985.2	**8,391.86**	**8649039.0**	8820	9090774
ITEM NO 15 Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C columns and steel stanchion etc. columns as per detailed designs and drawing or as directed including Steel centering formwork, cover blocks laying/pumping, compaction finishing the formed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) SSR 25.15/178	183.6	CMT	9179.0	1685264.4	**9,130.61**	**1675971.4**	9590	1760724
ITEM NO 16Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap / granite /quartzite/ gneiss metal fo R.C.C. columns as per detailed designs and drawing or as directed including steel centering, formwork,cover	62.3	CMT	16229.0	1011066.7	**16,143.56**	**1005072.2**	16960	1056608

blocks laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)SSR 25.35/180								
ITEM NO.17 Providing and laying Ready Mix cement concrete M-45 of trap / granite/quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) SSR 25.39/181(RA)	11.6	CMT	16526.0	191701.6	**16,439.22**	**190563.4**	17270	200332
ITEM NO. 18 Providing and laying Cast in situ/Ready Mix cement concrete in M-30 of trap/ granite/ quartzite/ gneiss metal for R.C.C. pards of required thickness including steel centering, formwork, cover blocks, laying/pumping, compacting and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) omplete (prior approval of superinteding Engineer will be necessary) SSR no. 26.19/185(RA)	85.5	CMT	18190.0	1555245	**18,094.46**	**1546262.1**	19000	1624500
ITEM NO.19 Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover	784.6	CMT	14630.0	11478698	**14,552.81**	**11418665.9**	15290	11996534

blocks, laying/ pumping, compactionand roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) SSR 25 54 /181								
ITEM NO 20 Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) SSR 25 74 / 183	313.1	CMT	16386.0	5130456.6	**16,300.01**	**5104178.8**	17120	5360272
ITEM NO 21Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.SSR 26.33 / 188	231.2	MT	94687	21891634.4	**94,188.15**	**21776300.3**	98900	22865680
ITEM NO 22 Providing and fixing in position to the exact profile and prestressing the high tensile strands to specified ultimate strength, standard end anchorages, cable ducts, grouting ducts after prestressing and bearin plates with wedges as per detailed drawings including necessary plant and machinery for prestressing etc complete. SSR 14.06 (Providing, installing & Stressing Tendons for PT Beams)	13.5	MT	195385	2637697.5	**1,94,355.00**	**2623792.5**	204100	2755350
ITEM NO 23 Providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates etc. as per detailed designs and	10	MT	126097	1260970	**1,25,431.95**	**1254319.5**	131800	1318000

drawings or as directed including cutting, fabricating, hoisting, erecting fixing in position, Making riveted/ bolted/ welded connection and one coat of anticorrosive paint and over it 2 coats of oil painting approved quality and shade etc. complete. SSR 23 04 /173								
ITEM NO 24 Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted /welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete. SSR 23 01/173	15	MT	107503	1612545	**1,06,936.20**	**1604043.0**	112300	1684500
ITEM NO 25 Providing and fixing double scaffolding system (cup lock type) on The exterior side of building/structure, including additional rows of scaffolding in stepped manner as per requirement of site, made with 40mm dia M.S. tube, placed 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube challis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and/ or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc., complete as per directions and approval of Engineer-in-charge. Note:- (1) The elevational area of the scaffolding shall be measured for payment purpose. (2) The payment will be made once only for execution of all items for such works. SSR 46 42/299	6816	SMT	295	2010720	**292.95**	**1996747.2**	310	2112960
ITEM NO 26 Providing and fixing 20 to 25 mm thick rough shahabad box type waterproofing for basement or underground floor on a base of Cement concrete 1:3:6, including sub base of 2.50 centimeter thick Cement mortar 1:3 with conceal, secrete (RMW), Algae proof or other alike waterproofing liquids, raking of joints upto 35 mm depth, filling the joints	180.93	SMT	1383	250226.19	**1,375.49**	**248867.4**	1450	262348.5

with 6 mm size crushed metal, hand grouting with cement slurry, curing and cleaning, with 7 years guarantee on court fee stamp of Rs. 100/- with ponding test etc complete. (excluding Cement concrete 1:3:6 base concrete) SSR 31.12/206								
ITEM NO 27Providing and fixing 20 to 25 mm thick rough shahabad box type waterproofing treatment to vertical outside faces of Reinforced Cement concrete walls of basement or underground floor including filling the gap of 25 mm between rough shahabad and R.C.C. walls with cement grout mixed with wate proofing liquid Algae proof or other alike with one tile lift method, brushing the joints horizontally with cement slurry mixed with water proofing liquid for width 30 to 35 mm and sloping coping over topmost tile with cement mortar 1:3 butting the bottom most with Cement concrete 1:2:4 mixed with water proofing liquid, curing, with 7 years guarantee on court fee stamp of Rs.100/- with ponding test etc complete (excluding Cement concrete 1:3:6 base concrete)SSR 31.13/207	284.85	SMT	1438	409614.3	**1,430.09**	**407361.1**	1510	430123.5
ITEM NO 28 Providing waterproofing in W.C. and bath including brick bat coba in all position including providing and laying 12mm bedding in cement mortor 1:3 on vergin concrete slab with waterproofing compound @ 1Kilogram/per bag of cement laying brick bat coba of required thickness in cm 1:5 with waterproofing compound 1 Kilogram/bag of cement grouting and finishing the top layer with 20mm thick brick bedding in cm mortor 1:3 with waterproofing compound 1 Kilogram/per bag of cement and testing the treated portion for 48 hours by pond test and covering ten years' guarantee on requisite stamp paper including curing etc. complete. SSR 31.26/ Pg 208	45.42174	CMT	7973	362147.533	**7,930.50**	**360217.1**	8330	378363.0942
ITEM NO 29 Providing cement based water proofing treatment to terraces (Indian water proofing or alike) with brick bats laid in required slope to drain the water for any span after cleaning the base surface. Applying a coat of cement slurry admixed with approved water proofing compound and laying the brick bats on bottom layer in C.M.1:5 admixed with approved water proofing compound filling up to half depth of brick bats, curing this layer for 3 days, applying cement slurry over this layer joints of brick bats with C.M.1:3 admixed with	1280	SMT	1381	1767680	**1,373.24**	**1757747.2**	1450	1856000

approved water proofing compound and finally top finishing with average 20 mm. thick layers of same mortar added with jute fiber at 1 Kg per bag including finishing the surface smooth with cement slurry admixed with approved water proofing compound. Marking finished surface with false squares of 300mm x 300 mm. making the junctions at the parapet rounded and tapered top for required height, with drip mould at the junction of plaster and parapet and curing and covering 10 years Guarantee against leakproofness on Court fee stamp paper of Rs. 500/- including ponding test etc. complete. SSR 31.04 / 205								
ITEM NO 30 Providing and applying water proofing treatment using acrylic polymer modified cement based water proofing coating with fibre glass mesh mixing at the rate of powder to liquid (2:1) by weight covering 9 to 10 sqm /kg with two coat using approved chemicals for masonry and concrete surface by brush covering 7 years guarantee on Stamp Papers etc. complete. SSR 31.09/206	100	SMT	649	64900	**645.75**	**64575.0**	680	68000
ITEM NO 31 Providing and laying damp proof course 50 mm thick in M20 cement concrete layer and bitumen / using cement with waterproofing compound curing, formwork etc. complete. SSR 31.01/205	320	SMT	456	145920	**453.60**	**145152.0**	480	153600
ITEM NO 32 Providing and fixing chicken mesh of 22 gauge, with about 30 cm. width at the junction of R.C.C members and brick work, of approved quality including fixing mesh in position by necessary drilling in concrete /B B masonry and or tying by binding wire etc. complete. SSR 32.26/210	1850	RMT	60	111000	**59.85**	**110722.5**	70	129500
ITEM NO 33Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. CompleteSSR 27.05 / 197	383.79	CMT	10080	3868603.2	**10,027.16**	**3848323.7**	10530	4041308.7
ITEM NO 34 Providing Autoclaved Aerated Concrete Block masonary of conforming to IS:2185 (Part 3) - 1984 in extra fine jointing mortar of fixoblock of UltraTech or equivalent in superstructure including striking joints, raking out joints and scaffolding etc. Complete. (The test shall be carried out conforming to IS:6441 (Part I) - 1972) SSR 27.15	51.0708	CMT	7748	395696.5584	**7,707.00**	**393602.7**	8100	413673.48

ITEM NO 35 Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in superstructure including striking joints, racking out joints watering and scaffolding etc. complete SSR 27.13/198	1452.39705	CMT	9143	13279266.23	**9,094.76**	**13209202.6**	9550	13870391.83
ITEM NO 36 Providing uncoursed rubble masonry of trap / granit / quartzite / gneiss stones in cement mortar 1:6 in superstructure including racking out joints when plastering is to be done / striking joints when no plastering is to be done on inside watering and scaffolding etc complete. SSR 28.04/199	29.25	CMT	7897	230987.25	**7,855.27**	**229766.6**	8250	241312.5
ITEM NO 37 Providing coursed rubble masonry second sort of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in superstructure including raking out joints when plastering is to be done and striking joints when no plastering is to be done on the inside, watering scaffolding etc complete SSR 28.10/146	11.25	CMT	13828	155565	**13,754.93**	**154743.0**	14450	162562.5
ITEM NO 38 Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc complete SSR 32.11 / 209	8253.25706	SMT	704	5810292.97	**700.64**	**5782562.0**	740	6107410.224
ITEM NO 39 Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete. SSR 32.04 / 209	9031.61726	SMT	307	2772706.499	**305.40**	**2758255.9**	330	2980433.696
ITEM NO 40 Providing and applying plaster with plaster of paris in 6mm thickness to previously plaster surface in all position including preparing the surface scaffolding etc. complete. SSR 32.27/210	900	SMT	152	136800	**151.20**	**136080.0**	160	144000
ITEM NO 41 Providing and applying plaster / wall punning with plaster of paris (with plaster of paris material) in 10 to 13 millimeter thickness to previously plastered surface / or on newly brick surface (Excluding rough cast plaster) in all position including preparing and Finishing the surface scaffolding etc complete	8769.94526	SMT	604	5297046.937	**600.60**	**5267229.1**	640	5612764.966

SSR 32.30/211								
ITEM NO 42 Providing and applying priming coat on concrete/ masonary/ Asbestos Cement plastered surfaces including scaffolding if necessary, preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and sand papering as required etc. complete. SSR 35.21 / 225	8769.94526	SMT	38	333257.9199	**37.80**	**331503.9**	40	350797.8104
ITEM NO 43Providing and applying pearl/ luster finish paint of approved colour and shade to the existing plaster surface including scaffolding, preparing the surface, applying the acrylic wall putti etc complete.SSR 35.23 / 225	2630.983578	SMT	228	599864.2558	**226.80**	**596707.1**	240	631436.0587
ITEM NO 44 Providing and applying Royale Luxury Emulsion of approved make on internal wall surface as detailed below Scrapping for surface with emery paper and wipe clean for area. wall primer with brush by adding mineral turpentine oil by 8 to 10 % or water by 15 to 20% allowing to dry for 6 to 8 hoursAfter applying acrylic wall putty with appropriate prpportion of water of allow to dry for period of 4 to 6 hours of activity. Scrapping with emery paper and wipe clean Applying paints Royale Luxury emulsion 1st coat with brush water content water 40 to 45% or 65 to 70% by role Applying paints Royale luxury emulsion 2nd coat with brush with water content 40 to 45% or 65 to 70 % by roller. (With prior approval of S.E.) SSR 36.21/229	6138.961682	SMT	290	1780298.888	**288.75**	**1772625.2**	310	1903078.121
ITEM NO 45 Providing and applying Texture plaster with finishing with texture material of approved make in 3 to 4 millimeter thickness on previously plastered surface, including Plaster Groove 6mm thickness or Tape Grooves 35 to 45 mm thickness or as required, in all position including preparing the surface, scaffolding etc. complete. SSR 32.32/211	6579.06946	SMT	663	4361923.052	**659.40**	**4338238.4**	700	4605348.622
ITRM NO 46 Labour charges for providing groove in external plaster having width and spaced as directed by engineer incharge etc. complete. SSR 32.22	1000	RMT	52	52000	**51.45**	**51450.0**	60	60000
ITEM NO 47 Providing and applying two coats Apex Ultima Puranature Anti-Pollution Or equivalent approved brand, paint should decomposes organic substances and inorganic gases(NOx, VOC's, CO, SOx, formaldehydes, etc.) in presence of natural or artificial light. It contains Graphene and	8253.25706	SMT	393	3243530.025	**390.60**	**3223722.2**	420	3466367.965

nanoparticles of titanium oxide. and Absorbs CO2 (4.8 Kilogram/15 l). plaster crack should be filled by Acrylic base Crack seal/Textured Crack filler, Paint has to applied on one coat of Apex Ultima Puranature Anti-Pollution Primer or Equivalent. Warranty Should be given by the Manufaturer The work should be done by the Manufacturer Recommended applicator and he should be able to furnish stage wise onsite technical reports from the concerned company technologist SSR 50 79/ 346								
ITEM NO 48 Providing and laying vitrified mirror / glossy finish tiles decorative type having size 590 mm to 605 mm x 590 mm to 605 mm of 8 to 10 mm thickness and confirming to IS. 15622-2006 (group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1 4 cement mortar including neat cement float, filling joints, curing and clearing etc. complete. a) Flooring SSR 33 40 / 217	150	SMT	1260	189000	**1,253.84**	**188076.0**	1320	198000
ITEM NO 49 Providing and laying full body heavy duty, scratch resistant, high abrasion resistant vitrified mirror / glossy/ matt finish tiles for flooring decorative type having size 800 X 800, 1000 X 1000, 800 X 2400 mm (approved size) etc. of 10 to 12 mm thickness and confirming to IS 15622-2006 (group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1 4 cement mortar including neat cement float, filling joints, approved colour grout, curing and clearing etc. complete. Approved MR	2109.41 268	SMT	4091	8629607.2 74	**4,069.00**	**8583200.2**	4280	9028286.27
ITEM NO 50Providing and fixing polished natural stone tiles as specified below of approved quality, pattern and colour for dado including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement or pigment mixed with cement, polishing, finishing, curing etc complete as directed by Engineer In Charge 18mm thk. Jaisalmer Stone/ Yellow MarbleMCGM R3-CS-FL-28-i	351.568 78	SMT	2908	1022362.0 12	**2,893.00**	**1017088.5**	3040	1068769.091
ITEM NO 51 Providing and laying polished natural stone as specified below (Machine cut) of an approved quality and size for paving /flooring in plain and/or	351.568 78	SMT	2333	820209.96 37	**2,321.00**	**815991.1**	2440	857827.8232

diamond /approved pattern including cement mortar bedding of 25 mm thick in 1:4 proportion, cement float, machine cutting, dressing, leveling, jointing, filling the joints with neat cement slurry or with required pigment, machine polishing at site, curing, finishing, etc complete as directed by Engineer In Charge. 18 mm thk. White marble of superior quality and white cement float MCGM R3-CS-FL-01-e								
ITEM NO 52 Providing and laying machine cut machine Polished Kota stone flooring 25mm to 30mm thick and required width in plain/ diamond pattern on bed of 1:6 C. M. including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete. SSR 33 06/213	351.568 78	SMT	1336	469695.89 01	**1,329.14**	**467284.1**	1400	492196.292
ITEM NO 53 Providing and laying in position flooring of telephone black / Amba White / Cat bary brown / Ruby red / Ocean Brown granite stone of approved shade and size 18 mm to 20 mm thick on bed 1:6 cement mortar including cement floats striking joints, pointing in C.M. 1:3 curing and cleaning etc. complete. SSR 33 34/216	351.568 78	SMT	4267	1500143.9 84	**4,244.99**	**1492406.0**	4460	1567996.759
ITEM NO 54 Providing and laying vitrified mirror / glossy finish tiles having size 590 mm to 605 mm x 590 mm to 605 mm of 8 to 10 mm thickness and confirming to IS: 15622-2006 (group BIa) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints, curing and clearing etc. complete b) Skirting SSR 33 41 / 217	1383.89 15	SMT	1340	1854414.6 1	**1,332.59**	**1844160.0**	1400	1937448.1
ITEM NO 55 Providing and laying Antiskid Ceramic tiles of approved quality of size 30 cm x 30 cm and confirming to IS.15622-2006 (Group-B IIA) for antiskid flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with cement slurry cleaning curing etc. complete. SSR 33 67/220	254.553 1	SMT	1282	326337.07 42	**1,275.29**	**324629.0**	1340	341101.154
ITEM NO 56 Providing and laying ceramic tiles having size 30cm.x60cm. confirming to corresponding I.S. for dado and skirting in required position with ready made adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete. SSR 33 27/ 215	20	SMT	1485	29700	**1,476.89**	**29537.8**	1560	31200

ITEM NO 57 Providing and fixing machine cut machine polished 18 mm to 20 mm thick telephone black / Amba White / Cat bary brown / RBI red / Ocean Brown granite stone for treads and risers of steps and staircases of approved colour and shade with rounded moulding and three grooved line for the treads on bed of 1 4 Cement mortar including float filling joints with neat cement slurry curing polishing and cleaning etc. complete. SSR 33.35/216	363.111	SMT	4424	1606403.064	**4,400.39**	**1597830.0**	4630	1681203.93
ITEM NO.58Providing and fixing machine cut mirror polished 18 mm to 20 mm thick telephone black granite / Amba White / Cat bary brown / RBI red / Ocean Brown granite stone partition with full moulding the edges etc. complete . Both side polishSSR 33.36/216	4.86	SMT	4247	20640.42	**4,224.45**	**20530.8**	4440	21578.4
ITEM NO.59 Providing and constructing granite kitchen platform with fixing of stainless steel sink 600 mm x 450 mm size as per detailed drawing including vertical both side polished kadappah stone 25 to 30 mm thick supports with kadappah top 35 to 40 mm thick and polished granite 16 to 20 mm top with side strips of granite at front and both sides of platform raised with two vertical granite supports 15 cm height and top granite of 75 x 40 cm including cutting, opening for sink of required size in kadappah as well as granite etc. complete. (Platform top size 5.00 m x 0.60 m and height is 0.75 m) SSR 41.78/273	3	SMT	10373	31119	**10,318.35**	**30955.1**	10840	32520
ITEM NO.60 Providing & fixing wood finished Step seating (Pine wood or equivalent- Avg thikness 30 MM), with base of 8 mm thk Marine grade plywood, Wooden flooring to be laid as per pattern and treated properly with sanding, sealer coating, staining & 2 coats of varnish as directed as per detailed drawings. Approved MR	106.05	SMT	11038	1170579.9	**10,980.00**	**1164429.0**	11530	1222756.5
ITEM NO 61 Wooden floor tiles (including skirting) Providing & laying Hardwood flooring (strip format)with standard specifications, Board constructedwith 3 layers, Top layer of 3 to 6 mm thk veneer, Core material of high density fiber board, and balancing layer, Wood species of as per selection (oak, Walnutm Teak, Ash and other exotic species). The surface to be pre- finished with UV hardner acrylic hardner, free of formaldehyde and solvents. Finish of Top layer to be Matt or Satin or brushed having resistance to	128	SMT	6680	855040	**6,645.00**	**850560.0**	6980	893440

house hold chemicals & stains and not to change colour. Approved MR Spec. As directed by Engineer-In-Charge.								
ITEM NO 62 Providing and fixing frame with / without ventilator of size as specified with Country cut teak wood for doors and windows including chamfering, rounding, rebating, iron holdfast of size 300mm x 40mm x 5mm with oil painting, etc. complete SSR 39.01 / 245	1.96793 9006	CMT	211166	415561.80 81	**2,10,052.5 0**	**413370.5**	220600	434127.3447
ITEM NO 63 Providing and applying melamine polish of required finish to the wood work by spray machine including knotting and preparing the even surface by scraping, applying French polish , scaffolding if required etc. complete. Note:The work to be executed on prior approval of Superintending Engineer will be necessary SSR 34 09/224	58.9425	SMT	875	51574.687 5	**870.45**	**51306.5**	920	54227.1
ITEM NO 64 Providing and fixing solid core flush door shutter in single leaf 32 mm thick decorative type of exterior grade as per detailed drawings approved face veneers 3 mm thick on both faces or as directed, all necessary beads, mouldings and lipping, wrought iron hold fasts, chromium plated fixtures and fastenings, with brass mortise lock, chromium plated handles on both sides, and finishing with French Polish etc. complete. SSR 39.09 / 246	151.65	SMT	3250	492862.5	**3,232.95**	**490276.9**	3400	515610
ITEM NO 65 Providing and fixing solid core flush door shutter in double leaf 32 mm thick decorative type of exterior grade as per detailed drawings approved face veneers 3 mm thick on both faces or as directed, all necessary beads, mouldings and lipping, wrought iron hold fasts, chromium plated fixtures and fastenings, with brass mortise lock, chromium plated handles on both sides, and finishing with French Polish etc. complete. SSR 39.95/263	20.88	SMT	3994	83394.72	**3,973.20**	**82960.4**	4180	87278.4
ITEM NO 66Providing and fixing ISI marked double swing flush door shutters conforming to IS :2202 (Part I) Non-decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 30 mm thick including ISI marked Stainless Steel L- hinges with necessary screws Fittings & Fixtures per leaf SS kick plates on both sides of the door of 300mm height. Heavy Duty satin finish butt SS Hinges	12.6	SMT	13195	166257	**13,125.00**	**165375.0**	13790	173754

(100mm x 75mm x 3mm in size) -4 nos. SS finished lever handle with mortise lock- 1 One NumberFloor spring- 1 One Number 100mm x 100mm safety glass at the specified location SSR 51 64/369								
ITEM NO 67 P/F TW frame fully glazed door with shutters with full swing (180degrees) fixed with double spring hinge with fixed glazed portions on top and side of the openable portion. MCGM R3-CS-WW-29	18	SMT	4984	89712	**4,958.00**	**89244.0**	5210	93780
ITEM NO 68 Providing and Fixing Fully Glazed double shutter automatic Door Opening having following features Slim line modern Design Australian Made Designed for new standards Compact modular motor DesignHigh security electric locking No exposed wiring Energy Efficient Electronics Lock 600 VA UPS MCGM R3-CS-WW-28	14.4	SMT	22531	324446.4	**22,412.00**	**322732.8**	23540	338976
ITEM NO 69 Providing and fixing Hands Free Aluminum Foot Door Opener as per drawings and specification provided by the engineer in charge including all fitting complete with Coating complete as per specification and drawing provided by the Engineer Incharge Approved MR	10	NOS	402	4020	**400.00**	**4000.0**	420	4200
ITEM NO 70 Supply and Installation of GI DOOR FOR DUCT (0.6 X 1.8MT) AND GLASS (0.3 X 1.00MT) with all the necessary hardware complete as per specification and drawing provided by the Engineer Incharge Approved MR	25	NOS	7464	186600	**7,425.00**	**185625.0**	7800	195000
ITEM NO.71 Fire Door 45mm 1HR FRL (60/60) 3 Criteria - INTEGRITY / INSULATION/ STABILITY WOODEN DOOR - Fire Door Tested in accordance to IS: 3614 Part 2. SSR 50 81/347				0				0
Providing 60 min Fire rated doors system duly tested for 3 criteria - Integrity, Insulation and Stability Criteria as per the IS: 3614 Part 2 and BS: 476 part 22 at National Test House, Govt of India laborator and/or with Central Building Research Institute, Govt of India undertaking with standard heating conditions as specified in IS 3614 Part II 1992 and BS: 476 part 20 & 22 1987 to achieve the required integrity, insulation and stability (i.e. to restrict the heat radiation, temperature rise on the non fire side to the maximum of 140° C above the ambient temperature on the exposed surface of the shutter. The fire doors are tested with NCBN technology ("Non Combustible by Nature"). with prior approval				0				0

of concerned Superintending Engineer.								
a) Door Frame: Supplying frames for Fire resistant door shutters 1st class Malaysian Hardwood Frame densified (810 Kilogram/cum) and pressure treated with fire retardant chemicals in vacuum impregnation vessel under 160 psi pressure as per IS 401and kiln seasoned to moisture below 15% as per IS 1141 of section 120 X 60 mm spray quoted with 2 coats of intumescent paint of minimum 200 micron, with single row of Brush- Type ASTROFLAME intumescent strip of size 10mm x 4mm affixed in the slit of the Frame for fire and smoke sealing, etc. complete.	57	RMT	1656	94392	**1,647.45**	**93904.7**	1730	98610
ITEM NO. 72b)Shutter : Providing of 65mm thick asbestos free composite - 3 criteria - fire, heat and smoke check Accoustic Door Shutter with flame guard of 120 minutes IS3614 part -II comprising of 2x9mm Calcium Silicate boards, Chemical treated internal timber with Fire retardant chemicals in pressure impregnation vessels under 160 PSI pressure as per IS 401and kiln seasoned to moisture below 15% as per IS 1141 frame work of 100x32 mm with 32mm thick infill of ceramic fiber (density 128Kilograms/CMT), vermaculite mix faced with 6mm Fire retardant High Density ply, internally lipped with hardwood beading, and pasted in Hydraulic Press under 50 tonnes pressure, spray quoted with 2 coats of In tumescent paint of minimum 200 micron, and with 1 row of Brush- Type Astroflame® intumescent strip (imported) of size 10mmx4mm concealed for fire and smoke sealing in the grooves in the shutter on all edges except bottom, without any external lipping	31.5	SMT	9515	299722.5	**9,464.70**	**298138.1**	9940	313110
ITEM NO 73 c) Vision Panel: 1 HR rated E Class clear high stress fire rated glass is pre fabricated strategically inside theshutter structure with 10 mm inside the shutter on all sides with U- glazing. An additional insulated powdercoated 'Z' channel of 16 swg MS sheet to be fixed for reinforcement of the joints. With clear fire resistant glass panes 11mm thick having minimum 120 minutes fire Description	1.8	SMT	35335	63603	**35,148.75**	**63267.8**	36910	66438
ITEM NO 74 Providing of 2 Hour Rated Acoustic Fire Door to effectively control noise in conference rooms, broadcasting studios, theatres and music practice rooms. duly tested for 3 criteria - Integrity, Insulation and Stability Criteria				0				0

as per the IS: 3614 Part 2 and BS: 476 part 22 with standard heating conditions as specified in IS:3614 Part II 1992 and BS: 476 part 20 & 22 1987 to achieve the required integrity, insulation and stability (i.e. to restrict the heat radiation, temperature rise on the non fire side to the maximum of 140° C above the ambient temperature on the exposed surface of the shutter. The accoustic fire doors are tested with NCBN technology ("Non Combustible by Nature") duly tested for sound insulation as per ISO 10140-2 / ASTM E 90 for sound transmission loss evaluation of 42db in reverberation chamber at ARAI. Pg 400								
a) Door Frame: Supplying frames for Fire resistant door shutters 1st class Malaysian Hardwood Frame densified (810 Kilogram/cum) and pressure treated with fire retardant chemicals in vacuum impregnation vessel under 160 psi pressure as per IS:401and kiln seasoned to moisture below 15% as per IS 1141 of section 120 X 60 mm spray quoted with 2 coats of intumescent paint of minimum 200 micron, with single row of Brush- Type ASTROFLAME intumescent strip of size 10mm x 4mm affixed in the slit of the Frame for fire and smoke sealing, etc complete.	63	RMT	2044	128772	**2,032.80**	**128066.4**	2140	134820
ITEM NO. 75b)Shutter: Supplying & Fixing of 75mm thick asbestos free, fire, heat and smoke resistant composite Acoustic Door Shutter complying with with fire performance - FD 120 as per IS.3614 (part - II) comprising of 2x12mm Calcium Silicate boards over Chemically treated (with Fire retardant chemicals in vaccum pressure impregnation vessels under 160 psi pressure as per IS 401 and kiln seasoned to moisture below 15% as per IS.1141) internal timber (Malaysian Hard Wood, densified to 810 Kilogram/cum) frame work of 100x36 mm with 36mm thick infill of ceramic fiber (density 128 Kilogram/cum), vermaculite mix faced with 6mm Fire retardant High Density fibre ply, internally lipped with hardwood beading and pasted in Hydraulic Press under 25 MPa, spray quoted with 2 coats of intumescent paint of minimum 300 micron, and with single row of Brush-Type intumescent strip of size 10mmx4mm affixed on periphery for fire and smoke sealing in the slit on all edges of shutter except bottom and placement of 3 mm thick rubber membrane, at the inside face, sandwitched between	43.2	SMT	16228	701049.6	**16,142.70**	**697364.6**	16950	732240

calcium silicate board & high density fire retardant ply, without any external lipping with triple rebatting in shutters, etc complete. Providing of Fire Barrier Systems to prevent the spread of fire and smoke within roof and ceiling voids SSR 51.173/400								
ITEM NO 76 Providing and fixing fiber glass reinforced polyster door shutter 35 mm thick as per IS 14856 (2000) (Reaffirmed 2006) without ventilator including chromium plated fixtures and fastening with chromium plated handles on both sides, etc complete. SSR 39.59/258	10	SMT	3689	36890	**3,669.75**	**36697.5**	3860	38600
ITEM NO 77 Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm minimum size and shape with square bar, suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade cast iron or mild steel and one coat of red lead primer etc. complete. (I.S. 62481979) (With mechanical gear) SSR 39.25 / 249	4.32	SMT	5603	24204.96	**5,573.40**	**24077.1**	5860	25315.2
ITEM NO 78 Providing and laying telephone black / Amba White / Cadbury brown / Ruby red / Ocean Brown granite stone of 18 to 20 mm thick for door frame/ dado/ window boxing etc. On C.M. 1:6 including filling joints with polymer base filler nosing/moulding the sharp edges wherever necessary, curing, etc. complete. SSR 33.68/220	183.045	SMT	4648	850793.16	**4,623.29**	**846270.1**	4860	889598.7
ITEM NO 79 Providing and fixing in position (as per 1868 / 1982) Alluminium sliding window of three tracks with rectangular pipe 95 x 38.10 x 0.90 mm at weight 0.637 kg/Rmt. with window frame bottom track section 92 x 31.75 x 1.30 mm at weight 1.070 kg/Rmt.. Top and side track section 92 x 31.75 x 1.30 mm at weight 0.933 kg/Rmt. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 kg/Rmt. and	27	SMT	5808	156816	**5,777.10**	**155981.7**	6070	163890

handle and top section 40 x 18 x 1.25 mm at weight o.417 kg/Rmt. As per detailed drawings and as directed by Engineerincharge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5 mm thick plain glass and aluminium mosquito net shutter with stainless steel jail with all required screws and nuts etc, complete. With colour Anodising with box SSR 39.41 / 253								
ITEM NO 80Providing and fixing in position b) Powder Coated aluminium fixed window fully glazed of any sizeas per detailed drawing and as directed by Engineerincharge with all necessary alluminium sections including necessary fixtures and fastening such as 5 mm thick clear float glass etc complete SSR 39.53B/257	27	SMT	6034	162918	**6,001.80**	**162048.6**	6310	170370
ITEM NO 81 Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with powder coating as per detailed drawing and specifications including aluminium frames 80 x 38 mm x 1.22 mm box type, 5 mm thick sheet glass louvers, of approved quality etc complete SSR 39.68 / 259	10.8	SMT	3660	39528	**3,640.35**	**39315.8**	3830	41364
ITEM NO 82 Providing and fixing of factory made uPVC casement window / Fixed Window & Casement Door (White Colour) comprising uPVC multi-chambered frame, Sash, & Mullion with wall thickness of 2.3mm (+-0.2 mm), duly reinforced with G.I. section 1.5 mm, wherever required. uPVC window & door profile shall be made in India & shall conform to BS EN 12608 and other standards as mentioned below				0				0
S.No. Name of the test Test Method Specified Parameter 1. Tensile Impact Strength ISO 8256 - more than 700Kj/m2 2. Vicat Softening Temperature EN ISO – 306 Shall not be < 750C 3. Charpy Impact Strength EN ISO – 179-2 Shall not be < 20KJ/m2 4. Flexural Modulus Elasticity EN ISO – 178 Shall not be < 2200 N/mm2 5. Mean Breaking Stress for welded corner (a) For the tensile bending test EN – 514 Shall not be < 25 N/mm2 (b) For the compression bending test Shall not be < 30N/mm2 6. Heat Reversion Test IS 4985-2000 Shall not be > 2.0 % 7. Surface Spread of flame BS				0				0

: 476 - Part 7 Classification 1 8. Ignitability Evaluation BS : 476 - Part 5 'P' Not easily ignitable 9. Tensile modulus ASTM D 638 Shall not be < 35 MPa 10. Shear Modulus ASTM D 732 Shall not be < 220 MPa 11. Tensile Strength EN ISO 527 Shall not be < 30 MPa.								
All corners of frame and sash will be fusion welded. Mullion shall be welded / screwed. EPDM / TPE Gasket shall be provided in all frame, sash & mullion, wherever necessary.Thereafter, 5 mm Float Annealed glass shall be provided in the sash with the help of uPVC glazing bead and hardware, i.e., friction hinge & single point handle (in window) & 3D Hinges & Multipoint Lock (in door) shall be provided. Window / Door shall be fixed to the wall with 100mm long and 8mm dia. Fasteners and complete in all respect as per direction of Engineer-In-Charge. uPVC Window and Door Profiles are warranted for a period of ten (10) years against non-uniform discoloration, wrapping and rotting under general use. SSR 54 09/517				0				0
Casement Window (Big Series) frame of size 67 x 62 mm & Sash / Mullion of size 67 x 78 mm.	36.846	SMT	11078	408179.98 8	**11,019.75**	**406033.7**	11580	426676.68
Casement Door (Big Series) frame of size 67 x 62 mm & Door Sash of size 67 x 115 mm & Mullion (if required) of size 67 x 78 mm.	27	SMT	10113	273051	**10,060.05**	**271621.4**	10570	285390
Fixed Window (Big Series) frame of size 67 x 62 mm & Mullion (if required) of size 67 x 78 mm.	121.546 3	SMT	8806	1070336.7 18	**8,759.10**	**1064636.2**	9200	1118225.96
ITEM NO 83 Providing and fixing of factory made uPVC Louver window (White Colour) comprising of uPVC multi-chambered with wall thickness of 2.3mm (+-0.2 mm), duly reinforced with 1.5 mm thick G. I. Section. uPVC window & door profile shall be made in India & shall conform to BS EN 12608 and other standards as mentioned below:								
S.No. Name of the test Test Method Specific Parameter 1. Tensile Impact Strength ISO 8256 - more than 700Kj/m2 2. Vicat Softening Temperature EN ISO – 306 Shall not be < 750C 3. Charpy Impact Strength EN ISO – 179-2 Shall not be < 20KJ/m2 4. Flexural Modulus Elasticity EN ISO – 178 Shall not be < 2200 N/mm2 5. Mean Breaking Stress for welded corner(a) For the tensile bending test EN – 514 Shall not be < 25 N/mm2 (b) For the compression bending test Shall not be < 30N/mm26. Heat Reversion Test IS:4985-2000 Shall not be > 2.0 %7. Surface Spread of								

flame BS : 476 - Part 7 Classification 18. Ignitability Evaluation BS : 476 - Part 5 'P' Not easily ignitable9. Tensile modulus ASTM D 638 Shall not be < 35 MPa10. Shear Modulus ASTM D 732 Shall not be < 220 MPa11. Tensile Strength EN ISO 527 Shall not be < 30 MPa								
All corners of frame shall be fusion welded. Both vertical sides of the frame, adjustable louver mechanism having one lever or fixed louver bracket shall be fitted with the of 4 mm Frosted Annealed glass. Window will be fixed to the wall with 100mm long and 8mm dia. Fasteners and complete in all respect as per direction of Engineer-In-Charge. uPVC Window and Door Profiles are warranted for a period of ten (10) years against nonuniform discoloration,wrapping and rotting under general use								
a.Louver Window (Big Series) frame of size 67 x 62 mm & Mullion (if required) of size 67 x 78 mm SSR 54.11/519	16.2	SMT	9745	157869	**9,693.60**	**157036.3**	10180	164916
ITEM NO.84 Providing and fixing of factory made uPVC Sliding window & door (White Colour) complete, comprising uPVC multi-chambered frame having in-built uPVC roller track on top and uPVC sash with wall thickness of 2.3mm (+-0.2 mm), duly reinforced with G.I. section 1.5 mm, wherever required. uPVC window & door profile shall be made in India & shall conform to BS EN 12608 and other standards as mentioned below								
Name of the test Test Method Specified Parameter 1 Tensile Impact Strength ISO 8256 - more than 700Kj/m2 2 Vicat Softening Temperature EN ISO – 306 Shall not be < 750C 3 Charpy Impact Strength EN ISO – 179-2 Shall not be < 20KJ/m2 4 Flexural Modulus Elasticity EN ISO – 178 Shall not be < 2200 N/mm2 5 Mean Breaking Stress for welded corner (a) For the tensile bending test EN – 514 Shall not be < 25 N/mm2 (b) For the compression bending test Shall not be < 30N/mm2 6 Heat Reversion Test IS 4985-2000 Shall not be > 2.0 % 7 Surface Spread of flame BS : 476 - Part 7 Classification 1 8 Ignitability Evaluation BS : 476 - Part 5 'P' Not easily ignitable 9 Tensile modulus ASTM D 638 Shall not be < 35 MPa 10 Shear Modulus ASTM D 732 Shall not be < 220 MPa								

11 Tensile Strength EN ISO 527 Shall not be < 30 MPa								
All corners of frame and sash will be fusion welded. After placing 5 mm Float Annealed glass in the sash, uPVC glazing bead, interlock, EPDM / TPE gasket, brush shall be provided including touch lock and rollers & proper drainage system shall be provided. Window / Door will be fixed to the wall with 100mm long and 8mm dia. Fasteners and complete in all respect as per direction of Engineer-In-Charge. uPVC Window and Door Profiles are warranted for a period of ten (10) years against non-uniform discoloration, wrapping and rotting under general use. SSR 54 08 / 516								
2 Track 2 / 4 Sash (Big Series) window frame of size 67 x 54 mm & Sash of size 64 x 47 mm	22.5	SMT	7727	173857.5	**7,686.00**	**172935.0**	8080	181800
3 Track 3 / 6 Sash (Big Series) window frame of size 122 x 54 mm & Sash of size 64 x 47 mm	22.5	SMT	9000	202500	**8,952.30**	**201426.8**	9400	211500
ITEM NO 85Supply and installation of cubicles of width and depth as per Athena Lite- SS Series Cubicles- Std Sizes (W x D x H). 900 mm x 1550 mm x 2105 mm, (Height is including 100 mm gap from bottom, Door Width- 600 mm specifications/ site drawings). Cubicle height to be 2105 mm. Made from solid grade compact high pressure laminate as per IS 2046 and EN-438 manufactured under high specific pressure > 5 MPa and temperature >120°C, All doors will be of single colour and made of 12 mm thick Merino HPL compact panel. The doors will have chamfered edges. Each door will be supported by 3 stainless steel made hinges affixed to the pilasters. Size of panels to be as per drawing. HARDWARE & ACCESSORIES are H shaped (Top) head frame structure made of extruded Aluminium grade 6063 T5-50 micron epoxy powder coated for surface protection, Size to be 125x70x5T. Corner joinery section, Size to be 40x16.5x1.8T. U-Channel Wall joinery section,Size to be 22x16x1.6T. Door stopper section, Size to be 21x12.5x1.6T. Spring loaded Butt Hinges made from Stainless steel grade 304. Surface finish to be matt type. Covers to be lacor coated.etc complete SSR 51 162/395	202.02	SMT	11818	2387472.36	**11,755.80**	**2374906.7**	12350	2494947
ITEM NO 86 Providing and fixing mild steel grill work for windows, ventilators etc. 20 Kilogram/Square Metre as per drawing including fixtures, necessary welding and painting with one coats of anticorrosive	443.6923	SMT	2214	982334.7522	**2,201.85**	**976943.9**	2320	1029366.136

paint and two coats of oil painting complete. SSR 40.01 / 264								
ITEM NO.87 Aluminium Fins:- Providing and Fixing Horizontal fins with 3"x1" Aluminium Tubular Section Powder coated Horizontally with 1" facing and 3" Gap in to in ie sections with 1"1" Aluminium Angle powder coated fixed at top and bottom for fixing, with Hardware , with labour inclusive. Approved MR	999.6	SMT	4584	4582166.4	**4,560.00**	**4558176.0**	4790	4788084
ITEM NO.88 Aluminium Fins:- Providing and Fixing Horizontal fins with 100 mm x 40 mmx 3 mm thick,(Triangle Concave Shape) Aluminuen Angle sections powder coated of specification, distance between section will be 3 -4 inches & details as per drawing, Length and with all the accessories,hardwares, with labour all inclusive. Approved MR	120	SMT	4926	591120	**4,900.00**	**588000.0**	5150	618000
ITEM NO.89 ACP Cladding: - Providing,applying,fabricating and fixing panel of aluminium composite panel cladding in approved shape made out of 4 mm thick ACP sheet material consisting of 3mm thick FR grade mineral core following NBC part IV Fire and life safety (having 2 hours fire resistance in accordance to ASTM E119-12 and BS476 part 6 and 7 class O) sandwitched between two aluminium sheets (each 0.5 mm thick of AA 5005/AA3105 grade) The aluminium composite panel cladding sheet shall be coil coated with kynar 500 based PVDF/Lumiflon based fluropolymer resin (having 70:30 ratio of PVDF and acrylic) coating of approved colour and shade on top face and polymer (service) coating of bottom face as specified using stainless steel screws,nuts,bolts,washers,cleats,weather silicon sealent,backer rods etc .overall weight of the ACP shall not be less than 7.5 Kilogram/Square Metre) SSR 51.100/378	173.6	SMT	4085	709156	**4,063.50**	**705423.6**	4270	741272
ITEM NO.90 Providing and laying in position terracotta jali of 80 mm thick decorative type as per specification provided by the engineer in charge and drawings etc complete RA	28	SMT	3096	86688	**3,080.00**	**86240.0**	3240	90720
ITEM NO. 91Structural Glazing : - Providing & fixing of fabrication and installation of Structural Glazing system in the form of fixed panels, using designed aluminium extruded sections mullions and transoms with cover system section complete having anodize	1158.4	SMT	12265	14207776	**12,200.00**	**14132480.0**	12810	14839104

/Powder-coating of approved colour and shade and make and fixed on the brick masonry/RCC/structural frames through adequately designed brackets glass shall be fixed to frame with structural silicone sealant/backer rod and weather silicone sealant non streaking /non staining of Dow corning/GE or approved equivalent to make structural glazing air and water tight as per standards. with EPDM gaskets in each section with Saint Gobain make 6 mm reflective toughened glass having SHGC of 0.2 - 0.3, UValue of 3 - 4 W/ sq.mK VLT of 20-40% fixed with glazed panel of Sash frame with T Patti toggle, colour of glass as approval by architect, all aluminium sections joints with aluminium clit angles of 16 gauge, Galvanized M.S. Brackets for frame fixing and all other necessary Hardware fittings Complete as per Drawing and Green Specification.Approved MR								
ITEM NO.92 Openable in Glazing:- Providing and Fixing Openable Panel in above itemwith additional 4 Bar Hinges, Handle cum Locking arrangements, With additional aluminium anodized frame for Opneable, and flashing for water dripping. (Including fitting to operate from ground floor). As per specification provided by engineer incharge Approved MR	30	NOS	2664	79920	**2,650.00**	**79500.0**	2790	83700
ITEM NO.93 Dry wall cladding with clay tile; Designing, supplying and fixing of Clay tile of Wienerberger (Red Series or Grey Series) or Equivalent with suitable size and thickness not less than 20 mm as per manufacturer with approved colour and pattern with composition of finest powdered clay and colour mixtures. The clay tile shall be fixed on the suitable framing system by using continuous aluminium profiled section as per manufacturer with suitable size and spacing to withstand the structural design criteria specified in the technical specification by using necessary HDG brackets, SS316 grade anchor bolts etc as per manufacturer specification. Cladding joints should be with open groove system. with prior approval of concerned Superintending Engineer SSR 50.25/335	664.97	SMT	11178	7433034.66	**11,119.50**	**7394133.9**	11680	7766849.6
ITEM NO.94 Providing & laying ferrocment structure of thickness upto 30 mm by fabricating the mesh reinforcement to the shape and size of the structure, then	62	SMT	2765	171430	**2,750.00**	**170500.0**	2890	179180

mortared and then cured inclusive of welding skeletal steel framework, tying mesh reinforcement tightly over it to form cage and impregnating the cage with rich cement mortar, finishing and curing.The stif cement mortar is filled in the mesh layers by pressfill method. The consistency of cement mortar is very thick with very low water cement ratio. The rate is inclusive of all materials, labours required for the structure (Including shuttering and centering)								
ITEM NO.95 Providing & laying ferrocment structure of thickness upto 50 mm by fabricating the mesh reinforcement to the shape and size of the structure, then mortared and then cured inclusive of welding skeletal steel framework, tying mesh reinforcement tightly over it to form cage and impregnating the cage with rich cement mortar, finishing and curing.The stif cement mortar is filled in the mesh layers by pressfill method. The consistency of cement mortar is very thick with very low water cement ratio. The rate is inclusive of all materials, labours required for the structure (Including shuttering and centering) Approved MR	400.2	SMT	4273	1710054.6	**4,250.00**	**1700850.0**	4470	1788894
ITEM NO.96Casting & fixing Decorative Precast Circular Column,Rectangle Band,Cornice,Window Decorative Sill,Elevational Element Having Precast Shell of thickness 60mm-80m , M25 concrete with approved chemical to have crack free member,including reinforement ,Scaffolding,lifting ,transportation complete Specification provided by the engineer in charge.Approved MR	231	SMT	6132	1416492	**6,100.00**	**1409100.0**	6410	1480710
ITEM NO.97 Providing and fixing corrugated galvanised iron sheets of 0.63mm thick (24 B.W.G.) for roofing without wind tiles including fastening with galvanised iron screws and bolts, lead and bitumen washers as per drawing etc. complete (Weight of 5.5 kg/sq m.) SSR 38.04/233	25	SMT	918	22950	**913.50**	**22837.5**	960	24000
ITEM NO.98 Providing and fixing 40mm diameter and 1.5 mm thick Stainless steel hand railing in S.S.304 Grade including fabricating ,fixtures, errecting, necessary welding, grinding, finishing, buffing to stainless steel pipe etc. complete SSR 40.06/264	150.6	RMT	1288	193972.8	**1,281.00**	**192918.6**	1350	203310
ITEM NO.99 Providing and fixing 900mm high S.S.304 Grade Stainless	180	RMT	4965	893700	**4,939.20**	**889056.0**	5190	934200

steel railing with 40mm diameter and 1.5mm thick at top,40mm diameter and 1.5mm thick vertical supports spaced at 1.5m center to center and 8mm thick toughened glass including fabricating ,fixtures, erecting , necessary welding , grinding , finishing, buffing to stainless steel pipe etc. complete SSR 40 07/264								
ITEM NO 100 Providing and Fixing mat finish stainless steel (of 302 grade) railing with top pipe of 50 mm dia. and vertical pipe of 38 mm dia at 0.60 m c/c or as required and horizontal pipes of 25 mm dia in three rows, all pipes of 2 mm thick including buffing,fabricating fixtures and fastening including pipe base of appropriate diameter and ball base of 75 mm dia above newel post of 75 mm diameter etc. complete (Prior approval of sample and brand by Ex Engineer is necessary before use) SS4 40 08 /265	74	RMT	3742	276908	**3,722.25**	**275446.5**	3910	289340
ITEM NO. 101 Providing and fixing in position Gypsum board false ceiling with 12.5 mm thick Gypsum boards, screwed/fixed to the under structure of suspended G.I. Grid constructed and suspended from the main ceiling consisting of ceiling sections of size 25 x 50 mm maximum center to center distance of 600 milimetre perimeter channel and intermediate channels at maximum center to center distance 1200 milimetre galvanized grid should be fixed to reinforced cement concrete slab. The gypsum board should be fixed to galvanized iron grid with necessary screws. The boards should be taped and filled from underside to give smooth, seamless ceiling. The rate should include necessary additional ceiling sections and intermediate channels. Additional intermediate channels should be fixed to strap hangers for additional support to prevent strapping at every 1200 milimetre item to be completed in all respect including necessary sleeves for ducts finishing of joints cut outs, painting including labour, material, lifts etc. all complete. SSR 38 51/243	1746.26417	SMT	1867	3260275.205	**1,857.45**	**3243598.4**	1960	3422677.773
ITEM NO.102 Providing and fixing Modular false ceiling of 600 x 600 mm center to center and 13 mm thick square mineral fiber board to be fixed on frame work of alluminium sections for suspended false ceiling consisting of alluminium T 2"x1 ½" (50 mm x 40 mm) weighing 0.39 Kilogram/m at 60 cms center center and fixed with ½" x ½" (15 x 15 mm)	934.17638	SMT	2711	2532552.166	**2,696.40**	**2518913.2**	2840	2653060.919

flanges weighing 0.19 Kilogram/m suspended on 6 mm dia mild steel rod weighing 0.22 Kilogram/m, fixed on wall and beams including rounding of the edges with alluminium T of 2" x 1 ½" (50 mm x 40 mm) weighing 0.39 Kilogram/m etc. (all alluminium sections shall be anodized) including all labour, material, lifts etc. complete. SSR 38.52/243								
ITEM NO.103Providing and Fixing Soft Fibre Acoustical Suspended Ceiling System with Optra (Bevelled Tegular) Edge Tiles of size 15mm Exposed Grid. The tiles should have Humidity Resistance (RH) of 95%, NRC 0.9 - 1.0, Light Reflectance ?85%, Colour White, Fire Performance UK Class 0 / Class 1 (BS 476 pt - 6 &7) in module size of 600 x 600 x 15mm , suitable for Green Building application, with Recycled content of 66% GW and 74% RW. The tile shall be laid on precoated G I channel 32 with 15 mm wide T - section flanges colour white having rotary stitching on all T sections i.e. the Main Runner, 1200 mm and 600 mm Cross Tees with a web height of 32 mm and a load carrying capacity of 7 Kilograms/M2 with a minimum pull out strength of 100 Kilograms. The T Sections have a Galvanizing of 90 grams per M2 and need to be installed with Suspension system The Tile and Grid system used together should carry a 10 year warranty. products approved as per GRIHA and BS 476 etc. completeSSR 38.47/242	1330.74457	SMT	3039	4044132.748	**3,022.95**	**4022774.3**	3180	4231767.733
ITEM NO. 104 Providing and fixing Designer Fabric ceiling with finish with strings Complete as per Drawings and Spec. As directed by Engineer-In-Charge Approved MR	392.24819	SMT	15482	6072786.478	**15,400.00**	**6040622.1**	16170	6342653.232
ITEM NO. 105 BAFFLE WOOD CEILING Suspended wood baffles with the help of cables upto 6mm/required MS/GI/Aluminium section from the roof having acoustic properties and Elongated various shape baffles made with High Density Board, Solid Wood Durable Coating, Corrosion Resistant, Tamper Proof with approved Finish material Completed as per specification and drawings as per Engineer in charge Approved MR	1013.372285	SMT	15733	15943386.16	**15,650.00**	**15859276.3**	16440	16659840.37
ITEM NO 106 Providing and fixing Aluminium open cell(150mmx150mm) ceiling 0.45/0.50 mm Galvanized steel and 0.5/0.65mm Aluminium	150	SMT	2865	429750	**2,850.00**	**427500.0**	3000	450000

TCT ,Various Gap 50mm to 100mm made of 0.5mm/0.6mm thick black coil coated galvanised steel /powder coated .20mm Wide,40mm deep, 55 microns thick powder coating on exposed surface , 25 microns polyster coil coated over primer on visible surface with primer coat on rear side. Suspension with 4mm dia Galvanized rod ,Height Adjustment Spring STeel big Clip,panel Coupler,GS wall angle. complete as per specification and drawing provided by the Engineer Incharge. Approved MR								
ITEM NO 107 Providing and fixing Internal signage ss brush finish 2 mm thick . Spec. As directed by Engineer-In-Charge. Approved MR	120	NOS	2413	289560	**2,400.00**	**288000.0**	2520	302400
ITEM NO 108 Providing & Fixing of signage using 304 Stainless steel letters for the front & side fascia and 5mm thick acrylic molded letters, for back fascia moulded letters with height 24 inches, with necessary power supplies for connection, including profile LED back lighting Approved MR	140	NOS.	2966	415240	**2,950.00**	**413000.0**	3100	434000
ITEM NO 109 Providing and Fixing laser cut 3-4 mm Acrylic letters of height upto 24 inches with, with all other necessary Hardware for fittings and Labour all Inclusive including profile LED back lighting complete Approved MR	50	LETTERS	2865	143250	**2,850.00**	**142500.0**	3000	150000
ITEM NO 110 Providing and fixing MBMC Logo on entrance gate Approved MR	8	NOS.	28148	225184	**28,000.00**	**224000.0**	29400	235200
ITEM NO 111 C.I.Man hole cover 100 kg. SSR 51/532	20	NOS.	8165	163300	**8,121.75**	**162435.0**	8530	170600
ITEM NO 112Providing and constructing Brick Masonry Inspection Chamber 60cm x 45cm x 90cm including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W. pipes, Brick Masonry, plastering from inside and airtight C. I. cover of 75 kg with lid and frame fixed in cement concrete SSR 42.10/274	10	NOS.	16577	165770	**16,489.94**	**164899.4**	17320	173200
ITEM NO 113 Providing & fixing in the footpath Combi-Paver having average crushing strength not less than 80 N/mm² as per technical specifications and IS Code 15658:2006, shot blasted 60mm thick in approved texture and colour and combination size 100 x 200, 125 x 200, 175 x 200, 225 x 200, 275 x 200 to be fixed on average compacted thickness 25 mm well graded sand cushioning uniformly	3194.786	SMT	1860	5942301.96	**1,850.00**	**5910354.1**	1950	6229832.7

compacted with proper capacity mechanical compactor with required level, grade and camber etc. complete as specified and as directed by the Engineer. NOTE: THIS ITEM SHOULD BE OPRATED ONLY AFTER SPECIFIC SANCTION OF DIR(E.S.& P.) or Equivalent. Approved MR								
ITEM NO.114 Stamp Concrete of 100mm Thickness - Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm thickness pavement over a prepared sub base with 43 grade cement, coarse and fine aggregate (natural sand / VSI grade finely washed crushed sand) Confirming to IS 383, as per mixed in a batching and mixing plant / non tilting mixer and weigh batcher as per approved mix design, admixtures, transporting to site in nagpur city with lead upto 20KM (on Inner Ring Road from Avasti nagar to wadi), spreading, laying with approved make power, compacted and finished in a continous operation, finishing to lines and grades Also Providing, Placing and applying stamp powder which is light fast UV resistant pigment with appropriate chemical compounds of desired colour on base concrete after excess bleed water has evaporated using dry shake method @5kg per sqm.	2115	SMT	1883	3982545	**1,873.29**	**3962008.4**	1970	4166550
Including texturing, and covering with plastic sheet (min 200 micron thickness) and also applying two coats of UV-stable_30 % solidsclear sealer @ 150 to 250 gms per sqm using surface roller and protecting from fallingdust,dirt and curring by curring compound / by providing cement vata in cement Mortor 1:8 @ 0.6m x 0.6m center to center, admeasuring 80mm at bottom and 40mm at top withdepth of 75mm and maintaining the same throughout curing period by any other method approved by Engineer-incharge or Landscape architect etc. complete. (prior approval of superinteding Engineer will be necessary) SSR 54.01 / 513								
ITEM NO.115 Providing and laying RED & BLACK GRANITE cobble stones of 100mm x 100mm x 100mm, 3 line dressing with 12 mm top layer in size of fine cut and well dressed in Grey colour in paving on a bed of min. 40 mm thick cushioning in C.M. 1:4 including neat cement float etc. filling of joints in	475	SMT	3566	1693850	**3,547.00**	**1684825.0**	3730	1771750

C.M. 1:2 with grey cement to match the colour of cobble stone in the required pattern, design and as directed by the Engineer incharge, including cleaning, curing etc. complete. MCGM R3-RW-3-37								
ITEM NO.116 GRASS JOINT PAVING: Providing and laying machine cut machine polished kota stone flooring for Grass joint paving, 25mm to 30mm thick required width in plain pattern on bed of 1:6 C. M. including cement float, curing, polishing and cleaning including removing unwanted stuff as directed. Excavation for Planting of Lawn Digging of Soft surface up to 30 Cm. as per drawing and specification provided by Engineer In-charge. Approved MR	333.5	SMT	1604	534934	**1,596.00**	**532266.0**	1680	560280
ITEM NO.117 Providing and fixing heavy duty inter locking concrete Coloured paving blocks of 80 mm thickness of having a strength of 300 kg/Sq cm. of approved quality and shape on a bed of crushed sand of 25 to 30 mm thick including skirting joints and cleaning etc. complete SSR 33.52/218	10.15	SMT	1255	12738.25	**1,248.68**	**12674.1**	1320	13398
ITEM NO. 118Providing and fixing Speed Breakers of Size 350 W x 500 L x 50 H mm yellow black color as shown in the drawing with necessary fittings & fixtures as directed by EIC.MCGM R3-CS-RM-132	90	RMT	2780	250200	**2,765.00**	**248850.0**	2910	261900
ITEM NO.119 Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous Surface- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250 gms per Square Metre area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes complete. SSR 6.12A/48	180	SMT	703	126540	**699.30**	**125874.0**	740	133200
ITEM NO.120 Providing and casting in situ or precast tapering R.C.C. M-20 Semi Barrier type Kerb with gutter (as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In-charge. Using Concrete Batching and Mixing Plant SSR 7.05/69	639	RMT	2381	1521459	**2,368.01**	**1513158.4**	2490	1591110

ITEM NO.121 Providing and fixing mild steel grill gate as per the detailed drawing including hinges, locking arrangements and painting in three coats of oil paint of approved colour and shade etc. complete (weight 18 Kilogram. to 20 Kilogram. Per Sq m.) Spec One Number. As directed by Engineer- in-charge SSR 23.09/ 174	30.69	SMT	2217	68039.73	**2,205.00**	**67671.5**	2320	71200.8
ITEM NO.122 Providing and Fixing Decorative / Ornamental grills as per design for compound wall Fencing including fabricating the grill using M.S. square / round bar, flats and angles including painting with one coat of red oxide zinc chromate primer and two coats of synthetic enamel paint of approved colour and brand etc. complete as directed. MCGM R3-CS-SL-13	19125	KG	243	4647375	**242.00**	**4628250.0**	260	4972500
ITEM NO.123 Providing and erecting chain link fencing 1.6 M. height with G.I. chain link of size 50 x 50 mm, 8 gauge thick and fixed 75 mm above ground level on vertical M.S. Angles of 40 x 40 x 6 mm size, includind excavating pits for foundation and embedded in C.C. block of 1:4:8 mix of size 450 x 450 x 670 mm. at 1.75 M. c/c with iron bar 16mm dia as hold fast including welding link with angle frame at 30 cm c/c with nuts and bolts and horizontal M.S. Angles at top and bottom of 25 x 25 x 5 mm size and vertical M.S. flat 35 x 5 mm and 25 x 5 mm horizontal including cross support of 40 x 40 x 6 mm angles both side at every corner or bend embedded in concrete blocks of 1:4:8 of size 450 x 450 x 670 mm including 3 coats of oil painting etc. complete SSR 46.39/298	186	SMT	2680	498480	**2,665.95**	**495866.7**	2800	520800
ITEM NO.124 Providing and installing Nylon net for protection from Birds entry in Entrance Lobby MCGM R3-CS-RM-133	100	SMT	225	22500	**224.00**	**22400.0**	240	24000
ITEM NO.125 Double Side Pvc Coated waterproof And Sunshed Tensile Fabric Tensile Roofing including strings and fabrication Specification as per engineer in charge and drawing. Complete with fitings. Approved MR.	155.499	SMT	6534	1016030.466	**6,500.00**	**1010743.5**	6830	1062058.17
ITEM NO. 126Circular tree guard : Providing, fabrication and fixing M.S. Circular tree guard with circular pipe of 10 gauge, 50mm Dia Circular vertical post, 40mm Dia Horizontal support 18mm Dia. intermediate support with M.S. cap- (type-I) logo panel etc. including cutting welding, riveting, oil painting with navy blue colour or any other approved colour shade as	35	NOS	19177	671195	**19,076.00**	**667660.0**	20030	701050

directed and fixing in cement concrete foundation including cement concrete paver block lining including removal of surplus material/debris and restoring damaged portion of footpath etc. as directed.(Design details vide Drg.No.4F-A1.1, 4FA1.2,A1.3 in the catalogue of street Furniture (Vol I) published by B.M.C.)MCGM R3-RT-16-28								
ITEM NO.127 Square tree guard : Providing, fabrication and fixing M.S. Square tree guard with circular pipe of 10 gauge, 50mm Dia Circular vertical post, 40mm Dia circular horizontal support, 18mm Dia circular intermediate support with M.S. cap-(type-I) logo panel etc including cutting welding, riveting, oil painting with navy blue colour any other approved colour shade as directed and fixing in cement concrete foundation including cement concrete paver block lining including removal of surplus material/debris and restoring damaged portion of footpath etc. as directed. (Design details vide Drg.No.4F-C1 in the catalogue of street Furniture (Vol I) published by B.M.C) work complete as per specifications and as directed by the Engineer. MCGM R3-RT-16-30	44	NOS	19425	854700	**19,323.00**	**850212.0**	20290	892760
ITEM NO.128 Providing and laying Natural unpolished mixed colour Pebbles of size 5mm to 20mm laying in 3 layers (finish layer of 75mm nominal thickness), graded pebbles etc complete as per drawing as specified as directed by Engineer. (Refer sketch 24) MCGM GW-3-1-e	186	CMT	1407	261702	**1,400.00**	**260400.0**	1470	273420
ITEM NO.129 Providing and fixing thematic murals created in mix media in different shape and size as per required artwork made out of 8mm, 12mm and 19mm thick marine plywood and BTC wood and fibre coating in imported silicon rubber painted MCGM CE4-09-002- FA141C	10	NOS	368061	3680610	**3,66,121.00**	**3661210.0**	384500	3845000
ITEM NO.130 Artist painting of wall in 3 D format and text format MCGM FAIR-3D-AWP-A	960	SQ.FT	127	121920	**126.00**	**120960.0**	140	134400
Item No.131 P/F Mural Made In Fibre Rainforced Plastic As Per Given Art Work Of Required Sizes Mcgm Ce4-07-076-Ff-47a	80	SMT	10998	879840	**10,940.00**	**875200.0**	11490	919200
Item No.132 Mural In Paint (3d) Mcgm Ce5-10-024- Fair1	177.5	SMT	8058	1430295	**8,016.00**	**1422840.0**	8420	1494550
Plumbing								
Sanitary Fixtures								
ITEM NO.133 Providing and fixing European type white glazed earthenware water closet pan with UPVC seat and lid with chromium	26	Nos.	12240	318240	**12175.8**	**316570.8**	12790	332540

plated brass hinges and rubber buffers including UPVC and vent pipe up to the outside face of wall 10 litre enameled low level flushing cistern with fittings pipe stop tap brackets for fixing cistern 32 mm dia. UPVC flush pipe with fittings and clamps ,20 mm dia UPVC overflow pipe ,mosquito proof coupllings G.I. chain and pulley,with water Jet and fitting including cutting and making good to the walls and floors testing etc. complete (perior approval of sample and brand by Ex. Engineer is necessary before use) SSR 43.19								
ITEM NO.134Providing and fixing 1st class white glazed earthenware Orissa Type W.C. Pan 580 mm dia including P or S trap cast iron soil and vent pipe upto the outside face of the wall (1:5:10) cement concrete bedding 15 mm thick, 10 liter P.V.C. flushing cistern with allnecessary pipe connection etc. complete.SSR 42.33	4	Nos.	7799	31196	**7757.4**	**31029.6**	8150	32600
ITEM NO.135 Providing and fixing C.P.Two way BIB cock jaquar continental including necessary sockets/union nut etc. complete SSR 42.80	26	Nos.	1540	40040	**1531.95**	**39830.7**	1610	41860
ITEM NO.136 Providing and fixing 15 mm diameter PVC Aqua kraft type super jet spray with flange 2 in 1 faucet 1.50 metre long including all accessories etc complete SSR 43.39	26	Nos.	813	21138	**808.5**	**21021.0**	850	22100
ITEM NO.137 Providing and fixing C.P. BIB cock with wall flange continental (CAT NO. CON-047) including necessary sockets/ union nut etc. complete. (SHOWER) SSR 42.83	41	Nos.	1170	47970	**1163.4**	**47699.4**	1230	50430
ITEM NO.138 Providing and fixing C.P. pillar cock long neck with aerator jaquar or equivalent make continental (CAT NO. CON - 021) including necessary sockets/union nut etc. complete. (KITCHEN SINK) SSR 42.82	2	Nos.	1715	3430	**1706.25**	**3412.5**	1800	3600
ITEM NO.139 Providing and fixing Oval Type Under Counter Wash Hand Basin of 420 x 590 x 195mm size with pillar cock, C.P.Angular stop cock, long thread of approved make continental including SS bottle trap of necessary pipe connection up to the outside face of the wall, having Telephonic Black / Colour Granite of 180 mm thick fixed on Black Kadappa Framework, etc. Complete as directed by Engineer in charge. SSR 48.35	62	Nos.	20994	1301628	**20883.45**	**1294773.9**	21930	1359660

ITEM NO.140 Providing and fixing White glazed with bottle trap earthenware Wash Hand Basin of 55x40 cm size including cold water piller taps, brackets, rubber plugs and brass chain, stop tap, chromium plate bottle trap and necessary pipe connections including UPAC waste pipe and trap upto the outside face of the wall, making good the damaged surface, testing etc. complete. SSR 41.69	8	Nos.	6833	54664	**6796.65**	**54373.2**	7140	57120
ITEM NO.141 Providing and fixing C.P. Angular stop cock with wall flange Jaquar make or equivalent continental (CAT.NO. CON-059) including necessary sockets/union nut etc. complete. SSR 42.79	178	Nos.	2836	504808	**2821.35**	**502200.3**	2970	528660
ITEM NO.142 Providing and fixing earthenware lipped flat back/corner type Urinal of Hindustan /Perryware / Neycer / Cera or equivalant make with PVC 5 liters flushing system of 5 liters with fittings, inlet pipe with stop tap, brackets for fixing the cistern, 32 mm diameter P.V.C. flush pipe with fitting including lead soil pipe, lead trap & soil pipe connection up to the outside face ofwall. SSR 41.61	5	Nos.	5054	25270	**5027.4**	**25137.0**	5280	26400
ITEM NO.143 Providing and fixing white glazed urinal with Pressmatic auto closing valve having flow rate up to 4.0 Ltr/Minute of Jaquar/Cera/Hindware /Perryware or equivalent make with P.V.C. waste pipe with fitting arrangement etc.complete as directed by Engineer in charge.(Make shall conform to manufacturer's Green product and shall got approved from the Engineer In Charge.) SSR 48.31	15	Nos.	10968	164520	**10910.55**	**163658.3**	11460	171900
ITEM NO.144 Providing and fixing 10 cm PVC nahani trap with grating etc. complete. SSR 42.67	90	Nos.	569	51210	**565.95**	**50935.5**	600	54000
ITEM NO.145 Providing and fixing C.P. wall mixer with provision for overhead shower with 115mm long bend pipe and wall flange jaquar or equivalent ?make continental (CAT.NO. CON-273 UPR) including necessary sockets/union nut etc. complete SSR 42.81	41	Nos.	5001	205041	**4974.9**	**203970.9**	5230	214430
ITEM NO.146 Providing and fixing H.D.P container one piece moulded water tank made out of low density polythyler and built corrugation including of delivery upto destination hoisting and fixing of accessories such as inlet,outlet over flow of all tanks capacity	5000	Litre	12	60000	**11.55**	**57750.0**	20	100000

above 1000 to 20,000 litres 2000 Litres SSR 42.54								
ITEM NO. 147 Grab bars-Providing SS grab bars set for accessible toilets comprising of 4 nos. Grab bars as specified below (1 nos. wing grab bar + 1 nos. L shaped grab bar + 2 nos. straight grab bars = 1 typical set) 27a) Swing grab bar (1 NOS) Providing a S.S. 304 SWING HANDICAP GRAB BAR - 700 mm and of DIA. 32MM and thickness 1.5mm of the roved brand and make. 27b) L Shaped grab bar (1 NOS) Providing S.S. 304 L SHAPED DISABLED GRAB BAR of IZE-600MM (H) X 600MM (D) and 32MM DIA. and thickness mm of the approved brand and make. 27c) Straight grab bar (2 NOS) Providing S.STEEL 304 GRAB RAIL (600 MM),32MM DIA. and thickness 1.5mm of the approved brand and make. SSR 51.89	3	Nos.	20584	61752	**20475**	**61425.0**	21500	64500
INTERNAL WATER SUPPLY SYSTEM								
ITEM NO 148 Providing and fixing on walls/ ceiling/ floor CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.								
a) 15mm dia. SSR 42.55	100	Rmt.	281	28100	**279.3**	**27930.0**	300	30000
c) 20mm dia. SSR 42.56	125	Rmt.	327	40875	**325.5**	**40687.5**	350	43750
d) 25mm dia. SSR 42.57	120	Rmt.	396	47520	**393.75**	**47250.0**	420	50400
f) 32mm dia SSR 42.58	120	Rmt.	455	54600	**452.55**	**54306.0**	480	57600
g) 40mm dia. SSR 42.59	85	Rmt.	569	48365	**565.95**	**48105.8**	600	51000
h) 50mm dia. SSR 42.60	1300	Rmt.	782	1016600	**778.05**	**1011465.0**	820	1066000
ITEM NO 149 Supplying and erecting GI pipe 50 mm dia. 'B 'class at position with accessories complete as per specification no. CW-PLB/GP. CSR 16-5-6	220	Rmt.	608	133760	**605**	**133100.0**	640	140800
ITEM NO.150 Supplying and erecting Gipipe 65 mm dia. 'B' class at position with accessories complete as per specification no. CW-PLB/GP. CSR 16-5-7	1200	Rmt.	767	920400	**763**	**915600.0**	810	972000
ITEM NO.151 Supplying and erecting 20 mm dia gun metal gate valve complete with PN16 pressure rating, as per specification no. FF-VL/GV CSR 13-7-31	15	Nos.	961	14415	**956**	**14340.0**	1010	15150
ITEM NO.152 Supplying and erecting 25 mm dia gun metal gate valve complete with	5	Nos.	1267	6335	**1260**	**6300.0**	1330	6650

PN16 pressure rating, as per specification no. FF-VL/GV CSR 13-7-32								
ITEM NO.153 Supplying and erecting 32/40 mm dia gun metal gate valve complete with PN16 pressure rating, as per specification no. FF-VL/GV CSR 13-7-33	14	Nos.	1484	20776	**1476**	**20664.0**	1550	21700
ITEM NO.154 Supplying and erecting 50 mm dia gun metal gate valve complete with PN16 pressure rating, as per specification no. FF-VL/GV CSR 13-7-34	5	Nos.	1532	7660	**1524**	**7620.0**	1610	8050
ITEM NO.155Supplying and erecting 20/25mm dia gun metal air release cock, with necessary G.I. coupling to be fitted on top of air vessel or on wet riser complete as per specification no. FF-FFA/ARVCSR 13-8-13	5	Nos.	889	4445	**884**	**4420.0**	930	4650
ITEM NO.156 Providing and making ISI Mark ferrule connection of 32 mm dia. to water main including ferrule coupling cast iron bell mouth cover, built in non return valve and fixing including excavation and reinstatement complete. SSR 42.75	2	Nos.	4175	8350	**4152.75**	**8305.5**	4370	8740
ITEM NO.157 Providing and fixing 50mm diameter water meter with non return valve including strainer, sockets/ union nut and including water meter box making locking arrangement and lock. [without chamber] SSR 41.30	2	Nos.	16415	32830	**16328.55**	**32657.1**	17150	34300
SOIL, WASTE, VENT & RAIN WATER PIPES								
ITEM NO.158 Providing and fixing on walls /ceiling/ floor 40 mm dia. uPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.93	80	Rmt.	549	43920	**546**	**43680.0**	580	46400
ITEM NO.159 Providing and fixing on walls/ ceiling/ floor 50 mm dia. uPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. SSR 42.94	45	Rmt.	762	34290	**758.1**	**34114.5**	800	36000
ITEM NO.160 Providing, laying and fixing P.V.C. pipe of 75mm dia. with fittings such as bends, tees, reducers, clamps, etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.27	300	Rmt.	455	136500	**452.55**	**135765.0**	480	144000

ITEM NO.161 Providing, laying and fixing P.V.C. pipe of 110 mm. dia. with fittings such as bends, tees, reducers, clamps, etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.28	385	Rmt.	627	241395	**623.7**	**240124.5**	660	254100
ITEM NO.162 P.V.C pipe 160mm dia 4kg/cm2 pressure (class II) SSR PAGE NO.535 SR.NO.192	45	Rmt.	779	35055	**774.9**	**34870.5**	820	36900
ITEM NO.163 Providing and fixing 10 cm PVC nahani trap with grating etc. complete. (KHURRA) SSR 42.67	30	NOS.	569	17070	**565.95**	**16978.5**	600	18000
ITEM NO.164 R.C.C pipe Np2 class 225mm dia. 2m long SSR PAGE NO.541 SR.NO.854	60	Rmt.	414	24840	**411.6**	**24696.0**	440	26400
ITEM NO.165 R.C.C pipe Np2 class 300mm dia. 2m long SSR PAGE NO.541 SR.NO.855	60	Rmt.	678	40680	**674.1**	**40446.0**	710	42600
ITEM NO.166 Providing and fixing 15cm x 10cm salt glazed stoneware gully trap in cement concrete 1:4:8 outside the building including cast iron grating in the sink, connecting glazed stoneware pipe, brick masonry chamber with cast iron lid and cast iron grating for the gully trap SSR 42.02	6	NOS.	1689	10134	**1680**	**10080.0**	1770	10620
ITEM NO.167 Providing and constructing Brick Masonry Inspection Chamber 90cm x 45cm x 90cm including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W pipes, Brick Masonry, plastering from inside and C.I. fid cover of 75Kilogramwith lid and frame fixed in cement concrete. SSR 42.11	6	NOS.	17736	106416	**17642.84**	**105857.0**	18530	111180
ITEM NO.168Providing and constructing Brick Masonry Inspection Chamber 60cm x 45cm With R.C.C. raft in B.C. soil area including cost of reinforcement, 1:2:4 cement concrete channels half round G.S.W. pipes, Brick Masonry, plastering from inside and airtight 75 mm thick R.C.C. cover medium duty 100Kilogrametc. complete SSR 42.16	6	NOS.	12863	77178	**12794.99**	**76769.9**	13440	80640
ITEM NO.169 Providing and fixing Ductile iron Man Hole Covers/ Strom Water Grating and Grating with frame of Various sizes, weight and types and load bearing capacity as per EN-124, equivalent NECO with prior approval of concerned Superintending Engineer. SSR 50.85	4400	KG.	304	1337600	**302.4**	**1330560.0**	320	1408000

ITEM NO.170 Supplying, erecting, testing and commissioning of minimum three & above star rated centrifugal water pump (monoblock), 415 V, three phase, 50 Hz, A.C.supply of 3.75 kW /5 HP with discharge 420/120 lpm for head of 18/51 m & 65 mm suction/50 mm delivery pipe on provided CC foundation as pespecification no. WP-CGP. CSR 12-1-8	2	Nos.	27730	55460	**27584**	**55168.0**	28970	57940
DOMESTIC PUMP FLOW RATE- 170 LPM (1 working + 1 standby)								
HEAD- 45 M								
ITEM NO.171 Supplying, erecting, testing and commissioning of minimum three & above starrated centrifugal water pump (monoblock), 415 V, three phase, 50 Hz, A.C.supply of 2.25 kW/3 HP with discharge 720/165 lpm for head of 12/26 m & 65 mm suction/50 mm delivery pipe on provided CC foundation as pespecification no. WP-CGP. CSR 12-1-6	2	Nos.	22593	45186	**22474**	**44948.0**	23600	47200
FLUSHING PUMP FLOW RATE- 120 LPM (1 working + 1 standby)								
HEAD- 45 M								
ITEM NO. 172 Pump Room Sump Pump: Supplying, erecting, testing and commissioning of minimum three & above star rated submersible pumpset of 0.75 kW/1 HP with 230 V, single phase, 50 Hz, A.C. supply suitable for 100 mm dia. borewell with 10 to 60 lpm discharge at 88 to 33 m head & discharge & delivery pipe of size-32 mm dia. with a necessary H type clamps as per specification no. WP-SMP. CSR 12-2-33	2	Nos.	18650	37300	**18552**	**37104.0**	19480	38960
SUMP PUMP FLOW RATE- 60 LPM (1 working + 1 standby)								
HEAD- 20 M								
ITEM NO.173 Supplying, erecting, testing and commissioning of minimum three & above star rated centrifugal water pump (monoblock), 230 V, single phase, 50 Hz, A.C. supply of 1.125 kW/1.5HP with discharge 198/50 lpm for head of 15/37.5 m & 40 mm suction/32 mm delivery pipe on provided CC foundation as per specification no. WP-CGP.(BOOSTER PUMP) CSR 12-1-3	2	Nos.	12622	25244	**12555**	**25110.0**	13190	26380
ITEM NO.174 Supplying and erecting 75/80 mm dia cast iron double flange NRV complete with PN16 pressure rating, as per specification no. FF-VL/NRV CSR 13-7-23	5	Nos.	6473	32365	**6439**	**32195.0**	6770	33850
ITEM NO.175 Supplying and erecting 75/80 mm dia Cast Iron end line	4	Nos.	4619	18476	**4595**	**18380.0**	4830	19320

strainer of Y-type flanged end pattern, PN16 pressure rating, SS screen, end connection with Flanged / Screwed / Socket Weld / Butt Weld End etc with standard OAR (open area Ratio) for positive suction complete as per specification no. FF-VL/ELS CSR 13-7-5								
ITEM NO 176 Supplying and erecting 150 mm dia Cast Iron end line strainer of Y-type flanged end pattern, PN16 pressure rating, SS screen, end connection with Flanged / Screwed / Socket Weld / Butt Weld End etc with standard OAR (open area Ratio) for positive suction complete as per specification no. FF-VL/ELS CSR 13-7-7	1	Nos.	11713	11713	**11651**	**11651.0**	12240	12240
ITEM NO 177Supplying and erecting 75/80 mm dia. cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FF VL/BFVCSR 13-7-19	1	Nos.	3239	3239	**3222**	**3222.0**	3390	3390
ITEM NO 178 Supplying and erecting 65 mm dia. cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FF-VL/BFV CSR 13-7-18	2	Nos.	2723	5446	**2709**	**5418.0**	2850	5700
ITEM NO 179 Supplying and erecting 50 mm dia. cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no FF-VL/BFV CSR 13-7-17	10	Nos.	2521	25210	**2508**	**25080.0**	2640	26400
ITEM NO 180 Supplying and erecting 100 mm dia. Pressure gauge, 0-300 PSI or 0-14 kg per cm square fitted with 12/15 mm dia. Pad cock valve, erected with provided G.I. pipe, elbow etc complete as per specification no. FF-FFA/PG CSR 13-8-14	8	Nos.	814	6512	**810**	**6480.0**	860	6880
ITEM NO 181 Supplying, erecting, testing and commissioning of water level controller 230/415 V, A.C. supply , four way under ground & over head tank operation only. CSR 12-4-15	4	Nos.	1312	5248	**1305**	**5220.0**	1380	5520
PLUMBING PANEL								
Incomer								
ITEM NO 182 Providing & erecting 4 Pole MCCB, 415V, up to 100A, rated short-circuit breaking capacity 25 kA (Ics=100% of Icu), adjustable thermal (overload) setting and fixed magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact. MCCB with phase barriers on both sides, insulation withstand capacity 800V, no line-load	1	Nos.	7007	7007	**6969.6**	**6969.6**	7320	7320

bias in provided enclosure/panel as per specification no. SW-MCCB CSR 5-5-1								
Bus bar with enclosure with all control accessories of 100A Motor control center for fully functioning as Plumbing pump panel with in 1W+1S configuriation.								
ITEM NO.183 Supplying and erecting selector switch suitable for voltmeter/ammeter for 3 phase AC supply 500V, 50Hz, on provided box/panel and duly connecting with necessary PVC wire leads and lugs CSR 6-7-1	1	Nos.	357	357	**355**	**355.0**	380	380
ITEM NO.184 Supplying & erecting LED type indicating pilot lamp with LED colours Red / Yellow / Green, 230 / 250V on provided box / panel with necessary material, wiring & connections etc. CSR 6-7-5	3	Nos.	364	1092	**362**	**1086.0**	390	1170
ITEM NO.185 Supplying & erecting of any size Electrolyte Alluminium Patti or bar in bus bar chember / in panel or any other purpose, 500 volt with require capacity with 99.9% alluminium purity with fixing arrangement (like lug or bottle type lug) to both the end with high grade polyolefin insulation sleeve complete as per specification no. BCP-BB CSR 6-2-11	10	kg.	727	7270	**723**	**7230.0**	760	7600
ITEM NO.186 Providing and fixing sheet metal work in CRCA sheet with fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, rivetting etc. treated with anti-rust treament and duly power coated or painted with one coat of red lead paint and 2 coats of enamel paint as directed. For manufacturing of panel, CRCA sheet of min 1.6 mm to 1.8 mm thickness shall be used for external enclosure and min 1.2 to 1.4 mm thickness for internal separation and min 2 mm to 2.4 mm thickness shall be used for cable entry / gland plate . CSR 6-1-1	15	kg.	262	3930	**261**	**3915.0**	280	4200
ITEM NO.187Supplying, erecting & marking SPMCB 0.5A to 5A in provided distribution board as per specification No. SW-SWR/MCB CSR 5-3-1	3	Nos.	251	753	**250**	**750.0**	270	810
ITEM NO.188 Providing and erecting L.T. Current Transformer with bar primary 50/5 to 1000/5 ratio with 15VA burden erected in provided CRCA box duly secured with insulating materials connected to the meter with test certificates. CSR 6-7-2	1	Nos.	1181	1181	**1175**	**1175.0**	1240	1240
ITEM NO.189 Supplying, erecting, testing and commissioning of	4	Nos.	6708	26832	**6673**	**26692.0**	7010	28040

automatic control panel for three phase , 415 V, A.C. supply, submersible/centrifugal pump set upto 7.5 HP consisting of D.O.L. starter having relay range 9-14 A, S.P.P., combined ammeter/voltmeter, phase indicating lamp enclosed in CRCA powder coated vibration proof enclosure with IP54 protection with single phasing, phase reversal, phase imbalance, etc CSR 12-4-17								
ITEM NO.190 Supplying, erecting, testing and commissioning of automatic control panel for single phase, 230 V, A.C. supply submersible/centrifugal pump set upto 3 HP consisting of D.O.L. starter of suitable relay range, S.P.P., combined ammeter/ voltmeter, phase indicating lamp enclosed in CRCA powder coated vibration proof enclosure with IP54 protection. CSR 12-4-20	2	Nos.	4365	8730	**4342**	**8684.0**	4560	9120
ITEM NO.191 Supplying, erecting & marking DP MCB 40A to 63A, B-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-9	6	Nos.	696	4176	**692**	**4152.0**	730	4380
ITEM NO.192 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 3 core 2.5 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-14	100	Rmt.	176	17600	**175**	**17500.0**	190	19000
ITEM NO.193 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 3 core 4 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-15	200	Rmt.	245	49000	**244**	**48800.0**	260	52000
ITEM NO.194 Supplying & erecting single compression type brass cable glands for 2 to 4 core 2.5 sq mm /2 to 4 core 4 sq mm /2 core 6 sq mm cable as per specification No. CB-GL CSR 7-7-1	12	Nos.	73	876	**73**	**876.0**	80	960
ITEM NO.195 Supplying & erecting crimping type copper lugs for cable upto 16 sq mm complete as per specification No. CB-CL/CU CSR 7-9-1	36	Nos.	24	864	**24**	**864.0**	30	1080
ELECTRICAL								
ELECTRICAL PANEL								

ITEM NO.196 Providing & erecting 4 Pole MCCB, 415V,630A, rated short-circuit breaking capacity 50 kA (Ics=100% of Icu), adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact. MCCB should have phase barriers both sides, with insulation withstand capacity 800V, no line-load bias in provided enclosure/panel as per specification no. SW-MCCB (CURRENT SETTING AT 500A) CSR 5-5-7	2	Nos.	33192	66384	**33016.8**	**66033.6**	34670	69340
ITEM NO.197Providing & erecting 4 Pole MCCB, 415V, 200A, rated short-circuit breaking capacity 25 kA (Ics=100% of Icu), adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact. MCCB should have phase barriers both sides, with insulation withstand capacity 800V, no line-load bias in provided enclosure/panel as per specification no. SW-MCCBCSR 5-5-3	2	Nos.	13381	26762	**13310.4**	**26620.8**	13980	27960
ITEM NO.198 Providing & erecting 3 Pole MCCB 415V, 320A, rated short-circuit breaking capacity 36 kA (Ics=100% of Icu) adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact.MCCB should have phase barriers both sides, with insulation withstand capacity 800V,no line-load bias in provided enclosure/panel as per specification no. SW-MCCB CSR 5-5-5	2	Nos.	20101	40202	**19995**	**39990.0**	21000	42000
ITEM NO.199 Providing & erecting 4 Pole MCCB, 415V, up to 100A, rated short-circuit breaking capacity 25 kA (Ics=100% of Icu), adjustable thermal (overload) setting and fixed magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact. MCCB with phase barriers on both sides, insulation withstand capacity 800V, no line-load bias in provided enclosure/panel as per specification no. SW-MCCB CSR 5-5-1	20	Nos.	7007	140140	**6969.6**	**139392.0**	7320	146400
ITEM NO.200 Providing & erecting 3 Pole MCCB, 415V, 160A, rated short-circuit breaking capacity 25 kA (Ics=100% of Icu), adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact.	8	Nos.	10890	87120	**10832.4**	**86659.2**	11380	91040

MCCB should have phase barriers both sides, with insulation withstand capacity 800V, no line-load bias in provided enclosure/panel as per specification no. SW-MCCB CSR 5-5-2								
ITEM NO.201 Supplying and erecting intelligent flush mounted panel meter three phase four wire (IPM) input voltage measurement range 50-550 V AC (P-P) 415V, aux. supply 90-300 V AC/DC, flush mounted (96 x 96 mm) meter constant Wh viewing in LCD multifunction meters in auto scroll mode with voltage, current, frequency, power factor kW, kVA, kVAR, kWh, kVAh, kVARh, phase angle, interrupts, THD, complete with RS 485 communication protocol, class 1 accuracy and wiring connections and mounting hardware CSR 6-5-9	6	Nos.	9486	56916	**9436**	**56616.0**	9910	59460
ITEM NO.202 Supplying and erecting selector switch suitable for voltmeter/ammeter for 3 phase AC supply 500V, 50Hz, on provided box/panel and duly connecting with necessary PVC wire leads and lugs CSR 6-7-1	16	Nos.	357	5712	**355**	**5680.0**	380	6080
ITEM NO.203 Supplying, erecting & marking of surge arrestor/ surge protection device at the main distribution board after the incoming breaker of type 1+2 tested for Imax 50 kA for three phase and neutral with compliance to IEC 61643-11 as per specification no. CP-SPD CSR 6-8-3	2	Nos.	9603	19206	**9552**	**19104.0**	10030	20060
ITEM NO.204 Supplying and erecting three phase 10 to 60 A net meter DLMS compliance of accuracy class 1.0, 3 x 240V, 50 Hz, with backlit LCD display, optical port and RS232 port (measures import kWh, kVAh, export kWh, kVAh, Net kWh, kVAh,V, I, kW, 6 months history of energy) with wiring connections and mounting hardware on provided panels complete with calibration certificate from manufacturer. CSR 6-5-13	2	Nos.	12363	24726	**12298**	**24596.0**	12920	25840
ITEM NO.205Supplying, erecting & marking FP MCB 40A to 63A, with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-13	18	Nos.	1336	24048	**1329**	**23922.0**	1400	25200
ITEM NO.206 Supplying & erecting ON LOAD change over switch 4 Pole, 415V, 160A, open execution having staggered termination, phase barrier, shroud termination and terminalcover along with	1	Nos.	8775	8775	**8729**	**8729.0**	9170	9170

auxiliary contacts and ready to upgrade with fuse protection kit, operational current category AC23A complying to IS/IEC 60947-3 Part-1/3 as per specification no.SW-SWR/COS. CSR 5-1-5								
ITEM NO. 207 Supplying, erecting & marking FP MCB 6A to 32A, with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-12	44	Nos.	1065	46860	**1059**	**46596.0**	1120	49280
ITEM NO. 208 Supplying, erecting & marking SP MCB 6A to 32A, B-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-3	270	Nos.	174	46980	**173**	**46710.0**	190	51300
ITEM NO. 209 Supplying, erecting & marking SP MCB 40A to 63A, B-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-5	70	Nos.	353	24710	**351**	**24570.0**	370	25900
ITEM NO. 210 Supplying, erecting & marking DP MCB 40A to 63A, B-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-7	17	Nos.	513	8721	**510**	**8670.0**	540	9180
ITEM NO. 211 Supplying, erecting & marking DP MCB 40A to 63A, B-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-9	27	Nos.	696	18792	**692**	**18684.0**	730	19710
ITEM NO. 212 Supplying, erecting & marking TP MCB 6A to 32A, with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-10	16	Nos.	755	12080	**751**	**12016.0**	790	12640
ITEM NO. 213 Supplying, erecting & commissioning 4 pole RCCB 16/25A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW-RCCB CSR 5-6-4	40	Nos.	2736	109440	**2722**	**108880.0**	2860	114400
ITEM NO.214 Providing & erecting 4 Pole MCCB 415V, 400A, rated short-circuit breaking capacity 36 kA (Ics=100% of Icu), adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/ UV/ trip alarm contact. MCCB should have phase barriers both sides, with	1	Nos.	24379	24379	**24250.8**	**24250.8**	25470	25470

insulation withstand capacity 800V, no line-load bias in provided enclosure /panel as per specification no. SW-MCCB CSR 5-5-6								
ITEM NO 215Supplying, erecting, testing & commissioning 125 kVAr, 3 phase, 50 Hz., APFCPanel with derated power contactor of suitable rating for capacitor switching Application for each step controlled by microprocessor based APFC relay consisting of 2,3,5,10,20,20,20,20 or suitable steps of MPP /APP type capacitor with 525 V and having minimum overcurrent capacity of 1.8 In, peak inrush current capacity 300 In and minimum life 150000 hours with detuned aluminium wound reactor of 7/ 14% for each step, APFC Panel shall suitable rating MCCB as incomer and each branch/step shall have separate isolation with MCCB/MCB of Suitable rating for protection, compliance to IEC 61439 and power quality IEC 61921 standard as per specification no. CP-ED/APFCCSR 6-9-20	1	Nos.	509524	509524	**506838**	**506838.0**	533000	533000
ITEM NO 216 Supplying, erecting, testing & commissioning 35 kVAr, 3 phase, 50 Hz., APFC Panel with derated power contactor of suitable rating for capacitor switching Application for each step controlled by microprocessor based APFC relay consisting of 2,3,5,5,10,10 or suitable steps of MPP /APP type capacitor with 525 V and having minimum overcurrent capacity of 1.8 In, peak inrush current capacity 300 In and minimum life 150000 hours with detuned aluminium wound reactor of 7/ 14% for each step, APFC Panel shall suitable rating MCCB as incomer and each branch/step shall have separate isolation with MCCB/MCB of Suitable rating for protection, compliance to IEC 61439 and power quality IEC 61921 standard as per specification no. CP-ED/APFC. CSR 6-9-17	1	Nos.	203424	203424	**202352**	**202352.0**	212500	212500
ITEM NO 217 Supplying & erecting LED type indicating pilot lamp with LED colours Red / Yellow / Green, 230 / 250V on provided box / panel with necessary material, wiring & connections etc. CSR 6-7-5	36	Nos.	364	13104	**362**	**13032.0**	390	14040
ITEM NO 218 Supplying, erecting & marking SPMCB 0.5A to 5A in provided distribution board as per specification No. SW-SWR/MCB CSR 5-3-1	36	Nos.	251	9036	**250**	**9000.0**	270	9720

ITEM NO 219 Providing and erecting L.T. Current Transformer with bar primary 50/5 to 1000/5 ratio with 15VA burden erected in provided CRCA box duly secured with insulating materials connected to the meter with test certificates. CSR 6-7-2	8	Nos.	1181	9448	**1175**	**9400.0**	1240	9920
ITEM NO 220 Supplying, erecting, testing & commissioning of any size electrolyte aluminium patti or bar in bus bar chamber / in panel or any other purpose, 500 V with require capacity 99.9% aluminium purity with E91E Grade as per IS 5082 & current density 0.8 A per sq mm with fixing arrangement (like lug or bottle type lug) to both the end with high grade polyolefin insulation sleeve complete as per specification no. CP-BB CSR 6-2-11	250	kg.	727	181750	**723**	**180750.0**	760	190000
ITEM NO 221 Providing and fixing sheet metal work in CRCA sheet with fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, rivetting etc. treated with anti-rust treament and duly power coated or painted with one coat of red lead paint and 2 coats of enamel paint as directed. For manufacturing of panel, CRCA sheet of min 1.6 mm to 1.8 mm thickness shall be used for external enclosure and min 1.2 to 1.4 mm thickness for internal separation and min 2 mm to 2.4 mm thickness shall be used for cable entry / gland plate . CSR 6-1-1	2000	kg.	262	524000	**261**	**522000.0**	280	560000
ITEM NO 222Supplying & erecting CRCA sheet metal one way enclosures of 1.2mm thickness suitable for DP MCB/TP MCB/FP MCB/RCCB/RCBO complete erected on provided angle iron/GI frame CSR 5-4-15	20	Nos.	410	8200	**408**	**8160.0**	430	8600
ITEM NO 223 Supplying and erecting single pole and neutral distribution board (SPNDB), with 2 ways for incoming and 6 ways (6 poles) for outgoing SP MCBs, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on provided iron/GI frame as per specification no. SW-MCBDB CSR 5-4-9	8	Nos.	1340	10720	**1333**	**10664.0**	1400	11200
ITEM NO 224 Supplying and erecting single pole and neutral distribution board (SPNDB), with 2 ways for incoming and 8 ways (8 poles) for outgoing SP MCBs, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on provided iron/GI frame as per specification no. SW-MCBDB CSR 5-4-10	7	Nos.	1511	10577	**1503**	**10521.0**	1580	11060

ITEM NO.225 Supplying, fixing and commissioning 2 pole RCBO up to 25A, with overcurrent, rated short-circuit breaking capacity (10 kA) and earth leakage protection, with 30/100/300 mA sensitivity and short circuit and earth leakage trip indication as per specification no SW-RCBO CSR 5-6-9	10	Nos.	3196	31960	**3179**	**31790.0**	3340	33400
ITEM NO.226 Supplying & erecting triple pole and neutral distribution board (TPNDB), SPMCB of 12ways/phase (36 poles), with door, 1.2mm thickness, surface/flush mounted, IP 43 protection on provided iron/GI frame (horizontal busbar type) as per specification no. SW-MCBDB CSR 5-4-3	8	Nos.	4140	33120	**4118**	**32944.0**	4330	34640
ITEM NO.227 Supplying & erecting triple pole and neutral distribution board (TPNDB), SP/TP MCBs total 4 ways/12 Poles, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on provided iron/GI frame (vertical busbar type) as per specification no. SW-MCBDB CSR 5-4-4	2	Nos.	4606	9212	**4582**	**9164.0**	4820	9640
ITEM NO.228 Supplying & erecting triple pole and neutral distribution board (TPNDB), SPMCB of 4 ways/phase (12 poles), with door, 1.2mm thickness, surface/flush mounted, IP 43 protection on provided iron/GI frame (horizontal busbar type) as per specification no. SW-MCBDB CSR 5-4-2	5	Nos.	3335	16675	**3317**	**16585.0**	3490	17450
ITEM NO.229 Supplying & erecting triple pole and neutral distribution board (TPNDB), SPMCB of 4 ways/phase (12 poles), with door, 1.2mm thickness, surface/flush mounted, IP 43 protection on provided iron/GI frame (horizontal busbar type) as per specification no. SW-MCBDB CSR 5-4-1	5	Nos.	2404	12020	**2391**	**11955.0**	2520	12600
ITEM NO.230 SSupplying and erecting single pole and neutral distribution board (SPNDB), with 2 ways for incoming and 4 ways (4 poles) for outgoing SP MCBs, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on provided iron/GI frame as per Specification no. SW-MCBDB CSR 5-4-8	4	Nos.	989	3956	**984**	**3936.0**	1040	4160
ITEM NO.231 Supplying, fixing and commissioning 4 pole RCBO	7	Nos.	4234	29638	**4212**	**29484.0**	4430	31010

32/40A, with overcurrent, rated short-circuit breaking capacity (10 kA) and earth leakage protection, with 30/100/300 mA sensitivity and short circuit and earth leakage trip indication as per specification no SW-RCBO CSR 5-6-13								
ITEM NO.232Supplying & erecting triple pole and neutral distribution board (TPNDB), SP/TP MCBs total 12 ways/36 poles, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on provided iron/GI frame (vertical busbar type) as per specification no. SW-MCBDBCSR 5-4-6	5	Nos.	7780	38900	**7739**	**38695.0**	8130	40650
ITEM NO.233 Supplying, erecting & marking DP MCB 6 A to 32 A, B-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-7	20	Nos.	513	10260	**510**	**10200.0**	540	10800
ITEM NO.234 Supplying & erecting mains with 4x4 sq mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places. as per specification no. WG-MA/BW Continuous earth wire size shall be selected as per IS 732:2019 CSR 1-3-3	700	Rmt.	249	174300	**247.5**	**173250.0**	260	182000
ITEM NO.235 Supplying & erecting HMS PVC conduit 20mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification no. WG-MA/CC. CSR 1-1-7	3000	Rmt.	105	315000	**104**	**312000.0**	110	330000
ITEM NO.236 Supplying & laying HMS PVC conduit 20mm dia. with necessary accessories in RCC work/false ceiling/false flooring as per specification no. WG-MA/CC. CSR 1-1-8	3850	Rmt.	90	346500	**90**	**346500.0**	100	385000
ITEM NO.237 Supplying & erecting HMS PVC conduit 25mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification no. WG-MA/CC. CSR 1-1-9	1250	Rmt.	117	146250	**116**	**145000.0**	130	162500
ITEM NO.238 Supplying & laying HMS PVC conduit 25mm dia with necessary accessories in RCC work/false ceiling/false flooring as per specification WG-MA/CC. CSR 1-1-10	4250	Rmt.	103	437750	**102**	**433500.0**	110	467500
ITEM NO.239 Supplying & laying HMS PVC conduit 32mm dia. with necessary accessories in RCC work/false ceiling/false flooring as per specification no. WG-MA/CC. CSR 1-1-12	600	Rmt.	140	84000	**139**	**83400.0**	150	90000

ITEM NO.240 Supplying and erecting HMS PVC conduit 32 mm dia. with PVC accessories on wall/floor with chiselling as per specification no. WG-MA/CON. CSR 1-1-11	115	Rmt.	154	17710	**153**	**17595.0**	170	19550
ITEM NO.241 Supplying and erecting 25mm dia.'corrugated flexible polypropylene conduit CSR 1-2-2	1200	Rmt.	19	22800	**19**	**22800.0**	20	24000
ITEM NO.242Supplying & erecting mains with 2x1.5 sq mm FRLSH copper PVC insulatedwire laid in provided conduit/trunking/inside pole/bus bars or any other placesas per specification no. WG-MA/BWCSR 1-3-1	7000	Rmt.	46	322000	**46**	**322000.0**	50	350000
ITEM NO.243 Supplying & erecting mains with 2x1.5 sq mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places as per specification no. WG-MA/BW(GREEN COLOUR EARTH WIRE) CSR 1-3-1	1600	Rmt.	23	36800	**23**	**36800.0**	30	48000
ITEM NO.244 Supplying & erecting mains with 2x2.5 sq mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places. as per specification no. WG-MA/BW CSR 1-3-2	5500	Rmt.	71	390500	**71**	**390500.0**	80	440000
ITEM NO.245 Supplying & erecting mains with 2x2.5 sq mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places. as per specification no. WG-MA/BW (GREEN COLOUR EARTH WIRE) CSR 1-3-2	2100	Rmt.	36	75600	**35.5**	**74550.0**	40	84000
ITEM NO.246 Supplying & erecting mains with 2x4 sq mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places. as per specification no. WG-MA/BW 9 CSR 1-3-3	1800	Rmt.	100	180000	**99**	**178200.0**	110	198000
ITEM NO.247 Supplying and erecting modular type switch 6A / 10A ISI mark approved make duly erected on provided plate and box with wiring connections complete. CSR 1-6-1	530	Nos.	72	38160	**72**	**38160.0**	80	42400
ITEM NO.248 Supplying and erecting modular type switch 16A ISI mark approved make duly erected on provided plate and box with wiring connections complete. CSR 1-6-2	420	Nos.	109	45780	**108**	**45360.0**	120	50400
ITEM NO.249 Supplying and erecting modular type switch one way	40	Nos.	129	5160	**128**	**5120.0**	140	5600

16/20 A on provided plate and box with wiring connections complete with neon indicator CSR 1-6-7								
ITEM NO 250 Supplying and erecting modular type 3 pin 6A multi socket with safety shutter ISI mark approved make duly erected on provided plate and box with wiring connections complete. CSR 1-6-10	180	Nos.	117	21060	**116**	**20880.0**	130	23400
ITEM NO 251 Supplying and erecting modular type 3 pin 6 / 16A multi socket with safety shutter ISI mark approved make duly erected on provided plate and box with wiring connections complete. CSR 1-6-11	280	Nos.	187	52360	**186**	**52080.0**	200	56000
ITEM NO 252 Supplying and erecting modular type 6/16A fuse unit on provided plate and box with wiring connections complete CSR 1-6-13	30	Nos.	130	3900	**129**	**3870.0**	140	4200
ITEM NO 253 Supplying and erecting modular type T.V. socket single outlet on provided plate and box with wiring connections complete CSR 1-6-14	30	Nos.	110	3300	**109**	**3270.0**	120	3600
ITEM NO 254Supplying and erecting unbreakable concealed type modularswitch box with double mounting plate for 1 module dulyerected flush to wall with required chiselling and finishing withcement morter / POP as per required to match the backgroundin an approved manner CSR 1-6-34	70	Nos.	232	16240	**231**	**16170.0**	250	17500
ITEM NO 255 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 2 module duly erected flush to wall with required chiselling and finishing with cement morter / POP as per required to match the background in an approved manner CSR 1-6-35	100	Nos.	235	23500	**234**	**23400.0**	250	25000
ITEM NO 256 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 3 module duly erected flush to wall with required chiselling and finishing with cement morter / POP as per required to match the background in an approved manner. CSR 1-6-36	80	Nos.	270	21600	**269**	**21520.0**	290	23200
ITEM NO 257 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 6 module duly erected flush to wall with required chiselling and finishing with cement morter / POP as per required to match the background in an approved manner. CSR 1-6-38	70	Nos.	391	27370	**389**	**27230.0**	410	28700

ITEM NO.258 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 12 module duly erected flush to wall with required chiselling and finishing with cement morter / POP as per required to match the background in an approved manner. CSR 1-6-40	35	Nos.	547	19145	**544**	**19040.0**	580	20300
ITEM NO.259 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 16 / 18 module duly erected flush to wall with required chiselling and finishing with cement morter / POP as per required to match the background in an approved manner. CSR 1-6-41	20	Nos.	617	12340	**614**	**12280.0**	650	13000
ITEM NO.260 Supplying and erecting ceiling rose/ batten holder/ slanting holder/ hanging cord switch/ hanging bell push/ pendant holder bakelite base 6A erected on filled polypropylene board or polished double wooden block/ PVC junction box. CSR 1-5-5	30	Nos.	43	1290	**43**	**1290.0**	50	1500
ITEM NO.261 Supplying and erecting modular type telephone socket one gang with safety shutter ISI mark approved make duly erected on provided plate and box with wiring connections complete. CSR 1-6-15	30	Nos.	115	3450	**114**	**3420.0**	120	3600
ITEM NO.262 Supplying and erecting modular type computer Jack RJ 45 with safety shutter ISI mark approved make duly erected on provided plate and box with wiring connections complete. CSR 1-6-17	30	Nos.	153	4590	**152**	**4560.0**	160	4800
ITEM NO.263 Supplying and erecting modular type blanking plate one module ISI mark approved make duly erected on provided plate & box. CSR 1-6-24	50	Nos.	24	1200	**24**	**1200.0**	30	1500
ITEM NO.264 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 4 module duly flushed to wall with required chiselling and finishing with cement mortar / POP as per required to match the background.. CSR 1-6-29	60	Nos.	197	11820	**196**	**11760.0**	210	12600
ITEM NO.265Supplying, erecting & terminating FR XLPE insulated, galvanised steel wirearmoured (round) cable 1100 V, 3 core 6 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CUCSR 7-2-16	40	RM	320	12800	**318**	**12720.0**	340	13600

ITEM NO.266 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 4 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-31	160	RM	301	48160	**299**	**47840.0**	320	51200
ITEM NO.267 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 6 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-32	440	RM	400	176000	**398**	**175120.0**	420	184800
ITEM NO.268 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 10 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-33	70	RM	608	42560	**605**	**42350.0**	640	44800
ITEM NO.269 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 16 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-34	610	RM	872	531920	**867**	**528870.0**	920	561200
ITEM NO.270 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 16 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-35	680	RM	1392	946560	**1385**	**941800.0**	1460	992800
ITEM NO.271 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 50 sq. mm. aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid inprovided trench/ pipe as per specification no. CB-LT/AL CSR 7-1-17	100	RM	388	38800	**386**	**38600.0**	410	41000
ITEM NO.272 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 4 core 25 sq.	60	RM	266	15960	**265**	**15900.0**	280	16800

mm. aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL (Wire Armoured) CSR 7-1-30								
ITEM NO.273 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 25 sq. mm. aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL (Wire Armoured) CSR 7-1-12	230	RM	218	50140	**217**	**49910.0**	230	52900
ITEM NO.274 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 95 sq. mm. aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL (Wire Armoured) CSR 7-1-19	250	RM	706	176500	**702.65**	**175662.5**	740	185000
ITEM NO.275Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 185 sq. mm. aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/ALCSR 7-1-22	150	RM	1108	166200	**1102**	**165300.0**	1160	174000
ITEM NO.276 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 150 sq. mm. aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL CSR 7-1-21	200	RM	907	181400	**902**	**180400.0**	950	190000
ITEM NO.277 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 120 sq. mm. aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL CSR 7-1-20	250	RM	765	191250	**761**	**190250.0**	800	200000
ITEM NO.278 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip)	60	RM	502	30120	**499**	**29940.0**	530	31800

cable, 1100 V 3½ core 70 sq. mm. aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL CSR 7-1-18								
ITEM NO.279 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 70 sq. mm. aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL CSR 7-1-21	170	RM	907	154190	**902**	**153340.0**	950	161500
ITEM NO.280 Supplying & erecting single compression type brass cable glands for 2 to 4 core 2.5 sq mm /2 to 4 core 4 sq mm /2 core 6 sq mm cable as per specification No. CB-GL CSR 7-7-1	30	Nos.	73	2190	**73**	**2190.0**	80	2400
ITEM NO.281 Supplying & erecting single compression type brass cable glands for 3 to 4 core 6 sq mm /2 to 4 core 10 sq mm cable as per specification No. CB-GL CSR 7-7-2	64	Nos.	93	5952	**93**	**5952.0**	100	6400
ITEM NO.282 Supplying & erecting single compression type brass cable glands for 3 to 4 core 16 sq mm /3 to 4 core 25 sq mm /3 core 35 sq mm cable as per specification No. CB-GL CSR 7-7-3	26	Nos.	186	4836	**185**	**4810.0**	200	5200
ITEM NO.283 Supplying & erecting single compression type brass cable glands for 4 core 35 Sq mm./3 core 50 Sq mm. cable as per specification no. CB-GL CSR 7-7-4	6	Nos.	209	1254	**208**	**1248.0**	220	1320
ITEM NO.284 Supplying & erecting single compression type brass cable glands for 3½ core 95 sq mm cable as per specification No. CB-GL CSR 7-7-7	12	Nos.	317	3804	**315**	**3780.0**	340	4080
ITEM NO.285 Supplying & erecting single compression type brass cable glands for 3½ core 120 sq mm cable as per specification No. CB-GL CSR 7-7-8	6	Nos.	374	2244	**372**	**2232.0**	400	2400
ITEM NO.286 Supplying & erecting single compression type brass cable glands for 3½ core 150 sq mm cable as per specification No. CB-GL CSR 7-7-9	6	Nos.	374	2244	**372**	**2232.0**	400	2400
ITEM NO.287 Supplying & erecting single compression type brass cable glands for 3½ core 185 sq mm cable as per specification No. CB-GL CSR 7-7-10	4	Nos.	589	2356	**586**	**2344.0**	620	2480

ITEM NO.288 Supplying & erecting single compression type brass cable glands for 3½ core 70 sq mm cable as per specification No. CB-GL/CSR 7-7-6	4	Nos.	281	1124	**280**	**1120.0**	300	1200
ITEM NO.289 Supplying & erecting crimping type copper lugs for cable 50 sq mm complete as per specification No. CB-CL/CU CSR 7-10-4	8	Nos.	24	192	**24**	**192.0**	30	240
ITEM NO.290 Supplying & erecting crimping type copper lugs for cable 70 sq mm complete as per specification No. CB-CL/CU CSR 7-10-5	10	Nos.	31	310	**31**	**310.0**	40	400
ITEM NO.291 Supplying & erecting crimping type aluminium lugs for cable 95 sq mm complete as per specification No. CB-CL/AL CSR 7-10-6	24	Nos.	33	792	**33**	**792.0**	40	960
ITEM NO.292 Supplying & erecting crimping type aluminium lugs for cable 120 sq mm complete as per specification No. CB-CL/AL CSR 7-10-7	8	Nos.	47	376	**47**	**376.0**	50	400
ITEM NO.293 Supplying & erecting crimping type aluminium lugs for cable 150 sq mm complete as per specification No. CB-CL/AL CSR 7-10-8	8	Nos.	59	472	**59**	**472.0**	70	560
ITEM NO.294 Supplying & erecting crimping type aluminium lugs for cable185 sq mm complete as per specification No. CB-CL/AL CSR 7-10-9	16	Nos.	78	1248	**78**	**1248.0**	90	1440
ITEM NO.295 Supplying & erecting crimping type copper lugs for cable upto 16 sq mm complete as per specification No. CB-CL/CU CSR 7-9-1	90	Nos.	24	2160	**24**	**2160.0**	30	2700
ITEM NO.296 Supply, installing, and testing of maintenance free earthing comprising of electrode of 17.2 mm diameter Low Carbon Steel with 250 micron molecular copper bonded earthing rod of Length 3m along with Carbon based environment friendly back fill ground enhancing compound required to fill up the excavated earth with required quantity (min. 125kg) complete, and recording the results specification no. EA-MF CSR 9-1-5	14	Nos.	12422	173908	**12357**	**172998.0**	12980	181720
ITEM NO.297 Supplying and erecting GI strip of required size used for earthing on wall and/or any other purpose with necessary GI clamps fixed on wall painted with bituminous paint in an approved manner with joints required as per specification no EA-EP. CSR 9-2-3	14	KG	237	3318	**236**	**3304.0**	250	3500
ITEM NO.298 Supplying and laying (including excavation of suitable width & depth up to	300	Rmt	376	112800	**374**	**112200.0**	400	120000

90 cm) 120 mm outside dia double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, complete CSR 7-6-12								
ITEM NO.299 Supplying and erecting GI earth conductor of required sizes used for earthing or any other purposes on wall with necessary GI clamps fixed on wall/cable/ conduit with screws complete(8 SWG) CSR 9-2-5	100	KG	169	16900	**168**	**16800.0**	180	18000
ITEM NO.300 Supplying, installing, testing & commissioning digital (hybrid) type EPABX of 6 x 16 universal extensions compliant to IEC 61000, EN 60950, CISPR 22, IS 9000 part 2/section 4 having LAN/WAN Port, USB port, RS232 port as per specification complete as per specification no. WG-TA CSR 19-2-25	1	Nos.	49033	49033	**48774**	**48774.0**	51220	51220
ITEM NO.301Supplying, erecting, testing and commissioning of diesel generating set with alternator of 100 kVA output continuous rating, 3 phase, 415 V, 50 Hz, 0.8 p.f., A.C. supply, a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, along with standard accessories, self-excited, self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS4722-2001 with voltage regulation +/- 5 %, with performance class G2/G3 and maximum fuel consumption 17.4 ltr/hr @75% loading. Both the engine and alternator direct coupled on a common fabricated steel base frame and mounted on anti-vibrating pads; with standard control panel comprising meters, switchgears, indicators connected with suitable wires/cables, the complete set enclosed in composite acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA sheet, sound absorbing material to restrict sound level up to 75dB at 1.0 m, provided with first filling of oil, diesel not less than 230 ltr etc., on provided M20 grade CC foundation as per specification no. GEN-DGCSR 11-1-12	1	Nos.	926573	926573	**921688**	**921688.0**	968000	968000
ITEM NO.302 Supplying, erecting, testing and commissioning of microprocessor based AMF panel suitable for diesel generating set of above 82.5 kVA upto 100 kVA capacity 3 phase, 415 V, 50 Hz, A.C. supply with all standard features, safeties etc as per specification no. GEN-AMF, CSR 11-2-10	1	Nos.	117964	117964	**117342**	**117342.0**	123300	123300

ITEM NO. 303 Supplying, erecting, testing and commissioning of diesel generating set with alternator of 40 kVA output continuous rating, 3 phase, 415 V, 50 Hz, 0.8 p.f., A.C. supply, a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, along with standard accessories, self-excited self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 %, with performance class G2/G3 and maximum fuel consumption 7.47 ltr/hr @75% loading. Both the engine and alternator direct coupled on a common fabricated steel base frame and mounted on anti-vibrating pads, with standard control panel comprising meters, switchgears, indicators connected with suitable wires/cables, the complete set enclosed in composite acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA sheet, sound absorbing material to restrict sound level up to 75 dB at 1.0 m, provided with first filling of oil, diesel not less than 75 ltr etc., on provided M20 grade CC foundation as per specification no. GEN-DG CSR 11-1-8	1	Nos.	553702	553702	**550783**	**550783.0**	579000	579000
ITEM NO. 304 Supplying, erecting, testing and commissioning of microprocessor based AMF panel suitable for diesel generating set of above 40 kVA upto 50 kVA capacity 3 phase, 415 V, 50 Hz, A.C. supply with all standard features, safeties etc as per specification no. GEN-AMF CSR 11-2-7	1	Nos.	75703	75703	**75304**	**75304.0**	79070	79070
ITEM NO.305 Providing & erecting hot dipped galvanised ladder type cable tray manufactured from 16 SWG GI sheet of 300 mm width & 100 mm height with required standard accessories CSR 7-11-3	450	Rmt	864	388800	**859**	**386550.0**	910	409500
ITEM NO.306 Providing & erecting hot dipped galvanised perforated type cable tray manufactured from 16 SWG GI sheet of 300 mm width & 75 mm height complete with necessary coupler plates & hardware. CSR 7-11-8	200	Rmt	850	170000	**846**	**169200.0**	890	178000
ITEM NO.307Providing & erecting hot dipped galvanised perforated type cable tray manufactured from 16 SWG GI sheet of 200 mm width & 75 mm height complete with necessary coupler plates & hardwareCSR 7-11-7	150	Rmt	680	102000	**676**	**101400.0**	710	106500

ITEM NO.308 Providing & erecting hot dipped galvanised perforated type cable tray manufactured from 16 SWG GI sheet of 150 mm width & 75 mm height complete with necessary coupler plates & hardware CSR 7-11-6	150	Rmt	593	88950	**590**	**88500.0**	620	93000
ITEM NO. 309 Supplying, erecting, testing & commissioning of 10 kVA capacity on line pure sine wave,PWM,IGBT based UPS with 0.9 to unity output pf ,3 phase input & 3 phase output complete with all protections as per specification no. AP-UPS(Without batteries) CSR 3-7-7	1	Nos.	184770	184770	**180484**	**180484.0**	189600	189600
ITEM NO.310 Supplying and erecting 12 V/42Ah SMF battery with battery terminal wire, duly charged complete with 24 months warranty complete CSR 3-8-10	2	Nos.	4951	9902	**4925**	**9850.0**	5180	10360
ITEM NO.311 Supplying and erecting 12 V/100Ah SMF battery with battery terminal wire, duly charged complete with 24 months warranty complete. CSR 3-8-12	1	NOS	9600	9600	**9549**	**9549.0**	10030	10030
ITEM NO.312 Supplying, erecting, testing & commissioning of 3 kVA capacity on line pure sine wave,PWM,IGBT based UPS with 0.8 to unity output pf ,single phase input & 1 phase output complete with all protections as per specification no. AP-UPS (Without batteries) CSR 3-7-3	1	Nos.	51570	51570	**51298**	**51298.0**	53870	53870
ITEM NO.313 Supplying and erecting 12 V/V/65Ah SMF battery with battery terminal wire, duly charged complete with 24 months warranty complete CSR 3-8-11	1	Nos.	7540	7540	**7540**	**7540**	7880	7880
ITEM NO.314 Supplying and erecting integrated LED street light fitting 23 to 25W IP65 & IK08 class having single piece pressure die-cast aluminium housing, having system lumens output of Min. 2300 Lumens, min. efficacy of 100 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.95, operating range of 140-270V, inbuilt surge protection of 10 kV, Life class of 50,000 Hrs at L70B50 including driver complete with minimum 2 Years warranty as per specification No. FGODF/ SL CSR 2-3-2	40	NOS	6718	268720	**6683**	**267320.0**	7020	280800
ITEM NO.315 Supplying and erecting Street light bracket made from 25 mm dia 'B' class G.I. Pipe, 0.6	40	NOS	724	28960	**720**	**28800.0**	760	30400

m in length along with pole cap of 300 mm length and 80 mm dia duly welded with provided leads as per specification no. FG-BKT/BPC CSR 2-6-1								
ITEM NO. 316 Providing & erecting 4 m high (clear height) galvanised octagonal pole with foundation bolts having bottom of 130 mm A/F, top 70 mm A/F on provided foundation as per specification no. OH-PL/OPL CSR 8-2-10	40	NOS	11805	472200	**11743**	**469720.0**	12340	493600
ITEM NO. 317Supplying and erecting anodized aluminium light LED fitting (4 feet) Max. 22W with high transitivity diffuser with system lumens output of Min.2200 lumens , min. efficacy of 100 lumen/W, CRI>80, CCT upto 6000K, Beam Angle of 110 deg., Ripple<5%, THD<20%, p.f. >0.95, operating range of 200-270V,surge protection of 2 kV, Life class of 50,000 Hrs at L70B50 including driver with end caps on provided PVC Block/wooded board with minimum 2 years warranty as per specification No. FG-IDF/LED CSR 2-1-18	35	NOS	806	28210	**802**	**28070.0**	850	29750
ITEM NO.318 Supplying and erecting integrated LED Bollard Cylindrical / Cubical shaped 800mm 8W IP65 & IK10 class having extrusion aluminium housing with polycarbonate diffuser, having system lumens output of Min. 800 Lumens, min. efficacy of 100 lumen/W, CRI>80, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-240V, inbuilt surge protection of 2 kV, Life class of 25,000 Hrs. at L50B50, including driver complete with minimum 2 Year warranty as per specification No FG-ODF/BL CSR 2-3-20	140	NOS	6870	961800	**6834**	**956760.0**	7180	1005200
ITEM NO.319 Supplying and erecting LED square / circular Max. 11 W (9W) down lighter/Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 1200 Lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs at L70B50 including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with minimum 2 years warranty as per specification No. FG-IDF/LED CSR 2-1-3	224	NOS	811	181664	**807**	**180768.0**	850	190400

ITEM NO.320 Supplying LED concealed type foot / step light with aluminium body for indoor / outdoor application suitable for 4W - 6W LED including driver and erecting by making necessary arrangement / recess in wall to make it flush with surface with minimum 1 year warranty as per specification No. FG-IDF/LED CSR 2-1-12	60	NOS	1925	115500	**1915**	**114900.0**	2020	121200
ITEM NO.321 Supplying and erecting anodized aluminium mirror light LED fitting (2 feet) for toilet area Indirect lighting Max. 12W with high transitivity diffuser with min. system lumens output of 1200 lumens, min. efficacy of 100 lumen/W, CRI>80, CCT upto 6000K, Beam Angle of 110 deg., Ripple<5%, THD<20%, p.f. >0.95, operating range of 200-270V, surge protection of 2 kV, Life class of 50,000 Hrs at L70B50 including driver with end caps on provided PVC Block / wooded board with minimum 2 years warranty as per specification No. FG-IDF/LED CSR 2-1-16	40	NOS	457	18280	**455**	**18200.0**	480	19200
ITEM NO.322 Supplying and erecting LED square / circular Max. 25 W down lighter / panelLight having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 2750 Lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs at L70B50 including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with minimum 2 years warranty as per specification No. FG-IDF/LED CSR 2-1-6	198	NOS	1955	387090	**1945**	**385110.0**	2050	405900
ITEM NO.323 Supplying and erecting LED square / circular Max. 18 W down lighter / Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 2000 Lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs at L70B0 including driver,	298	NOS	1552	462496	**1544**	**460112.0**	1630	485740

having mountingarrangement with board for surface type or spring loaded mounting clips complete with minimum 2 years warranty as per specification No. FG-IDF/LEDCSR 2-1-5								
ITEM NO 324 Supplying and erecting integrated LED Highbay Fitting 70W IP65 & IK08 class having die cast aluminium housing with polycarbonate diffuser with integrated optics, having system lumens output of Min.10000 Lumens, min. efficacy of 145 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-240V, inbuilt surge protection of 4 kV, Life class of 50,000 Hrs at L50B50, including driver complete with 2 Year warranty as per specification No FG-ODF/LED CSR 2-5-1	80	NOS	10403	832240	**10348**	**827840.0**	10870	869600
ITEM NO 325 Light fixtures complete with: a) All fixing accessories, mounting Brackets etc. necessary for completeness of installation. b) Lamp of specified wattage c) Electronic ballast of suitable capacity as per specification R3-ME-4-4 Industrial Flood light Symmetrical, Integral type luminaire with 250W metal halide lamp with control gear and filament as per specification MCGM R3-ME-4-4-a	15	NOS	10700	160500	**10644**	**159660.0**	11180	167700
ITEM NO 326 Supplying and erecting Uplighter Wall lights (OWL 402) Wall lights led.- 18w/ 40w with high transitivity diffuser :-Clear/Frosted Toughened Glass, CCT upto 3000K/4000k/6000k, Hosing: Aluminium, IP65, Durable and Vandal resistant complete with all fixtures As per Drawing and Specification. Approved MR	15	NOS	2161	32415	**2150**	**32250.0**	2260	33900
ITEM NO 327 Supplying and erecting Uplighter Wall lights (OWL 406) Wall lights led:- 2X18w/ 2X40w with high transitivity diffuser :-Clear/Frosted Toughened Glass, CCT upto 3000K/4000k/6000k, Hosing: Aluminium, IP65, Durable and Vandal resistant complete with all fixtures As per Drawing and Specification. Approved MR	15	NOS	4524	67860	**4500**	**67500.0**	4730	70950
ITEM NO 328 Supplying and erecting led profile light 12 w conforming IP 65 of any colour with driver complete. (Including Casing) Spec. As directed by Engineer-In-Charge and Drawing Approved MR	150	RMT	2594	389100	**2580**	**387000.0**	2710	406500

ITEM NO 329 Supplying and erecting LED Panel Light (600mm X 600mm) Max. 35 W having CRCA powder coated housing, polystyrene diffuser having system lumens output of Min 4200 Lumens, min. efficacy of 120 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs at L70B50 including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-8	100	NOS	2902	290200	**2887**	**288700.0**	3040	304000
ITEM NO 330 Supplying and erecting cabin fan of A.C. 230 V. 50 cycles 250 mm. /300 mm. sweep complete with necessary brackets for fixing cabin fans, wire etc. CSR 2-9-11	30	NOS	1858	55740	**1848**	**55440.0**	1950	58500
ITEM NO 331Supplying and erecting regular/ standard model ceiling fan of 900 /1050 mm. sweep complete erected in position as per specification no. FG-FN/CF.CSR-2-9-2 /Pg 25	30	NOS	1887	56610	**1877**	**56310.0**	1980	59400
ITEM NO 332 Supplying and erecting electronic type step regulator for ceiling fan 600/ 900/1050 mm CSR 2-10-9/Pg 27	30	NOS	192	5760	**191**	**5730.0**	210	6300
ITEM NO 333 Supplying and erecting regular/ standard model ceiling fan of 1400 mm. sweep complete erected in position as per specification no. FG-FN/CF. CSR 2-9-3	30	NOS	2118	63540	**2107**	**63210.0**	2220	66600
ITEM NO 334 Supplying and erecting fan hook of 10 mm. M.S. round bar grouted in RCC slab with making the site as original. CSR 2-10-4	30	NOS	123	3690	**122**	**3660.0**	130	3900
ITEM NO 335 Supplying and erecting "B" grade G.I. pipe / M.S. pipe down rod duly painted for fan complete erected with PVC three core flexible cable 1 sq. mm copper PVC wire. CSR 2-10-6	30	m	242	7260	**241**	**7230.0**	260	7800
ITEM NO 336 Supply,Installation, testing & commissioning of following light fixtures complete with: a) All fixing accessories, mounting Brackets, anchor fasteners, suspension wires/chains etc. necessary for completeness of installation. b) Drivers / Controllers with housing. c) Lamp of specified wattage. d) Earthing of fittings. e) Diffuser shall lit up uniformly without any black								

spot on diffuser. f) Light fixture finishes should be as specified. g) Any visible power supply cable to light fixture shall be transperent. h) All suspended fixtures shall be provided with SS caps to put around suspension at flase ceiling level Note: 1) In addition to above mentioned accessories details, vendor to consider specific light fixture requirement mentioned along-with light fixture. 2) Light Fixtures final confirmation to be done by Architect and Lighting Consultant approved MR								
45 W LED DOWN LIGHT FITTING SURFACE MOUNTED / SUSPENSION MOUNTED	60	NOS	3655	219300	**3635.25**	**218115.0**	3820	229200
15 W TRACK LIGHT WITH COB LED & EXTRUDED ALUMINIUM HOUSING	30	NOS	1558	46740	**1550**	**46500.0**	1630	48900
SINGLE PHASE 1 MTR. TRACK FOR TRACK LIGHTS	10	SET	593	5930	**590**	**5900.0**	620	6200
LED DECORATIVE HANGING LIGHT FITTINGS	60	NOS	26339	1580340	**26200**	**1572000.0**	27510	1650600
RGB FLOOR STRIP LIGHTS OF 300 mm. LENGTH WITH CONTROLLER	50	NOS	1647	82350	**1638**	**81900.0**	1720	86000
5 W LED STUDY TABLE LAMP	20	NOS	4609	92180	**4585**	**91700.0**	4820	96400
ITEM NO 337 Supplying and erecting (OTSL 1251)Track LED fitting 10W/15w with high transitivity diffuser :-Milky/clear PMMA lumen/W, CRI>80, CCT upto3000K/4000k/6000k, Hosing: Die cast Aluminium, IP20, Approved MR	20	NOS	955	19100	**950**	**19000.0**	1000	20000
ITEM NO 338 Supplying and erecting (OTSL 1252)Track LED fitting 24W/30w/50w with high transitivity diffuser :-Milky/clear PMMA lumen/W, CRI>80, CCT upto3000K/4000k/6000k, Hosing: Die cast Aluminium, IP20, Approved MR	20	NOS	1206	24120	**1200**	**24000.0**	1260	25200
ITEM NO 339Supplying and erecting (OSDL 1055)SPOT LED fitting 5W/10w/15w with high transitivity diffuser :-Clearlumen/W, CRI>80, CCT upto 3000K/4000k/6000k, Hosing: Spun Aluminium, IP40, Approved MR	50	NOS	1306	65300	**1299**	**64950.0**	1370	68500
ITEM NO 340 Supplying and erecting (OSDL 1057)SPOT LED fitting 20w/30w with high transitivity diffuser :-Clear lumen/W, CRI>80, CCT upto 3000K/4000k/6000k, Hosing: Spun Aluminium, IP40, Approved MR	20	NOS	1424	28480	**1416**	**28320.0**	1490	29800
ITEM NO 341 Supplying and erecting Magnetic Surface Track Channels (size 32mm x 50mm)with available material	10	NOS	8041	80410	**7999**	**79990.0**	8400	84000

in Aluminium,Black color,Magnetic Design Approved MR								
ITEM NO 342 Supplying and erecting Uplighter Wall lights (OWL 402) Wall lights led:- 18w/ 40w with high transitivity diffuser :-Clear/Frosted Toughened Glass, CCT upto 3000K/4000k/6000k, Hosing: Aluminium, IP65, Durable and Vandal resistant Approved MR	255	NOS	2161	551055	**2150**	**548250.0**	2260	576300
ITEM NO 343 Supplying and erecting (OUL 354)Underwater light fitting 8w/12w/16w with diffuser :- clear/frosted toughened glass , CCT upto3000K/4000k/6000k, Hosing: gun metal/stainless steel, IP68, durable and vandal resistant Approved MR	10	NOS	12348	123480	**12283**	**122830.0**	12900	129000
ITEM NO 344 Supplying & erecting ready to use Retrofit T8 LED, 18 / 20 watt tube light with polycarbonate body, heat sink, integrated HF electronic driver complete & compatible to T8 / T12 LED luminaire by disconnecting starter & ballast if necessary as per specification No. FG-LP/RET. CSR 2-8-14	15	NOS	667	10005	**663**	**9945.0**	700	10500
ITEM NO 345 Supplying, installing, testing and commissioning of micro processor based intelligent addressable main fire alarm panel, central processing unit with the 2 loop capacity and capable of supporting not less than 250 devices and detectors per loop, with on-board LCD alphanumeric backlit display suitable for minimum 80 characters, operating at 230 V 50 Hz - AC with inbuilt Battery Backup of a minimum 24 hours in normal condition and 30 minutes in alarm condition, The panel shall have suitable provision for network connectivity & compatible for third party integration(Open Protocol to communicate) via a MODBUS/BACNET interface etc. conforming to IS 15908:2021, IS 2189: 2008, NFPA-72, EN 54 / VdS/FM & UL 864(10th edition) with 3 years replacement warranty and inclusive of lifetime software license validity , as per specification noFF-AFAS/CP. CSR 13-10-2	1	NOS	173007	173007	**172095**	**172095.0**	180700	180700
ITEM NO 346 Supplying, installing, testing and commissioning of Addressable Optical Photo Smoke Detector. The detector shall have multi co-operative sensing technology for faster response & avoid false alarms. The detector shall have single/twin bicolour LED for 360 deg viewing. The	140	NOS	2393	335020	**2380**	**333200.0**	2500	350000

detector is conforming to IS 2189: 2008, 11360_1985_Reff2020_EN 54 /VdS / UL & FM approved with 3 years equipment replacement warranty, Designed to meet UL268, 7th Edition. FFAFAS/ SD CSR 13-10-5								
ITEM NO.347Supplying, installing, testing and commissioning of intelligent addressable thermal/heat detector with rate of rise cum fixed temperature thermistor complete with 0°C to 58°C temperature range, with base as required, single/twin LED's with 360 degree view, in-built locking mechanism to check the removal and pilferage of the detector, Detector Shall conforming to IS : 2175 - 1988 reaffirmed 2000, IS 15908:2021 / EN 54 / VdS / UL & FM approved with 3 years equipment replacement warranty, Designed to meet UL268, 7th Edition. FF-AFAS/HD - ROR.CSR 13-10-6	5	NOS	2728	13640	**2714**	**13570.0**	2850	14250
ITEM NO 348 Supplying, installing, testing and commissioning of addressable fire control/relay module for AHU, Access Control, Lifts, Staircase Pressurization, Fire Suppression & other Third Party Outputs etc., Module shall conforming to IS 5051 Part 2 (Sec 1 to 3) : 1982 reed relays / EN 54/VdS / UL & FM approved with 3 years equipment replacement warranty, as per specification no FFAFAS/ CRM-FCM CSR 13-10-10	20	NOS	3799	75980	**3779**	**75580.0**	3970	79400
ITEM NO 349 Supplying, installing, testing and commissioning of addressable fire monitor module for flow switches, Panic Bars & other Third Party Inputs. The monitor module shall monitor potential free contacts. The device shall have an LED which shall blink in normal state & get steady on activation to monitor the health status of the device complete as required. Module shall conforming to IS 5051 Part 2 (Sec 1 to 3) : 1982 Reed relays, EN 54/VdS / UL & FM approved with 3 years equipment replacement warranty, as per specification no FF-AFAS/MM CSR 13-10-11	10	NOS	3750	37500	**3730**	**37300.0**	3920	39200
ITEM NO.350 Supplying, installing, testing and commissioning of addressable fire isolator module for isolating short / dewired / loose circuits with automatic resetting arrangement. Isolator Base can also be proposed, however in that case needs to be considered with each detector	15	NOS	3071	46065	**3055**	**45825.0**	3210	48150

& module. The device shall have an LED which shall blink in normal state & get steady on activation to monitor the health status of the device. module complete as required. Module shall conforming to IS 5051 Part 2 (Sec 1 to 3) : 1982, , EN 54/VdS / UL & FM approved with 3 years equipment replacement warranty, FF-AFAS/ISM CSR 13-10-12								
ITEM NO.351 Supplying, installing, testing and commissioning of addressable manual call points (break glass type/pull station type), made of addressable break glass plastic square in shape surface/flush mounted with "Break Glass" massage embedded on the glass, complete erected with mounting base and required accessories. Module shall conform to EN 54/VdS / UL & FM approved with 3 years equipment replacement warranty, as per specification no FF-AFAS/MCP. CSR 13-10-13	10	NOS	3598	35980	**3579**	**35790.0**	3760	37600
ITEM NO.352 Supplying, installing, testing and commissioning of Addressable Sounder cum Strobe rated at minimum 75 dB @ 3m for Audible annunciation and minimum 75cd flashing at 1 Hz for visual indication. Module shall conforming to IS 2189: 2008, IS 15908:2021 / EN 54/VdS / UL & FM approved with 3 years equipment replacement warranty, as per specification no FF-AFAS/ S-ST CSR 13-10-14	10	NOS	7879	78790	**7837**	**78370.0**	8230	82300
ITEM NO.353 Supply, Installation,Testing & Commissioning of Response indicator for all detectors located above false ceiling. Complete as required Approved MR	20	NOS	251	5020	**250**	**5000.0**	270	5400
ITEM NO.354Supplying, installing, testing and commissioning of repeater panel with suitable battery backup of a minimum of 24 hours in normal condition and 30 min in alarm condition, minimum 10" LCD or LED display with resistive touch screen or function keys and automatic back-light dimming and the status of any Fire/Fault of Integrated Fire Alarm Panels or minimum 80 characters backlitalphanumeric LCD display with inbuilt buzzer to indicate fault/fire alarm, manual control keys for silence/mute and to reset the FACP from the repeater station. Panel shall conforming to IS 15908:2021, IS 2189: 2008, NFPA-72, EN 54 / VdS/FM & UL with 3 years replacement warranty FF-AFAS/RP. (Compatible with 1/2 Loop Fire Alarm Control	1	NOS	74901	74901	**74506**	**74506.0**	78240	78240

Panel), as per specification no FF-AFAS/RPCSR 13-10-16								
ITEM NO.355 Supplying, installing, testing and commissioning FR, XLPE armoured cable 2 core 1.5 sq mm, copper conductor complete erected on wall/ ceiling complete as per specification no. CB-LT/CU GSR 13-9-9	1920	NOS	113	216960	**112**	**215040.0**	120	230400
ITEM NO.356 Supplying Installing, testing and commissioning of PA Gooseneck Microphone with Base and frequency response 50-16000Hz, 150Ω to 200Ω impedence,sensitivity 3 to 5.5mV/PA with minimum length(excluding pedestal) of 585mm(23") long, felxible stem gooseneck condenser microphone & Heavy Duty Metal Base having on/off switch, LED indication and Suitable for 48V phantom supply as per specification no. PA-GM CSR 19-7-6	1	NOS	4712	4712	**4687**	**4687.0**	4930	4930
ITEM NO.357 Supplying, erecting, testing and commissioning of 2 core 2.5 sqmm copper conductor shielded microphone cable complete as per specification no. PASMC CSR 19-7-28	30	RM	134	4020	**133**	**3990.0**	140	4200
ITEM NO.358 Supplying & erecting ISI mark Rigid Steel conduit 16 SWG 20 mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification No: WG-MA/CC, para no. 1.2.3 CSR 1-1-1	700	RM	215	150500	**214**	**149800.0**	230	161000
ITEM NO.359 Supplying & erecting 2-Way Compact PA Wall Speaker of 32W High Fidelity sound with rated voltage 100V, power taps of 32W, 16W, 8W, Power Taps can be selected through an easily accessible rotary switch Low impedence 8Ω, frequency response 80-20000Hz. Weather Resistant speaker with movable mounting bracket with required screws, complete as per specification no. PA-CPAWS CSR 19-7-19	10	Each	5363	53630	**5335**	**53350.0**	5610	56100
ITEM NO.360 Supplying, erecting, testing & commissioning Mixer Amplifier 500W RMS Power with Built-in Digital Player with remote and having 7 Mic & 3 Aux Inputs with Box Speaker/Driver Unit selector switch to each zone , stereo/mono switch, frequency response 50-15000Hz, output regulation <2dB, serprate control for USB level. The unit shall have Preamplifier and Line Output for connecting to a Booster Amplifier and for recording the programme with Resettable circuit breaker for protection against overload and short circuit. The unit shall	1	NOS	27818	27818	**27671**	**27671.0**	29060	29060

have speaker output range of 2Ω, 4Ω(Low Impedence) and 70V & 100V(High Impedence) & It can instant transfer to DC power(36V) if AC power fails. Signal to noise ratio between 60dB to 80dB. Complete as per specification no. PA-MA CSR 19-7-12								
ITEM NO.361Supplying,installing, testing & commissioning 2-Way flush mount Ceiling Speakers with input power 20W RMS power, with power taps on 20/10/5W, 100V & 70V line, frequency response 90-18000Hz, stylish metal mesh grill and plastic frame, operates on 100V line for excellent reproduction of both speech and music, wide frequency response and adjustable tweeter complete as per specification no. PA-FMCS (5W tap consideration)CSR 19-7-14	85	NOS	2346	199410	**2334**	**198390.0**	2460	209100
ITEM NO.362 Supplying, erecting, testing and commissioning of multistrand annealed bare copper conductor, transparent PVC insulated 2C x 1 sqmm speaker wire in provided trunking/conduit etc.complete as per specification no. PA-TSPWR CSR 19-7-25	900	RM	41	36900	**41**	**36900.0**	50	45000
ITEM NO.363Supplying & erecting of High definition 2 Megapixel IP IR Bullet Camera with following features :Image Sensor : minimum 1/2.8" Progressive Scan CMOS,Video Resolution : minimum 1920 x 1080Video Compression : H.264, H.265 or higher, at least Three individually configurable stream, Frame rate : minimum 25 fps at all resolutions, WDR : minimum 120 dB Wide Dynamic Range, ONVIF profile conformant, minimum IR distance : 30m,Lens Type : 2.8/4/6 mm Lens, fixed focal,Field of View : 2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65° Lux sensitivity - minimum 0.2 Lux at color, minimum 0.05 Lux at Black & White, 0.0 Lux (IR) Night Vision Distance minimum IR - 30m. Camera minimum Adjustment Angles - Pan : 350°, Tilt : 72°, Rotate : 350°. Power Supply : Support 12VDC & PoE, IP67, IK10 - Vandal Resistant. Built in micro SD/SDHC/SDXC card slot of minimum 128 GB. Built in microphone. minimum Input/Output - Audio in - 1, Audio Out - 1, Alarm in - 1, Alarm Out - 1. Image Settings : Rotate mode, saturation,	12	NOS	7959	95508	**7917**	**95004.0**	8320	99840

brightness, contrast, sharpness, gain, white balance. Image Enhancements : Day/Night-Auto (ICR)/Color/Black & White, 3D Digital Noise Reduction, Automatic White Balance, Automatic Gain Control, Backlight Compensation, Highlight Compensation. CSR 19-6-1								
Events : Privacy Masking, Motion detection, Scene change detection, Facecapture, Video tampering, audio exception detection, Region entrance detection, Region exiting detection. Operating temperature (-30 to 60° C) .Security - User account and password protection, HTTPS, IP filter, IEEE 802.1X,digest authentication, user access log, TLS1.2, AES - 256, SSH/Telnet closed, FTP disabled. Protocol - DHCP, UDP, HTTP, HTTPS, NTP, DNS, RTP, RTSP, SMTP,SSL/TLS, TCP/IP, Secure Real-Time Transport Protocol (SRTP), Bonjour, SNMP and Secure shell (SSH) supported protocol. RoHS, WEEE, ISO-14001 and REACH compliant, UL/EN OR equivalent BIS/TECH/STQC or any indian standards as applicable, CE, FCC certified. duly erected in position on wall/ceiling/false ceding/provided pole (mountingheight not more than 5 meter) etc with all accessories etc complete as per specification no. CCTV-CAM								
ITEM NO.364 Supplying & erecting of High definition 2 Megapixel IP IR Dome Camera with following features Image Sensor : minimum 1/2.8" Progressive Scan CMOS, Video Resolution : minimum 1920 x 1080 Video Compression : H.264, H.265 or higher, at least Three individually configurable stream, Frame rate : minimum 25 fps at all resolutions, WDR : minimum 120 dB Wide Dynamic Range, ONVIF profile conformant, minimum IR distance : 30m, Lens Type : 2.8/4/6 mm Lens, fixed focal, Field of View : 2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65°Lux sensitivity - minimum 0.2 Lux at color, minimum 0.05 Lux at Black & White, 0.0 Lux (IR) Night Vision Distance minimum IR - 30m. Camera minimum Adjustment Angles - Pan : 350°, Tilt : 72°, Rotate : 350°.Power Supply : Support 12VDC & PoE, IP67, IK10 - Vandal Resistant.	60	NOS	7896	473760	**7854**	**471240.0**	8250	495000

Built in micro SD/SDHC/SDXC card slot of minimum 128 GB, Built in microphone. minimum Input/Output - Audio in - 1, Audio Out - 1, Alarm in - 1, Alarm Out - 1. Image Settings : Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance. Image Enhancements : Day/Night-Auto (ICR)/Color/Black & White, 3D Digital Noise Reduction, Automatic White Balance, Automatic Gain Control, Backlight Compensation, Highlight Compensation. CSR 19-6-3								
Events : Privacy Masking, Motion detection, Scene change detection, Face capture, Video tampering, audio exception detection, Region entrance detection, Region exiting detection. Operating temperature (-30 to 60° C). Security - User account and password protection, HTTPS, IP filter, IEEE 802.1X, digest authentication, user access log, TLS1.2, AES - 256, SSH/Telnet closed, FTP disabled. Protocol - DHCP, UDP, HTTP, HTTPS, NTP, DNS, RTP, RTSP, SMTP, SSL/TLS, TCP/IP, Secure Real-Time Transport Protocol (SRTP), Bonjour, SNMP and Secure shell (SSH) supported protocol. RoHS, WEEE, ISO-14001 and REACH compliant, UL/EN OR equivalent BIS/TECH/STQC or any indian standards as applicable, CE, FCC certified. duly erected in position on wall/ceiling/false ceiling/provided pole (mounting height not more than 5 meter) etc with all accessories etc complete as per specification no. CCTV-CAM								
ITEM NO.365Supplying, installing, testing & commissioning of 32/40 Ch. Network VideoRecorder (NVR), suitable connect Min. 32 IP Cameras, up to 5 Megapixel Resolution, with HDMI/VGA outputs, provided HDMI output of 4K resolution or VGA output with output up to 1920 × 1080. Support H.265 or higher, H.264, MJPEG, Incoming Bandwidth 250Mbps with minimum 4 SATA Hard Disks, ANR Technology, 4 SATA interfaces for 4 HDDs and capacity of each HDD up to 8TB, minimum 02 USB port, Alarm I/O 16/4, RJ-45 10/100/ 1000 Mbps selfadaptiveEthernet interface, ONVIF conformance,Multiple network monitoring. Web viewer .support protocol TCP/IP, DHCP, DNS, DDNS, NTP, SADP, SMTP, NFS,iSCSI, UPnP™, HTTPS. RoHS, UL, CE, FCC certified duly erected in	2	NOS	45701	91402	**45460**	**90920.0**	47740	95480

provided U Rack with wiring connections, tagging andprogramming etc. complete as per specification no. CCTV-NVRCSR 19-6-15								
ITEM NO.366 Supplying, installing, testing & commissioning of 64/80 Ch Network Video Recorder (NVR), suitable connect Min 64 IP Cameras, up to 5 Megapixel Resolution, with HDMI 1/VGA 1 and HDMI 2/VGA 2 outputs provided, Atleast one HDMI output of 4K resolution, atleast one VGA output with output up to 1920 × 1080, Support H.265 or higher, H.264, MJPEG, Supports Redundant Dual Power, Incoming Bandwidth 320 Mbps with minimum 8 SATA Hard Disks, ANR Technology, 8 SATA interfaces for 8 HDDs and capacity of each HDD up to 8TB, minimum 02 USB port, Alarm I/O 16/4, RJ-45 10/100/ 1000 Mbps selfadaptive Ethernet interface, support multi brand network Cameras, ONVIF conformance, Multiple network monitoring. Web viewer . support protocol TCP/IP, DHCP, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS. RoHS, UL, CE, FCC certified. duly erected in provided U Rack with wiring connections, tagging and programming etc. complete as per specificationss no. CCTV-NVR CSR 19-6-17	2	NOS	96165	192330	**95658**	**191316.0**	100500	201000
ITEM NO.367 Supplying, erecting & terminating 10 m HDMI cord low voltage grade minimum 4k compliant to be laid in provided conduits with male/female 19pin HDMI connectors complete. CSR 19-1-23	2	NOS	4666	9332	**4641**	**9282.0**	4880	9760
ITEM NO.368 Supplying & erecting 8 TB internal Surveillance HDD suitable for SATA Port of NVR, interface transfer rate 6 GB/S, maximum sustained transfer rate 210 MB/Sec to 213 MB/S. Drive bay supported 08+, Cameras supported up to 64, Cache (MB) 256, Load/Unload Cycle -3000000, Work Load Rating per Year 180TB, MTBF 1000000 Hrs. HTTPS. RoHS, UL, CE certified, duly erected in position in provided NVR as per specification no. CCTV-HDD CSR 19-6-21	2	NOS	23848	47696	**23722**	**47444.0**	24910	49820
ITEM NO.369 Supplying & erecting 32" professional LED Monitor with 1920*1080 (Full B452HD) Display, suitable for 16 channel NVR and following features Brightness: minimum 250 Cd/m2	3	NOS	24197	72591	**24069**	**72207.0**	25280	75840

Contrast Ratio: minimum 1000:1 Viewing angle: 178/178 deg Response time: maximum 8 ms Inputs: HDMI, VGA, BNC, USB, Audio In, Built-in speakers maximum 2 W, Suitable to operate on 100-240 V 50 Hz AC supply and 24/7 Duty Cycle duly erected on wall or table top with standard accessories like wall mount stand and wiring connections etc. complete as per specifications no. CCTV-MON CSR 19-6-23								
ITEM NO.370 Supplying and fixing Cat 6, 24 port patch panel with keystone jacks compliant with ANSI/TIA/EIA 568.C.2 & ISO/IEC 11810 complete as per specification no. WG-NAS/PP CSR 19-5-4	3	NOS	11075	33225	**11017**	**33051.0**	11570	34710
ITEM NO.371Supplying and fixing 12 ports light guide unloaded interconnect unit, rack mounted type, with adapter panel for termination of optical fiber cables in provided U rack complete as per specification no. WG-NAS/ LIUCSR 19-5-6	3	NOS	5293	15879	**5265**	**15795.0**	5530	16590
ITEM NO.372 Supplying and fixing power distribution unit for networking rack comprises of 6/16A (6 Nos. sockets), 16A modular MCB, appropriate rating, enclosed in black powder coated metal with necessary arrangement for fixing complete. CSR 19-5-17	6	NOS	5298	31788	**5270**	**31620.0**	5540	33240
ITEM NO.373 Supplying and fixing 9U wall mount rack (Dimension-DxWxH – 500x550x480 mm) as per specification no. WG-NAS/RAK CSR 19-5-19	3	NOS	9666	28998	**9615**	**28845.0**	10100	30300
ITEM NO.374 Supplying and fixing 15U wall mount rack (Dimension-DxWxH – 500x550x747 mm) as per specification no. WG-NAS/RAK CSR 19-5-21	6	NOS	12921	77526	**12853**	**77118.0**	13500	81000
ITEM NO.375 Supplying and installing FR PVC sheathed HDPE insulated copper cat-6 cable suitable for networking compliant with ANSI/TIA-568.2-D standards in provided conduit/casing-n-capping as per specification no. WG-ELVC/NC CSR 19-3-1	3120	RM	57	177840	**57**	**177840.0**	60	187200
ITEM NO.376 Supplying and fixing 1 m 24 AWG multi stranded UTP patch cord with RJ-45 factory crimped connector of Cat 6 type, compliant ANSI/TIA-568.2-D standards in position as per specification no. WG-ELVC/PC CSR 19-3-16	20	NOS	244	4880	**243**	**4860.0**	260	5200
ITEM NO.377 Supplying and erecting 12 fibers LSZH armoured	100	RM	304	30400	**302**	**30200.0**	320	32000

multimode optical fiber cable with , core dia 50/125 µm (OM3), suitable upto 10 GBPS, compliant to IEC 60793/IEC 60794 standards, on wall/ceiling or laid in provided pipe/trench as per specification no. WG-ELVC/OFC CSR 19-3-11								
ITEM NO.378 Supplying and fixing SC/SC type multimode pigtails (OM3) for LIU to terminate OFC in LIU as per specification no. WG-NAS/LIU2 CSR 19-5-13	6	NOS	819	4914	**815**	**4890.0**	860	5160
ITEM NO.379 Supplying, fixing, and configuring 24-port 10/100M un-managed 10/100/1000 base-T gigabit switch compliant with IEEE 802.3 standards as per specification complete. CSR 19-4-16	2	NOS	10568	21136	**10512**	**21024.0**	11040	22080
ITEM NO.380 Supplying, fixing, and configuring 48 ports PoE managed gigabit switch 10/100/1000 Mbps + 4SFP+ ports & 2X10G RJ-45 ports compliant with IEEE 802.3 af/at standards, PoE budget 370W & supports OSPF/policy based routing/stacking erected in provided rack complete CSR 19-4-18	2	NOS	73850	147700	**73461**	**146922.0**	77140	154280
ITEM NO.381 Supplying and fixing of self expanding, ready to use polyurethane(PU) foam sealant of minimum 750ml bottle, suitable to seal the openings of all kinds of cables, pipes and cable support system in steel, aluminium and plastic profiles (except hollow core conductors). Sealant shall have minimum 2 hour fire rating , conforming to EN 1366-4 2021 as per specification no FF-FRS CSR 13-12-1	10	Each	1503	15030	**1495**	**14950.0**	1570	15700
ITEM NO.382Supplying, erecting & commissioning 2 pole RCCB 16/25A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW-RCCB/CSR 5-6-1	24	Each	2147	51528	**2136**	**51264.0**	2250	54000
ITEM NO.383 Supplying, erecting & commissioning 2 pole RCCB 40A, electromagnetic type with 30/100/300 mA sensitivity w CSR 5-6-2	10	Each	2339	23390	**2327**	**23270.0**	2450	24500
ITEM NO.384 Supplying, erecting & commissioning 2 pole RCCB 40A, electromagnetic type with 30/100/300 mA sensitivity w CSR 5-6-3	12	Each	2830	33960	**2815**	**33780.0**	2960	35520
ITEM NO.385 Supplying, erecting, testing and commissioning of 10HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM	2	NOS	304894	609788	**303287**	**606574.0**	318500	637000

standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000m operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete. CSR 3-11-3								
ITEM NO 386 Supplying, erecting, testing and commissioning of 14HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000 metre operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete. CSR 3-11-5	2	NOS	420150	840300	**417935**	**835870.0**	438900	877800
ITEM NO 387 Supplying, erecting, testing and commissioning of 22HP, VRF/VRV air conditioning	8	NOS	526272	4210176	**523497**	**4187976.0**	550000	4400000

system out door unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000 metre operation in cooling mode with inverter/ digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete. CSR 3-11-9								
ITEM NO 388AIR HANDLING UNITS / TREATED FRESH AIR HANDLING UNITS Supply ,Installation ,Testing and commissioning of Double Skin (Panel Thickness of 40mm+/- 2mm) with thermal break profile AHU complete with casing of hot dip G I Casing of thickness of 0.6 mm pre - coated and pre -plastisised G I for outer skin and 0.6 mm plain & G I for Inner Skin encasing with 40mm polyurethane foam insulation having a density of 40 Kg. / CuM factory injected between them by injection moulding machine with thermal break profile recirculating Air Handling Unit. AHU should be Floor Mounted / Ceiling suspended type with 1 /2 backward curved DIDW /plug fans ,with single stage filtration banks of MERV 8, 6/8 row deep DX coil, SS 304 insulated drain pan.The unit includes suitable (EFF-1) TEFC motor with IP52 protection, suitable for 415 +/- 10 % volt , 50 ±5% cycle , combined power supply variation of ±10%, 3 Phase AC supply , vibration isolators,Rubber pads(min 1 inch thick), canvas connection ,bulk head light,door limit switches, as per specification/datasheet. AHUs shall be fitted with GI VCD's (Volume Control Damper) for supply/return/fresh air / purge air opening of AHU body with	4	NOS	339289	1357156	**337500**	**1350000.0**	354400	1417600

canvass connection. All supporting GI hangers, MS angles, channels nut , bolts, washers etc. necessary for unit installation,starter panel as mentioned below shall be inclusive in the cost. Vendor to consider the suitable size of FRLS power cable from panel to unit in scope of supply. All AHUs shall be suitable for Static Pressure as mentioned below. ESP mentioned in BOQ is indicative. However contractor to calculate ESP before bidding and quote accordingly. All AHU Shall equipped with AHU Expansion valve kits suitable to function with VRF system.								
The Starter panel shall be DOL/Star delta as per the motor Kw which shall include (a) Suitable rating incoming MCCB/MCB, (b) Suitable rating AC-3 duty contactor(s), (c) overload relay with built-in single phasing preventer, (d) star delta timer (For S/D starters), (e)digital voltmeter, ammeter, selector switches, CTs & control MCBs, (f) Phase indicating lights & control MCBs, (g) Push buttons for manual start/stop of motor, ON status indicating light for starter with control MCB, (h) Minimum 2 pole auto/manual selector switch 2 NO + 2 NC potential free aux. contacts for use by Building automation system (i) Time delay relay for delayed restart of motor (j) 200-220/24V control power transformer (k) Interlocking terminals & control wiring for fire damper, motorized dampers etc. as per control scheme from panel to damper etc. Including suitable Power cabling & double run earthing from starter panel to equipments up to 15 mtrs length. All should be as mentioned in tender specifications. Cost of starter panel along with power control cabling, earthing ,cable tray etc. upto 15 meter length as mentioned below shall be inclusive in the AHU cost.(expansion kit for AHU)								
Main Arena AHU -20 TR / 6500 CFM / ESP 40MM Approved MR								
ITEM NO 389 Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way cassette room/indoor unit (IDU-compact / standard size) of nominal cooling capacity 3.0TR (1100 cfm) to 3.2TR (1165 cfm) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades from sides. IDU with drainage arrangements, fan, refrigerant liquid and refrigerant piping, cordless remote control, and	27	NOS	39660	1070820	**39451**	**1065177.0**	41430	1118610

fresh air port etc. IDU shall have anticorrosive coating suitable for costal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation. CSR-3-11-22								
ITEM NO 390Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way cassette room/indoor unit (IDU-compact / standard size) of nominal cooling capacity 2.6TR (918 cfm) to 2.8TR (1100 cfm) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades from sides. IDU with drainage arrangements, fan, refrigerant liquid and refrigerant piping, cordless remote control, and fresh air port etc. IDU shall have anticorrosive coating suitable for costal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation.CSR 3-11-21	4	NOS	39053	156212	**38847**	**155388.0**	40790	163160
ITEM NO 391 Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way cassette room/indoor unit (IDU-compact/standard size) of nominal cooling capacity 1.5TR (512 cfm) to 1.8TR (618 cfm) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades from sides. IDU with drainage arrangements, fan, refrigerant liquid and refrigerant piping, cordless remote control, and fresh air port etc. IDU shall have anticorrosive coating suitable for costal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation. CSR 3-11-19	3	NOS	37839	113517	**37640**	**112920.0**	39530	118590
ITEM NO 392 Supply, installation, testing and commissioning of VRF/VRV based Hi-wall type indoor unit (IDU) of nominal cooling capacity 1.3TR (421 cfm) to 1.7TR (586 cfm) having EER as per BEE standards and specifications with multiple speed evaporator fan with motor, copper tube aluminium fin evaporator coil, washable air filter, insulated drain tray, expansion device, cordless remote control with necessary controls, with 3-core copper	9	NOS	23377	210393	**23254**	**209286.0**	24420	219780

flexible cord of required length and electrical terminal to receive power supply, etc. IDU shall have anticorrosive coating suitable for coastal area. Unit shall be suitable for indoor wall mounting, having an electronic control console, provided with suitable mounting brackets with any additional refrigerant and oil charge as per the requirement during installation, connected to the system complete. CSR 3-11-15								
ITEM NO 393 Supply, installation, testing and commissioning of VRF/VRV based Hi-wall type room/indoor unit (IDU) of nominal cooling capacity 1.0TR (358 cfm) to 1.25TR (417 cfm) having EER as per BEE standards and specifications with multiple speed evaporator fan with motor, copper tube aluminium fin evaporator coil, washable air filter, insulated drain tray, in built drain pump, expansion device, cordless remote control with necessary controls and electrical terminal to receive power supply, etc. IDU shall have anti-corrosive coating suitable for costal area. Unit shall be of decorative slim dimension suitable indoor wall mounting. The indoor unit shall also have an electronic control console. The unit shall be suitable for wall mounting and provided with suitable mounting brackets with any additional refrigerant and oil charge as per requirement during installation complete. CSR 3-11-14	7	NOS	21557	150899	**21443**	**150101.0**	22520	157640
ITEM NO 394 Supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 41.3mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-89	320	RMT.	2676	856320	**2662**	**851840.0**	2800	896000
ITEM NO 395Supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 34.9mm dia (OD) for liquid line/suction line supply and return piping of suitable	350	RMT.	2500	875000	**2487**	**870450.0**	2620	917000

gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete CSR 3-11-90								
ITEM NO 396 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 28 6mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-91	350	RMT.	2448	856800	**2435**	**852250.0**	2560	896000
ITEM NO 397 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 22 2mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiation with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-92	250	RMT.	1643	410750	**1634**	**408500.0**	1720	430000
ITEM NO 398 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 19.1mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for	225	RMT.	1279	287775	**1272**	**286200.0**	1340	301500

refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19 mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete CSR 3-11-93								
ITEM NO 399 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 15.9 mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete CSR 3-11-94	225	RMT.	1125	253125	**1119**	**251775.0**	1180	265500
ITEM NO 400 Supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 12.7mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete CSR 3-11-95	255	RMT.	835	212925	**831**	**211905.0**	880	224400
ITEM NO 401 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 9.5 mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers,	260	RMT.	704	183040	**700**	**182000.0**	740	192400

clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-96								
ITEM NO 402 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 6.4 mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-97	260	RMT.	547	142220	**544**	**141440.0**	580	150800
ITEM NO 403 Supplying and installation of high pressure grade required size copper connection Y or T-Joints/refnut complete erected on wall/ceiling with supports/raceways, Nitrile rubber insulation, painting etc. with brazing and testing for leakages confirming the normal operation of the VRV/VRF air conditioning system. CSR 3-11-86	72	NOS.	6177	444744	**6144**	**442368.0**	6460	465120
ITEM NO 404 Providing and fixing on walls/ ceiling/ floor 50mm dia.CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. SSR 42.60	100	RMT.	782	78200	**778.05**	**77805.0**	820	82000
ITEM NO 405 Providing and fixing on walls /ceiling/ floor 40mm dia.CPVC pipe with necessary fittings,remaking good the demolished portion etc. complete. Pipeline if necessar yand conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.59	140	RMT.	569	79660	**565.95**	**79233.0**	600	84000
ITEM NO 406 Providing and fixing on walls/ ceiling/ floor 32mm dia.CPVC pipe with necessary fittings,remaking good the demolished portion etc. complete. Including removing existing pipeline if necessary	160	RMT.	455	72800	**452.55**	**72408.0**	480	76800

and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.58								
ITEM NO 407 Providing and fixing on walls/ ceiling/ floor 25mm dia CPVC pip ewith necessary fittings,remaking good the demolished portion etc. complete.Including removing existing pipeline if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.57	250	RMT.	396	99000	**393.75**	**98437.5**	420	105000
ITEM NO 408 Supplying, erecting, testing & commisioning GI sheet 0.6 mm (24 SWG) having zinc coating of 275 microns with galvanization process compliance to IS 2629:1985 to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, riveting etc. and painting with one coat of red lead paint and 2 coats of enamel paint as per specification no. CP/SH/CR (For AC duct)CSR. 6-1-2	800	Sq.m	1490	1192000	**1482**	**1185600.0**	1560	1248000
ITEM NO 409 Supplying, erecting, testing & commissioning GI sheet 0.8 mm (22 SWG) having zinc coating of 275 microns with galvanization process compliance to IS 2629:1985 to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, riveting etc. and painting with one coat of red lead paint and 2 coats of enamel paint as per specification no. CP/SH/CR (For AC duct) CSR 6-1-3	115	Sq.m	1511	173765	**1503**	**172845.0**	1580	181700
ITEM NO 410 Supply, fabrication, installation an testing of flexible canvass connections constructed between ductable unit/dampers/ducting of suitable size with fire resist flexible double canvas sleeve complete. CSR 3-11-82	22	NOS	2968	65296	**2952**	**64944.0**	3100	68200
ITEM NO 411 Duct Thermal & Underdeck Insulation: Providing adhesive thermal insulation for supply return air duct with 19mm nitrile rubber insulation having R-value as per the prevailing provisions in ECBC 2007. CSR 3-11-83	1600	Sq.m	1054	1686400	**1048**	**1676800.0**	1110	1776000
ITEM NO 412 Providing and applying of acoustic insulation for air ducts with 25mm thick, 48kg/cu.m fiber glass faced with RP tissue and covered with 26SWG perforated aluminium sheets complete. CSR 3-11-84	50	Sq.m	1197	59850	**1191**	**59550.0**	1260	63000
ITEM NO 413 Supplying and erecting aluminium powder coated linear grill of suitable size for	150	JOB	1371	205650	**1364**	**204600.0**	1440	216000

width length without collar dampers having matching colour with the existing false ceiling and suitable for deflection of 15/30/45°. CSR 3-11-88								
ITEM NO 414 Supply, installation, testing and commissioning of volume control box with collar for control damper of required sizes in GI construction with operating mechanism, mounting arrangement, rubber refrigerant kits etc. complete. CSR 3-11-81	10	NOS.	6298	62980	**6265**	**62650.0**	6580	65800
ITEM NO 415 Supply, installation, testing and commissioning of manually operated, opposed blade, duct mounted, flanged volume control dampers of required sizes in GI construction with operating mechanism, mounting arrangement, rubber refrigerant kits etc. complete. CSR 3-11-80	6	Sq.m	6585	39510	**6550**	**39300.0**	6880	41280
ITEM NO 416 Supply, installation, testing and commissioning of Extruded Aluminium Construction powder coated Jet nozzle (201-400 cfm) Approved MR	1	nos	4775	4775	**4750**	**4750.0**	4990	4990
ITEM NO 417 Supply, installation, testing and commissioning of Extruded Aluminium Construction powder coated Jet nozzle (401-600 cfm) Approved MR	50	nos	5529	276450	**5500**	**275000.0**	5780	289000
ITEM NO 418 Supply, installation, testing and commissioning of Extruded Aluminium Construction powder coated Jet nozzle (601-800 cfm) Approved MR	1	nos	6534	6534	**6500**	**6500.0**	6830	6830
ITEM NO 419 Supplying and erecting iron work, sheet metal work consisting of MS sheets,various sections of iron, plates, chequered plates, rods, bars, MS pipes, etc. for panel board or any other purpose with bending, cutting, drilling and welding complete erected at the position with necessary materials duly painted with one coat of red oxide and two coats of enamel paint to match the switchgears or as per directions by the site engineer (FOR OUT DOOR UNIT) CSR 6-1-19	600	KG.	197	118200	**196**	**117600.0**	210	126000
ITEM NO 420 Supplying, erecting, testing and commissioning centralised programmable remote control panel (HMI) touch manager controls minimum 16 system of 64 ODU's can be controlled and up to 992 IDU's can be individually mounted and controlled indoor units having colour min 200mm size LCD touch panel, yearly schedule, power proportional distribution function, temperature limitation, history function complete erected on wall	3	NOS.	48801	146403	**48544**	**145632.0**	50980	152940

integrated with provided fire alarm system. CSR 3-11-79								
ITEM NO 421 Inline fans: Supplying, erecting, testing & commissioning fresh air intake system, ductable circular inline fresh air fan inlet unit having 300cfm capacity with maintaining the static pressure minimum 20mm suitable to operate on 1 phase, 230V, 50Hz, A.C. supply complete. CSR 3-11-60	22	NOS.	5296	116512	**5268**	**115896.0**	5540	121880
ITEM NO 422 Inline fans: Supplying, erecting, testing & commissioning fresh air intake system, ductable circular inline fresh air fan inlet unit having 1000cfm capacity with maintaining the static pressure minimum 20mm suitable to operate on 1ph, 230 V, 50Hz, A.C. supply complete. CSR 3-11-61	2	NOS.	15968	31936	**15884**	**31768.0**	16680	33360
ITEM NO 423 Propeller Fan: Supplying and erecting exhaust fan heavy duty 230 V A.C. 50 cycles 450 mm. 900 RPM complete erected in position as per specification no. FG-FN/EXF CSR 2-9-17	7	NOS.	5380	37660	**5352**	**37464.0**	5620	39340
ITEM NO 424 Propeller Fan: Supplying and erecting exhaust fan heavy duty 230 V A.C. 50 cycles 375/380 mm. 900 RPM complete erected in position as per specification no. FG-FN/EXF CSR 2-9-14	2	NOS.	3460	6920	**3442**	**6884.0**	3620	7240
ITEM NO 425 Supplying and erecting PVC insulated PVC round sheathed FR 1 sq mm (32 no. x 0.20mm dia.) 3 core flexible multi stranded copper industrial cable for voltage grade up to 1.1 Kv (Control cable) CSR 1-3-13	300	RMT.	50	15000	**50**	**15000.0**	60	18000
ITEM NO 426 Supplying ande recting HMS PVC conduit 20mmdia with PVC accessories on wall/ceiling as per specification no. WG-MA/CON. CSR 1-2-3	300	RMT.	84	25200	**84**	**25200.0**	90	27000
ITEM NO 427 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 6 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-32	350	RMT.	400	140000	**398**	**139300.0**	420	147000
ITEM NO 428 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 10 sq. mm. copper conductor complete erected with glands & lugs, on wall/	200	RMT.	608	121600	**605**	**121000.0**	640	128000

trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CUCSR 7-2-33								
ITEM NO 429 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4•core 16 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-34	60	RMT.	872	52320	**867**	**52020.0**	920	55200
ITEM NO 430 Providing & erecting hot dipped galvanised perforated type cable tray manufactured from16SWG GI sheet of 300mm width & 75mm height complete with necessary coupler plates & hardware. CSR 7-11-8	80	RMT.	850	68000	**846**	**67680.0**	890	71200
ITEM NO 431 Providing & erecting hot dipped galvanised perforated type cable tray manufactured from16SWG GI sheet of 150mm width & 75mm height complete with necessary coupler plates & hardware CSR 7-11-6	250	RMT.	593	148250	**590**	**147500.0**	620	155000
ITEM NO 432 Supplying & erecting mains with 2x1.5 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places as per specification no. WG-MA/BW (earth wire for earthing of trays) CSR 1-3-1	80	RMT.	46	3680	**46**	**3680.0**	50	4000
ITEM NO 433 Supplying, erecting, testing and commissioning of 18HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56°C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000 metre operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant	1	NOS	475710	475710	**473202**	**473202.0**	496900	496900

piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete. CSR 3-11-7								
ITEM NO 434 Supplying, erecting, testing and commissioning of 20HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100%capacity at 47° C, non stop cooling even at 56°C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longerpiping range upto 1000 metre operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooledcondenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weatherproof cabinet complete CSR 3-11-8	5	NOS	504872	2524360	**502210**	**2511050.0**	528000	2640000
ITEM NO 435 Supply, installation, testing and commissioning of VRF/VRV based Hi-wall type indoor unit (IDU) of nominal cooling capacity 1.8TR (594 cfm) to 2.2TR (655 cfm) having EER as per BEE standards and specifications with multiple speed evaporator fan with motor, copper tube aluminium fin evaporator coil, washable air filter, insulated drain tray, expansion device, cordless remote control with necessary controls, with 3-core copper flexible cord of required length and electrical terminal to receive power supply, etc. IDU shall have anticorrosive coating suitable for coastal area. Unit shall be suitable for indoor wall mounting, having an electronic control console, provided with suitable mounting brackets with any additional refrigerant and oil charge as per the requirement during installation, connected to the system complete. CSR 3-11-16	2	NOS	31389	62778	**31224**	**62448.0**	32790	65580
ITEM NO 436 Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way cassette room/indoor unit	1	NOS	35412	35412	**35225**	**35225.0**	36990	36990

(IDU-compact/standard size) of nominal cooling capacity 1.0TR (441 cfm) to 1.3TR (512 cfm) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades from sides. IDU with drainage arrangements, fan, refrigerant liquid and refrigerant piping, cordless remote control, and fresh air port etc. IDU shall have anti corrosive coating suitable for coastal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation. CSR 3-11-18								
ITEM NO 437 Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way cassette room/indoor unit (IDU-compact/standard size) of nominal cooling capacity 1.5TR (512 cfm) to 1.8TR (618 cfm) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades from sides. IDU with drainage arrangements, fan, refrigerant liquid and refrigerant piping, cordless remote control, and fresh air port etc. IDU shall have anti corrosive coating suitable for coastal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation. CSR 3-11-19	3	NOS	37839	113517	**37640**	**112920.0**	39530	118590
ITEM NO 438 Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way cassette room/indoor unit (IDU-compact/standard size) of nominal cooling capacity 2.0TR (618 cfm) to 2.3TR (671 cfm) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades from sides. IDU with drainage arrangements, fan, refrigerant liquid and refrigerant piping, cordless remote control, and fresh air port etc. IDU shall have anti corrosive coating suitable for coastal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation.CSR 3-11-20	4	NOS	38203	152812	**38002**	**152008.0**	39910	159640
ITEM NO 439 Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way	5	NOS	39053	195265	**38847**	**194235.0**	40790	203950

cassette room/indoor unit (IDU-compact / standard size) of nominal cooling capacity 2.6TR (918 cfm) to 2.8TR (1100 cfm) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades from sides. IDU with drainage arrangements, fan, refrigerant liquid and refrigerant piping, cordless remote control, and fresh air port etc. IDU shall have anti corrosive coating suitable for coastal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation CSR 3-11-21								
ITEM NO 440 Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way cassette room/indoor unit (IDU-compact / standard size) of nominal cooling capacity 3.0TR (1100 cfm) to 3.2TR (1165 cfm) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades from sides. IDU with drainage arrangements, fan, refrigerant liquid and refrigerant piping, cordless remote control, and fresh air port etc. IDU shall have anti corrosive coating suitable for coastal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation. CSR 3-11-22	1	NOS	39660	39660	**39451**	**39451.0**	41430	41430
ITEM NO 441 Supplying and installation of high pressure grade required size copper connection Y or T-Joints/refnet complete erected on wall/ceiling with supports/raceways, Nitrile rubber insulation, painting etc. with brazing and testing for leakages confirming the normal operation of the VRV/VRF air conditioning system. CSR 3-11-86	31	NOS	6177	191487	**6144**	**190464.0**	6460	200260
ITEM NO 442 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 6.4mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with	26	MTR	547	14222	**544**	**14144.0**	580	15080

insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultraviolet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-97								
ITEM NO 443 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 9.5 mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers withinsulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultraviolet radiations withOEM standards of VRV/VRF air conditioning system complete CSR 3-11-96	152	MTR	704	107008	**700**	**106400.0**	740	112480
ITEM NO 444 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 12.7mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultraviolet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-95	34	MTR	835	28390	**831**	**28254.0**	880	29920
ITEM NO 445 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 15.9 mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with	125	MTR	1125	140625	**1119**	**139875.0**	1180	147500

insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultraviolet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-94								
ITEM NO 446 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 19.1mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19 mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages,fungal growth, flame spread, water permeance and ultraviolet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-93	122	MTR	1279	156038	**1272**	**155184.0**	1340	163480
ITEM NO 447 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 22.2mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultraviolet radiation with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-92	77	MTR	1643	126511	**1634**	**125818.0**	1720	132440
ITEM NO 448 supplying, laying/fixing, testing and commissioning of appropriate nominalrefrigerant copper pipe of 28.6mm dia (OD) for liquid line/suction line supplyand return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps,vibration isolators and	85	MTR	2448	208080	**2435**	**206975.0**	2560	217600

fittings such as bends, tees, valves, gauges, strainers withinsulation of 19mm thick elastomeric nitrile rubber along with application ofmulticoating of VRV/VRF piping for protection against mechanical damages,fungal growth, flame spread, water permeance and ultra violet radiations withOEM standards of VRV/VRF air conditioning system complete CSR 3-11-91								
ITEM NO 449 Supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 34.9mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete CSR 3-11-90	35	MTR	2500	87500	**2487**	**87045.0**	2620	91700
ITEM NO 450 Supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 41.3mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete CSR 3-11-89	72	MTR	2676	192672	**2662**	**191664.0**	2800	201600
ITEM NO 451 Supply,erecting and terminating FRLS XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 3core 2.5 sqmm copper conductor complete erected with the glands and lugs, on wall/trusses/pole or laid in provided trench/ pipe as per specification no. CB-	130	MTR	176	22880	**175**	**22750.0**	190	24700

LT/CU CSR 7-2-14								
ITEM NO 452 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 35 sq mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-36	45	MTR	1899	85455	**1889**	**85005.0**	1990	89550
ITEM NO 453Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 2 core 2.5 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CUCSR 7-2-8	320	MTR	147	47040	**146**	**46720.0**	160	51200
ITEM NO 454 Supplying and erecting 25mm dia. corrugated flexible polypropylene conduit CSR 1-2-2	180	MTR	19	3420	**19**	**3420.0**	20	3600
ITEM NO 455 Supplying and erecting exhaust fan heavy duty 230 V A.C. 50 cycles 450 mm 900 RPM complete erected in position as per specification no. FG-FN/EXF CSR 2-9-16	2	NOS	4958	9916	**4932**	**9864.0**	5180	10360
ITEM NO 456 Supplying and installing of collar damper of galvanised iron material of upto 120 microns for anti corrosive resistance for supply air grill of suitable size CSR 3-11-87	7	SQM TR	6985	48895	**6948**	**48636.0**	7300	51100
ITEM NO 457 Supplying and erecting aluminium powder coated linear grill of suitable size for width length without collar dampers having matching colour with the existing false ceiling and suitable for deflection of 15/30/45°. CSR 3-11-88	7	JOB	1371	9597	**1364**	**9548.0**	1440	10080
ITEM NO 458 Providing vaccumising the airconditioner system to 200 micron and charging with refrigerant R32 for AC unit CSR 3-10-24	40	KG	1188	47520	**1182**	**47280.0**	1250	50000
ITEM NO 459 Providing & erecting hot dipped galvanised ladder type cable tray manufactured from 16 SWG (1.6 mm thick) GI sheet of 150 mm width & 75 mm height complete with necessary coupler plates & hardware. CSR 7-11-6	200	MTR	593	118600	**590**	**118000.0**	620	124000
ITEM NO 460 Supplying, erecting, testing and commissioning of 14HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green	1	NOS	420150	420150	**417935**	**417935.0**	438900	438900

equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000 metre operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete CSR 3-11-5								
ITEM NO 461 Supplying, erecting, testing and commissioning of 22HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000 metre operation in cooling mode with inverter/ digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete CSR 3-11-9	1	NOS	526272	526272	**523497**	**523497.0**	550000	550000
ITEM NO 462 Supply, installation, testing and commissioning of VRV / VRF based ductable type, high static room/indoor unit (IDU) having nominal cooling capacity of 5.1TR (2040 cfm) to 6.0TR 2400 cfm) having EER as per	1	NOS	59110	59110	**58798**	**58798.0**	61740	61740

BEE standards and specifications with evaporator fan with motor, copper tube aluminium fin evaporator coil, washable air filter, insulated drain tray, in built drain pump, expansion device, cordless remote control with necessary controls and electrical terminal to receive power supply, etc. having anti-corrosive coating suitable for coastal area and decorative slim dimension suitable for ceiling suspended arrangement with an electronic control console and any additional refrigerant and oil charge as per requirement during installation complete. CSR 3-11-55								
ITEM NO 463 Supply, installation, test ing and commissioning of VRV / VRF based ductable type, high static room/indoor unit (IDU) having nominal cooling capacity of 8.0TR (3200 cfm) having EER as per BEE standards and specifications with evaporator fan with motor, copper tube aluminium fin evaporator coil, washable air filter, insulated drain tray, in built drain pump, expansion device,cordless remote control with necessary controls and electrical terminal to receive power supply, etc. having anti-corrosive coating suitable for coastal area and decorative slim dimension suitable for ceiling suspended arrangement with an electronic control console and any additional refrigerant and oil charge as per requirement during installation complete. CSR 3-11-56	11	NOS	64934	714274	**64592**	**710512.0**	67830	746130
ITEM NO 464 Supplying and erecting circular flexible/rigid PVC pipe duct of size 150mm dia, 4mm thickness with required couplers, reducers, T-joints, Y-joints elbows and necessary supports etc. with sealing with provided control/air flow regulating valves/dampers, filters at position complete. CSR 3-11-66	30	MTR	3567	107010	**3548**	**106440.0**	3730	111900
ITEM NO 465 Supplying and erecting circular flexible/rigid PVC pipe duct of size 200mm dia, 4mm thickness with required couplers, reducers, T-joints, Y-joints elbows and necessary supports etc. with sealing with provided control/air flow regulating valves/dampers, filters at position complete. CSR 3-11-67	25	MTR	3956	98900	**3935**	**98375.0**	4140	103500
ITEM NO 466 Supplying, erecting, testing & commissioning GI sheet 1 mm (20 SWG) having zinc coating of 275 microns with galvanization process compliance to IS 2629:1985 to be used for fabrication of boxes panel boards etc.	15	SMT	2090	31350	**2079**	**31185.0**	2190	32850

including cutting, bending, drilling, welding, riveting etc. and painting with one coat of red lead paint and 2 coats of e namel paint as per specification no. CSR 6-1-4								
ITEM NO 467 Supplying, installing, testing & commissioning cassette type variable speed inverter technology with minimum 3 to 1 convertible mode for compressor room Air conditioning unit 1.8TR to 2.1TR capacity having ISEER minimum5.00 suitable to operate on 250V, 50 Hz, A.C. supply having 1 no of air handling unit hi-wall/floor mounting type complete with refrigerant R32/R410A having copper condensor,dust filter, self diagnosis feature, stabilizer free operation, noiselevel maximum 50dBA at position as per specification no. AP-AC/ WAC/CSR 3-2-18	2	NOS	92502	185004	**92014**	**184028.0**	96620	193240
ITEM NO 468 Supplying and erecting G I pipe 'C' class ERW 200 mm dia with necessary fittings duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003) complete as per specification no. FF-PP				0				0
200mm dia CSR 13-6-10	80	NOS.	3650	292000	**3631**	**290480.0**	3820	305600
150mm dia CSR 13-6-9	150	NOS.	2476	371400	**2463**	**369450.0**	2590	388500
100mm dia CSR 13-6-8	333	NOS.	1649	549117	**1640**	**546120.0**	1730	576090
80mm dia CSR 13-6-7	100	NOS.	1170	117000	**1164**	**116400.0**	1230	123000
65mm dia CSR 13-6-6	100	NOS.	921	92100	**916**	**91600.0**	970	97000
50mm dia CSR 13-6-5	125	NOS.	723	90375	**719**	**89875.0**	760	95000
40mm dia CSR 13-6-4	60	NOS.	476	28560	**473**	**28380.0**	500	30000
32mm dia CSR 13-6-3	30	NOS.	428	12840	**426**	**12780.0**	450	13500
25mm dia CSR 13-6-2	300	NOS.	365	109500	**363**	**108900.0**	390	117000
ITEM NO 469 Supplying and erecting stainless steel single outlet hydrant valve fitted with necessary accessories complete as per specification no. FF-VL/HV CSR 13-7-36	6	NOS.	6122	36732	**6090**	**36540.0**	6400	38400
ITEM NO 470 Supplying and installing wall mounting swinging hose reel drum fitted with 19 mm dia 30m long high pressure polypropylene (Polyhose) alongwith necessary accessories complete as per specification no. FF-FFA/HV CSR 13-8-2	6	NOS.	7060	42360	**7023**	**42138.0**	7380	44280
ITEM NO 471 Supplying and erecting 63mmdia, reinforced rubber lined (R.R.L.) hose pipe, 15m	12	NOS.	5520	66240	**5491**	**65892.0**	5770	69240

in length, fitted with necessary accessories complete as per specification no. FF-FFA/RRL CSR 13-8-4								
ITEM NO.472 Supplying and erecting gunmetal branch pipe of 63 mm dia fitted with 20 mm dia detachable hexagonal nozzle complete as per specificationno FF FFA/NZ CSR 13-8-7	6	NOS.	2034	12204	**2023**	**12138.0**	2130	12780
ITEM NO.473 Supplying and erecting brass orifice plate having 6 mm. thickness, 160 mm outer dia with required diameter of inner hole at every double outlet hydrant valve as per specification no. FF-FFA/OP CSR 13-8-17	2	NOS.	1081	2162	**1075**	**2150.0**	1130	2260
ITEM NO.474 Supplying and erecting M.S./CRCA cabinet for housing Floor Hydrant valve, hose pipe, hose reel and branch pipe (size 1000 x 736 x 736 mm) made from 16 SWG sheet and angle iron 25 x 25 x 4 mm. having front doors with viewing glass (8"x6") and locking arrangement with necessary fixing material such as rubber bidding etc. duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003) CSR 13-8-20	6	NOS.	16748	100488	**16660**	**99960.0**	17500	105000
ITEM NO.475 Supplying and erecting 300mmdia 1.5m in height air vessel / tank fabricated frommin 5mmthickM.S. sheet completeas perspecification no. FF-FFA/ACT CSR 13-8-12	2	NOS.	13166	26332	**13097**	**26194.0**	13760	27520
ITEM NO.476 Providing coating of bitumen paint & pipeline corrosion resistant Pypkote tape conforming to IS 10221 Appendix B specification having 4mm thick wrapping for underground 100 mm ring main of fire fighting system. (Pypkote tape comprises of a Tar based Polymeric mix supported on a fabric of high tensile strength Fibreglass). CSR 13-6-11	60	m	263	15780	**262**	**15720.0**	280	16800
ITEM NO.477 Providing coating of bitumen paint & pipeline corrosion resistant Pypkote tape conforming to IS 10221 Appendix B specification having 4mm thick wrapping for underground 150 mm ring main of fire fighting system (Pypkote tape comprises of a Tar based Polymeric mix supported on a fabric of high tensile strength Fibreglass). CSR 13-6-12	60	m	366	21960	**364**	**21840.0**	390	23400
ITEM NO.478 Supplying and erecting 20/25mmdiagunmetal air release cock, with necessaryG.I. couplingtobefittedontopofairvessleoronwetriser complete as	4	NOS.	889	3556	**884**	**3536.0**	930	3720

per specification no. FF-FFA/ARV CSR 13-8-13								
ITEM NO 479 Supply inganderecting Ball Valve complete with PN16 pressurerating, as per specification no. FF-VL/BV				0				0
a)50 mm dia CSR 13-7-41	4	NOS.	3406	13624	**3388**	**13552.0**	3560	14240
b)32 mm dia CSR 13-7-40	2	NOS.	2446	4892	**2433**	**4866.0**	2560	5120
C)25 mm dia CSR 13-7-39	4	NOS.	1483	5932	**1475**	**5900.0**	1550	6200
ITEM NO 480 Supplying and erecting cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FF-VL/BFV				0				0
a)200 mm dia CSR 13-7-22	2	NOS.	10340	20680	**10285**	**20570.0**	10800	21600
b)150 mm dia CSR 13-7-21	4	NOS.	6450	25800	**6416**	**25664.0**	6740	26960
C)100 mm dia CSR 13-7-20	4	NOS.	4340	17360	**4317**	**17268.0**	4540	18160
d)80 mm dia CSR13-7-19	4	NOS.	3239	12956	**3222**	**12888.0**	3390	13560
e)65 mm dia CSR 13-7-18	2	NOS.	2723	5446	**2709**	**5418.0**	2850	5700
f)50 mm dia CSR 13-7-17	2	NOS.	2521	5042	**2508**	**5016.0**	2640	5280
ITEM NO 481 Supplying, erecting, testing and commissioning vane type water flow detector 75/80 mm dia. with 1) Visual switch activation 2) Rugged switch assembly 3) Heavy duty aluminium pipe saddles 4)Durable metal enclosure 5) Steel U bolts for secure mounting 6) Two SPDT (Single pole double track) synchronised switches 7) serviceable without draining pipes. as per specification no. FF SPR/WFD CSR 13-11-4	2	NOS.	7523	15046	**7483**	**14966.0**	7860	15720
ITEM NO 482 Supplying, erecting, testing and commissioning vane type water flow detector 100 mm dia. with 1) Visual switch activation 2) Rugged switch assembly 3) Heavy duty aluminium pipe saddles 4)Durable metal enclosure 5) Steel U bolts for secure mounting 6) Two SPDT (Single pole double track) synchronised switches 7) serviceable without draining pipes. as per specification no. FF SPR/WFD CSR 13-11-5	4	NOS.	8801	35204	**8755**	**35020.0**	9200	36800
ITEM NO 483 Supplying, erecting, testing and commissioning of Upright/ Pendent quartzoid bulb sprinkler, 15 mm (½") dia NBCM Body chrome finished, 68° C fixed temperature rating with deflector disc of conventional construction complete as per specification no. FF-SPR /UPCSR 13-11-1	225	NOS.	450	101250	**448**	**100800.0**	480	108000
ITEM NO 484 Supplying, erecting, testing and commissioning of horizontal sidewall quartzoid bulb sprinkler, 15 mm (½") dia	25	NOS.	498	12450	**495**	**12375.0**	520	13000

quartzoid bulb. NBCM Body chrome finished, 68° C fixed temperature rating with deflector disc of conventional construction complete as per specification no. FF-SPR/SS CSR 13-11-2								
ITEM NO.485 Supplying, erecting, testing and commissioning of concealed quartzoid bulb sprinkler, 15 mm (½") dia quartzoid bulb. NBCM Body chrome finished, 68° C fixed temperature rating with deflector disc of conventional construction complete as per specification no. FF-SPR/CON CSR 13-11-3	5	NOS.	1183	5915	**1177**	**5885.0**	1240	6200
ITEM NO.486 Supplying erecting, testing and commissioning of sprinkler flexible pipe of stainless steel complete with 15 NPT on reducer thread with maximum working pressure of 175 PSI test pressure of 875 PSI (Burst) with branch line (Inlet) 25mm NPT male thread to sprinkler head (Outlet) 15mm NPT female thread with reducer, nipple, 2 side brackets, center bracket, stockbar of 1000 mm size (UL Listed) complete as required as per specification no. FF-SPR/FHP CSR 13-11-7	250	NOS.	670	167500	**666**	**166500.0**	700	175000
ITEM NO.487 Supplying erecting, testing and commissioning of sprinkler flexible pipe of stainless steel complete with 15 NPT on reducer thread with maximum working pressure of 175 PSI test pressure of 875 PSI (Burst) with branch line (Inlet) 25mm NPT male thread to sprinkler head (Outlet) 15mm NPT female thread with reducer, nipple, 2 side brackets, center bracket, stockbar of 1200 mm size (UL Listed) complete as required as per specification no. FF-SPR/FHP CSR 13-11-8	50	NOS.	709	35450	**705**	**35250.0**	750	37500
ITEM NO.488 Supplyinganderecting, testing and commissioning of 100mm dia. installation control valve(Alarm Valve) of cast ironbody, brass/bronzeworking parts comprising of water motor alarm, bronze seat clapper, clapper arm and hydraulically driven mechanical gongbell tosound continuous alarm when the wetriser/sprinkle rsystemactivates,pressure gauges,emergency releases,strainer, pressure switch,cock valve complete with drainvalvean dbypass, testcontrol box, ball valves, MS pipes of required size, flanges, orifice plate, gasket etc. complete as per specification no. FF-VL/ICV CSR 13-7-42	2	NOS.	33738	67476	**33560**	**67120.0**	35240	70480
ITEM NO.489 Supplyinganderecting, testing and commissioning of 150mm	2	NOS.	39350	78700	**39143**	**78286.0**	41110	82220

dia. installation control valve(Alarm Valve) of cast ironbody, brass/bronzeworking parts comprising of water motor alarm, bronze seat clapper, clapper arm and hydraulically driven mechanical gongbell tosound continuous alarm when the wetriser/sprinkle rsystemactivates,pressure gauges,emergency releases,strainer, pressure switch,cock valve complete with drainvalvean dbypass, testcontrol box, ball valves, MS pipes of required size, flanges, orifice plate, gasket etc. complete as per specification no. FF-VL/ICV CSR 13-7-43								
ITEM NO 490 Supplying and erecting 100 mm dia pressure gauge,0-300PSI or 0-14kgper cm square fitted with 12/15 mm dia pad cock valve,erected with provided G.I. pipe, elbow etc complete as per specification no. FF-FFA/PG CSR 13-8-14	10	NOS.	814	8140	**810**	**8100.0**	860	8600
ITEM NO 491 Supplying and erecting M.S./CRCA cabinet for housing Fire Brigade / SIAMESE connections (size 1250 x 400 x 300 mm.) made from 16 SWG sheet and angle iron 25 mm. x 25 mm. x 4 mm. having front doors with viewing glass (8" x 6") and locking arrangement with necessary fixing material such as rubber bidding etc. duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003CSR 13-8-19	1	NOS.	8670	8670	**8624**	**8624.0**	9060	9060
ITEM NO 492 Supplying and erecting gunmetal single outlet hydrant valve fittedwith necessary accessories complete as per specification no. FF-VL/HV CSR 13-7-35	2	NOS.	8073	16146	**8030**	**16060.0**	8440	16880
ITEM NO 493 Supplying and erecting 63mmdia, reinforced rubber lined (R.R.L.) hose pipe, 15m in length, fitted with necessary accessories complete as per specification no. FF-FFA/RRL CSR 13-8-4	2	NOS.	5520	11040	**5491**	**10982.0**	5770	11540
ITEM NO 494 Supplying and erecting gunmetal branch pipe of 63 mm dia fitted with 20 mm dia detachable hexagonal nozzle complete as per specificationno FF FFA/NZ CSR 13-8-7	2	NOS.	2034	4068	**2023**	**4046.0**	2130	4260
ITEM NO 495 Supply inganderecting 150mm dia fire brigade header suitable for supplying water in fire tank complete as per specification no. FF-FA/FBC CSR 13-8-10	1	NOS.	9990	9990	**9937**	**9937.0**	10440	10440
ITEM NO 496 Supplying and erecting inbrigade header	1	NOS.	12233	12233	**12169**	**12169.0**	12780	12780

(Siamesecconnection) of150mm dia, for supplyingwater in fire tank complete as per specification no. FF FA/FMC CSR 13-8-11								
ITEM NO.497 Supplying, installation, testing and commissioning of main fire pump (MFP / EP) suitable for water discharge of 2280 to 2850LPM at 80 to 60 m head driven by electric motor 415 volts, 3 phase 50 Hz, AC supply of 45kW or of suitable kW capacity for anual/automatic operation and consisting of following : (a) Horizontal type, single stage, centrifugal/split casing pump of cast iron body & bronze impeller with stainless steel shaft(SS410 grade), mechanical seal conforming to IS 1520. (b) Squirrel cage induction motor, TEFC, synchronous speed 3000 RPM, suitable for operation with IP 55 protection for enclosure, horizontal foot mounted type with lass-'F' insulation, conforming to IS-325. (c) M.S. fabricated common base plate, coupling, coupling guard, foundation bolts etc. as required. (d) Erected on provided suitable size cement concrete foundation duly plastered with anti vibration pads with perfect aligning, proper levelling complete pump set with accessories duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003) complete, as per specification no. FF-MFP/SSC/EP CSR 13-1-4	1	NOS.	250379	250379	**249059**	**249059.0**	261600	261600
ITEM NO.498 Supplying, installation, testing and commissioning of main fire pump(MFP/DP) suitable for water discharge of 2280 to 2850 LPM at 90 to 60 m head driven by 76 HP or suitable HP capacity diesel engine at required working speed suitable for manual/automatic operation and consisting of following :(a) Horizontal type, single stage, centrifugal casing pump of cast iron body & bronze impeller with stainless steel shaft(SS410 rade),echanical seal conforming to IS 1520.(b) Water cooled with radiator, diesel engine conforming to relevant IS standard complete with auto starting mechanism, 12/24 volts DC electric starting equipment with battery of required AH capacity with necessary charger suitable to work on 230v, 50Hz AC supply, diesel tank of minimum 150ltr capacity with first filling of diesel up to 100% level with necessary piping with valves up to engine	1	NOS.	608707	608707	**605498**	**605498.0**	636000	636000

, exhaust pipe extended up to 10 m outside pump house duly insulated with 50 mm thick glass wool with 1 0 mm thick aluminium sheet cladding, residential silencer, instruments and protection as per standard specification, stop solenoid for auto stop in the everft of fault with audio indications etc. as equired. (c) M.S. fabricated common base plate, coupling,guard,foundation bolts etc. as required.(d) Erected on provided suitable size cement concrete foundation duly plastered with anti vibration pads with perfect aligning, proper evelling complete pump set with engine assembly and accessories duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003) complete, as per specification no. FF-MFP/SSC/DP CSR 13-4-2								
ITEM NO 499 Supplying, installation, testing and commissioning of jockey fire pump (JP) suitable for water discharge of 180 to 240 LPM at 70 to 50 m head driven by electric motor 415 volts, 3 phase 50 Hz, AC supply of 5.5 kW or of suitable kW capacity for manual/automatic operation and consisting of following : (a) Horizontal/vertical type, multi stage, centrifugal casing pump of cast iron body & bronze impeller with stainless steel shaft (SS410 grade), mechanical seal conforming to IS 1520. (b) Squirrel cage induction motor, TEFC, synchronous speed 3000 RPM, suitable for operation with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325. (c) M.S. fabricated common base plate, coupling, coupling guard, foundation bolts etc. as required. (d) Erected on provided suitable size cement concrete foundation duly plastered with anti vibration pads with perfect aligning, proper levelling complete pump set with accessories duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003)complete, as per specification no. FF-MFP/JP CSR 13-2-1	1	NOS.	66266	66266	**65917**	**65917.0**	69220	69220
ITEM NO 500 Supplying, installation, testing and commissioning of booster fire pump [BP] suitable for water discharge of 450 LPM at 35 m head driven by electric motor 415 volts, 3 phase 50 Hz, AC supply of 5.5 kW or of suitable kW capacity for	1	NOS.	46195	46195	**45951**	**45951.0**	48250	48250

manual/automatic operation and consisting of following : (a) Horizontal/vertical type, single/multi stage, centrifugal casing pump of cast iron body & bronze/CI impeller with stainless steel shaft (SS410 grade), mechanical seal conforming to IS 1520. (b) Squirrel cage induction motor, TEFC, synchronous speed 3000 RPM, suitable for operation with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325. (c) M.S. fabricated common base plate, coupling, coupling guard, foundation bolts etc. as required. (d) Erected on provided suitable size cement concrete foundation duly plastered with anti vibration pads with perfect aligning, proper levelling complete pump set with accessories duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003) complete, as per specification no. FF-MFP/BP CSR 13-3-1								
ITEM NO.501 Supplying and erecting 100 mm dia. pressure gauge , 0-300 PSI or 0-14 kg per cm square fitted with 12/15 mm dia. pad cock valve, erected with provided G.I. pipe, elbow etc. complete as per specification no. FF-FFA/PGCSR 13-8-14	6	NOS.	814	4884	**810**	**4860.0**	860	5160
ITEM NO.502 Supplying and erecting 200 mm dia. cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FF-VL/BFV CSR 13-7-22	1	NOS.	10340	10340	**10285**	**10285.0**	10800	10800
ITEM NO.503 Supplying and erecting 150 mm dia cast iron double flange NRV complete with PN16 pressure rating, as per specification no. FF-VL/NRV CSR 13-7-25	1	NOS.	14222	14222	**14147**	**14147.0**	14860	14860
ITEM NO.504 Supplying and erecting 75/80 mm dia cast iron double flange NRV complete with PN16 pressure rating, as per specification no. FF-VL/NRV Supplying and erecting 200 mm dia. cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FF-VL/BFV CSR 13-7-23	2	NOS.	6473	12946	**6439**	**12878.0**	6770	13540
ITEM NO.505 Supplying and erecting 200 mm dia Cast Iron end line strainer of Y-type flanged end pattern, PN16 pressure rating, screen of SS end connection with Flanged / Screwed / Socket Weld / Butt Weld End etc with standard OAR (open area Ratio) for positive suction	1	NOS.	21469	21469	**21356**	**21356.0**	22430	22430

complete as per specification no. FF-VL/ELS CSR 13-7-8								
ITEM NO 506 Supplying and erecting 200 mm dia. cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FF-VL/BFV CSR 13-7-22	1	NOS.	10340	10340	**10285**	**10285.0**	10800	10800
ITEM NO 507 Supplying and erecting 150 mm dia. cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FF-VL/BFV CSR 13-7-21	1	NOS.	6450	6450	**6416**	**6416.0**	6740	6740
ITEM NO 508 Supplying and erecting 100 mm dia. cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FF-VL/BFV CSR 13-7-20	6	NOS.	4340	26040	**4317**	**25902.0**	4540	27240
ITEM NO 509 Supplying and erecting 75/80 mm dia. cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FFVL/BFV CSR 13-7-19	4	NOS.	3239	12956	**3222**	**12888.0**	3390	13560
ITEM NO 510 Supply inganderecting 12/15mm dia pressure switch withprovide disolation valve, G I. nipple, elbow, etc complete as per specification no. FF-FFA/PS CRS 13-8-15	1	NOS.	1863	1863	**1853**	**1853.0**	1950	1950
ITEM NO 511 Supplying & erecting Carbon Dioxide (CO2) fire extinguisher of 4.5 kg. capacity cartridge type conform to IS 2878 /15683 complete erected with necessary clamp made from 50 x 6 mm. M. S. flat with nut & bolts routed in wall complete CSR 13-14-1	15	NOS.	9996	149940	**9943**	**149145.0**	10450	156750
ITEM NO 512 Supplying and erecting 150 mm dia Cast Iron end line strainer of Y-type flanged end pattern, PN16 pressure rating, SS screen, end connection with Flanged / Screwed / Socket Weld / Butt Weld End etc with standard OAR (open area Ratio) for positive suction complete as per specification no. FF-VL/ELS CSR 13-7-7	2	Nos.	11713	23426	**11651**	**23302.0**	12240	24480
ITEM NO 513 Supplying and erecting 75/80 mm dia Cast Iron end line strainer of Y-typeflanged end pattern, PN16 pressure rating, SS screen, end connection with Flanged / Screwed / Socket Weld / Butt Weld End etc with standard OAR (open area Ratio) for positive suction complete as per specification no. FF-VL/ELS CSR 13-7-5	3	No.	4619	13857	**4595**	**13785.0**	4830	14490

ITEM NO 514 Supplying and erecting 200 mm dia cast iron double flange NRV complete with PN16 pressure rating, as per specification no. FF-VL/NRV CSR 13-7-26	1	No.	22462	22462	**22344**	**22344.0**	23470	23470
ITEM NO 515 Supplying and erecting 20/25mm dia gun metal air release cock, with necessary G.I. coupling to be fitted on top of air vessel or on wet riser complete as per specification no. FF-FFA/ARV CSR 13-8-13	2	Nos.	889	1778	**884**	**1768.0**	930	1860
ITEM NO 516 Supplying, erecting, testing & commissioning of fire pump control panel (FCP) of cubical construction, floor mounted type, fabricated from minimum 2mm thick CRCA sheet, compartmentalised with hinged lockable doors, with enclosure protection class IP54, duly powder coated or painted with accessories duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003), cable alley, interconnection with suitable size solid copper busbar strip of adequate size for all power connections having switchgears and accessories, mountings and internal wiring with adequate size copper conductor cable, earth terminals, numbering etc. complete in all respect, suitable for satisfactory operation of main fire pump and jockey (pressurisation) pumps (1working+1standby) with necessary accessories, wiring & cabling along with allied accessories with following incoming and outgoings, suitable for automatic & manual operation on 415V, 3 phase, 50Hz ac supply as per specifications CSR 13-5-1	1	No.	184675	184675	**183701**	**183701.0**	192900	192900
the capacity of electric motor driven pump are as follows a. Main fire pump(MFP) having capacity of 22kW 1no (1 working) b. Jockey pump(JP) capacity of suitable capacity 2 nos(1 working +1 standby, alternate run per start in auto mode) comprises of the following features & switchgears: 1. Main incomer FP SFU having rotary handle with HRC fuses of suitable rating. 2. Electrolytic grade copper strips for busbar of suitable sizes for main incomer and branches to motor SFU's, starters & outgoing terminals with necessary accessories like stainless steel nut bolts with spring washers for connections, mounted on required no of epoxy or porcelain support insulators of				0				0

suitable ratings etc. 3. Individual pump TPN SFU having rotary handle with HRC fuses of suitablerating. 4. Digital voltmeter & ammeter & RYB indicating lamps & push buttons & SPP, O/L & phase reversal protection with emergency stop switch. 5. TPN SPD 100kA Type I +2 tested.								
6. Required pressure transducer with pressure indication on panel with cabling required for monitoring & automatic operation of fire pumps. 7. System controller to control operation of main electric fire pump, jockey (pressurization) pumps in sequence with interlocking for operation of pumps as per specification with automatic/manual operation with selector switch & alternate run of standby Pumps consisting of relays, timers, sensors, annunciation window for fault indication, complete as per specification. 8.Suitable capacity electric motor starters for all individual pumps with necessary push buttons & indications. 9. Siren of required capacity to be activated when main pump starts & allied accessories as per requirements of local CFO or as directed by engineer in charge. 10. Danger board as per IS. 11. Spare HRC fuses minimum 2 nos of each individual rating with required bakelite fuse holder for main & jockey fire pumps MFP=(1working), JP = (1working+1standby, alternate run per start in auto mode) complete panel, as per specification no. FF-MFP/ECP				0				0
ITEM NO.517 Add On A4 For main electric motor driven fire hydrant system pump of 55kW capacity & relevant capacity jockey pump add Rs.	1	No.	69801	69801	**69433**	**69433.0**	72910	72910
ITEM NO.518 Add On D For addition of standby main diesel engine driven fire pump (1standby), add as follows in the basic cost of item no 13-5-1 towards required 12/24 v battery charger and diesel engine starter alongwith necessary accessories, indicators etc. with necessary interlocking and updation of control logic with interlocking for operation of pumps MFP for main (1working+1standby mode) & jockey fire pumps (1working+1standby, alternate run per start in auto mode) , add Rs..... The control for diesel engine comprises of automatic/manual selector switch & 3 attempts starting device, timers and relays as required, push buttons, start/stop in manual mode	1	No.	69529	69529	**69162**	**69162.0**	72630	72630

indicating lamp for high/ low Lub. oil pressure, high water temp and engine on indication battery charger suitable for 12V/24 V DC with boost and trickle selector switch, 0-30 V DC voltmeter, and 0-20 A DC ammeter with all standard relays and accessories required for automatic operation of diesel engine with interlocking for operation of main fire pumps								
ITEM NO 519 Add On E1 For addition of booster pump for fire hydrant/sprinkler, add as follows in the basic cost of item no 13-5-1 towards necessary accessories, indicators etc. with necessary interlocking and updation of control logic, add Rs..... 1 for 5.5/ 7.5 kW centrifugal type booster pump 1no(1working) , add Rs	1	No.	18299	18299	**18203**	**18203.0**	19120	19120
ITEM NO 520 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 3 core 6 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-16	80	Rmt.	320	25600	**318**	**25440.0**	340	27200
ITEM NO 521 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3 core 50 sq mm. aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL CSR 7-1-14	100	Rmt.	330	33000	**328**	**32800.0**	350	35000
ITEM NO 522 Supplying & erecting single compression type brass cable glands for 3½ core 70 sq mm cable as per specification No. CB-GL CSR 7-7-6	2	No.	281	562	**280**	**560.0**	300	600
ITEM NO 523 Supplying & erecting single compression type brass cable glands for 3 to 4core 6 sq mm /2 to 4 core 10 sq mm cable as per specification No. CB-GLCSR 7-7-2	8	No.	93	744	**93**	**744.0**	100	800
ITEM NO 524 Supplying & erecting crimping type copper lugs for cable upto 16 sq mm complete as per specification No. CB-CL/CU CSR 7-9-1	24	No.	24	576	**24**	**576.0**	30	720
ITEM NO 525 Supplying & erecting crimping type aluminium lugs for cable 70 sq mm complete as per specification No. CB-CL/AL CSR 7-10-5	6	No.	31	186	**31**	**186.0**	40	240
ITEM NO 526 Supplying, installation, testing and commissioning of jockey	2	Nos	66266	132532	**65917**	**131834.0**	69220	138440

fire pump (JP) suitable for water discharge of 180 to 240 LPM at 70 to 50 m head driven by electric motor 415 volts, 3 phase 50 Hz, AC supply of 5.5 kW or of suitable kW capacity for manual/automatic operation and consisting of following : (a) Horizontal/vertical type, multi stage, centrifugal casing pump of cast iron body & bronze impeller with stainless steel shaft (SS410 grade), mechanical seal conforming to IS 1520. (b) Squirrel cage induction motor, TEFC, synchronous speed 3000 RPM, suitable for operation with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325. (c) M.S. fabricated common base plate, coupling, coupling guard, foundation bolts etc. as required. (d) Erected on provided suitable size cement concrete foundation duly plastered with anti vibration pads with perfect aligning, proper levelling complete pump set with accessories duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003)complete, as per specification no. FF-MFP/JP CSR 13-2-1								
ITEM NO.527 Jocky Pump Supplying, installation, testing and commissioning of jockey fire pump (JP)suitable for water discharge of 180 to 240 LPM at 70 to 50 m head driven byelectric motor 415 volts, 3 phase 50 Hz, AC supply of 5.5 kW or of suitable kW capacity for manual/automatic operation and consisting of following : (a) Horizontal/vertical type, multi stage, centrifugal casing pump of cast iron body & bronze impeller with stainless steel shaft (SS410 grade), mechanical seal conforming to IS 1520. (b) Squirrel cage induction motor, TEFC, synchronous speed 3000 RPM, suitable for operation with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325. (c) M.S. fabricated common base plate, coupling, coupling guard, foundation bolts etc. as required. (d) Erected on provided suitable size cement concrete foundation duly plastered with anti vibration pads with perfect aligning, proper levelling complete pump set with accessories duly	2	NOS	46195	92390	**45951**	**91902.0**	48250	96500

painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003)complete, as per specification no. FF-MFP/JP CSR 13-3-1								
ITEM NO.528Booster PumpSSupplying, installation, testing and commissioning of booster fire pump [BP]suitable for water discharge of 450 LPM at 35 m head driven by electric motor 415 volts, 3 phase 50 Hz, AC supply of 5.5 kW or of suitable kW capacity for manual/automatic operation and consisting of following :(a) Horizontal/vertical type, single/multi stage, centrifugal casing pump of cast iron body & bronze/CI impeller with stainless steel shaft (SS410 grade),mechanical seal conforming to IS 1520.(b) Squirrel cage induction motor, TEFC, synchronous speed 3000 RPM, suitablefor operation with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325.(c) M.S. fabricated common base plate, coupling, coupling guard, foundation bolts etc. as required.(d) Erected on provided suitable size cement concrete foundation duly plastered with anti vibration pads with perfect aligning, proper levelling complete pump set with accessories duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003) complete, as per specification no. FF-MFP/BPCSR 13-4-1	2	NOS	536620	1073240	**533791**	**1067582.0**	561000	1122000
ITEM NO.529 Diesel Pump Supplying, installation, testing and commissioning of main fire pump (MFP/DP) suitable for water discharge of 2280 to 2250 LPM at 90 to 60 m head driven by 76 HP or suitable HP capacity diesel engine at required working speed suitable for manual/automatic operation and consisting of following : (a) Horizontal type, single stage, centrifugal casing pump of cast iron body & bronze impeller with stainless steel shaft(SS410 grade), mechanical seal conforming to IS 1520. (b) Water cooled with radiator, diesel engine conforming to relevant IS standard complete with auto starting mechanism, 12/24 volts DC electric starting equipment with battery of required AH capacity with necessary charger suitable to work on 230v, 50Hz AC supply, diesel tank of minimum 150ltr capacity with first filling of diesel up to 100% level with necessary piping with valves up to engine	2	NOS	608707	1217414	**605498**	**1210996.0**	636000	1272000

, exhaust pipe extended up to 10 m outside pump house duly insulated with 50 mm thick glass wool with 1.0 mm thick aluminium sheet cladding, residential silencer, instruments and protection as per standard specification, stop solenoid for auto stop in the event of fault with audio indications etc. as required. (c) M.S. fabricated common base plate, coupling, coupling guard, foundation boltsetc. as required. (d) Erected on provided suitable size cement concrete foundation duly plastered with anti vibration pads with perfect aligning, proper levelling complete pump set with engine assembly and accessories duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003) complete, as per specification no. FF-MFP/SSC/DP CSR 13-4-2								
ITEM NO.530 Providing & fixing AC Charger of model named as AC Type 2 with power rating of 7.4 kW & charging connector IEC62196-2 Gun, the input power supply should be of one phase with all required accessories. (For all 4 W of 2nd generation like Nexon, MG, Mercedes etc.) complete as per specification and drawing provided by the Engineer Incharge Approved MR	2	NOS.	84822	169644	**84375**	**168750.0**	88600	177200
ITEM NO.531 Providing & fixing AC Charger of model named as Bharat AC01 with power rating of 3x3.3 KW & charging connector 3 nos. of 16 A Socket, the input power supply should be of three phase with all required accessories. (For 2/3 W & 4 W slow charging) complete as per specification and drawing provided by the Engineer Incharge Approved MR	2	NOS.	77675	155350	**77265**	**154530.0**	81130	162260
ITEM NO.532Providing & fixing DC Fast Charger of model named as CCS2 with power rating of 30 KW & charging connector 1 nos. of 30 KW CCS2 gun, the input power supply should be of three phase with all required accessories and the output current wil be 125 A per Gun. (For all 4 W of 2nd generation like Nexon, MG, Mercedes etc.) complete as per specification and drawing provided by the Engineer InchargeApproved MR	2	NOS.	743721	1487442	**739800**	**1479600.0**	777000	1554000
ITEM NO. 533 SITC of Electric Traction Passenger cum Stretcher/Hospital Lift with - Rated capacity :- 20 Passenger/1360Kg	5	JOB	1961149	9805745	**1950810**	**9754050.0**	2049000	10245000

· Floors :- G+1 floor (2Stops/2 Landings) · Travel :- 3 to 4.2 mtrs · Location of Lift Machine:- MR/MRL · Rated speed :- 1.0mps VS · Car/Landing door clear opening of 1100/1200 mm wide x 2000 mm high · Clear Car size of ____mm wide x ____mm deep x 2250mm high · Lift shaft available having clear size of ____mm wide x ____mm deep, ____mm Pit depth, ____mm Overhead. CSR 17-1-10								
· Doors type :- COPO/TOPO Doors with frame made from SS 304 grade solid(non-claded) sheet of 1.5mm thick in hairline finish for car and all landing doors with SS door architraves/frames The lift doors shall have minimum 1 hour fire rating (with submission of necessary valid Test Certificate issued by NABL accredited or Independent Test laboratory) · Lift car enclosure made from SS 304 grade solid(non-claded) sheet of 1.5mm, thick with hairline finish with frame made from MS girders, bracing of adequate size with minimum safety factor of 5, with Toe Guard Apron, with necessary false ceiling with LED lights having light intensity of at least 100 lux in car, blower/fan for ventilation & SS chequered plate flooring, handrails, mirror, emergency light etc. The lift car interior design shall be done as per the directions of engineer in charge · COP with SS face plate having metallic push buttons with Braille Code & luminous indicator around button with FPI, scrolling UP/DN LED indicator & with / without attendant key switch, OWD with audiovisual alarm, VAS in Marathi, Hindi & English with intercom system with telephone instrument in Lift car, LMR & FCC/ground floor								
· LOP with SS face plate having recess/surface push button box for all landings with scrolling UP/DN LED indicator having metallic push buttons with Braille Code & luminous indicator around button with CPI, Lift car arrival & next travel direction audio-visual indication at all landings · Lift controller based on microprocessor/ PLC with VVVF Drive having closed loop control system, with IBMS compatible having necessary port, The Controller shall have necessary Protections such as overcurrent, overvoltage, over speed, overheat for all devices including lift motor and travel								

direction protection, protection for phase loss at input or output, Ascending Car Overspeed Protection etc various operation modes such as maintenance, change direction by attendant, full load bypass, VIP call operation, self leveling operation, call cancel facility, auto return to home landing, fireman evacuation operation, door open/close operation from COP etc. The system can record information for minimum 30 latest faults, with Real-time clock management and Handheld keypad with LCD screen for view and setting of parameters, The control panel duly wired with proper size & strength, copper wire for power & control circuit, with provision for addition of floor/control card & allied accessories control panel having enclosure of 1.5mm CRCA sheet with powder coating with IP54 Protection class								
ARD complete with necessary SMF VRLA batteries shall be such that minimum three consecutive rescue operations can be performed without recharging for the maximum travel distance between two consecutive served stops. ARD have a suitable audio alarm with visual indication or voice annunciation in the lift car or lift controller to indicate "Low battery". · Fireman controller having fireman switch at fire Landing · CCTV surveillance system comprises of 2nos minimum 2.0MP FHD IP based vandal proof Dome camera in lift car & in LMR/inside lift shaft top aimed on Lift machinery & controller with NVR kept in LMR/FCC with HDR data backup for 90 days with 20" FHD TV monitor, to be kept in FCC/LMR as directed by Engineer In Charge								
· Lift Machine of Gearless PMSM of suitable kW with duty cycle of minimum 120 starts/hr (with submission of necessary valid Test Certificate issued by NABL accredited or Independent Test laboratory), with Traction pulley, OSG, electromagnetic brakes, entire assembly mounted on adequate size girders duly fixed on LMR floor/ shaft walls complete with main/diverter traction sheaves, suspension wire ropes/belts of adequate size & strength · Other mechanical parts such as 'T' section adequate size guide rails for car & counter weight with brackets fasteners, counter weight frame with necessary blocks, buffers with necessary support arrangement, MS pit ladder etc. erected with necessary steel work · Minor civil work such as alteration								

work if any necessary for erection of landing door frames and it's accessories e.g. sill, header, hole pass etc complete with plaster finish, civil work for erection buffers, erection of lift machinery, adequate size core cuts if required & scaffolding for erecting guide rails, providing and fixing steel girders/RCC work having adequate strength for mounting and hoisting lift machine etc. complete as per specification no. LFT								
General: - Job includes entire procedure of obtaining all necessary erection permissions & "License to Work the Lift" from Electrical Inspector(Lifts) with submission to the Engineer In Charge. - The above rate includes Fully Comprehensive AMC for one year from the date of commissioning								
ITEM NO.534 Add On A-5 For Lift travelling up to six floors or at a speed of 1.0 mps, add as below, For Lift having 1100mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade solid(non-claded) landing door [Two panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrowsindicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landing doors with all accessories etc. necessary for the normal safe functioning of lift installation complete	10	FLOOR	151829	1518290	**151029**	**1510290.0**	158600	1586000
ITEM NO.535 Supplying, installing, testing and commissioning of 20 kWp ON-GRID Solar pV System / Plant consisting Solar PV Poly Crystalline Panel (335 Wp X 60 Nos.) and Solar ON-GRID Inverter of similar capacity (THD<3%) with interconnecting wires / cables up to solar ON GRID inverter, proper base plate, canopy box to house Inverter and necessary accessories i.e. ACDB/ DCDB , MCB etc. wiring up to solar Inverter in casing and capping, display board, sign board, two distinct earthing, lightning arrester, liasoning charges, remote monitoring system with maintaining card/chip for 5 years including net charges for RMS System, complete upto net meter installation and export to the grid with 5 year ON-SITE warranty and fully comprehensive maintenance contract as per Specification no. ESD-RT-ONG. CSR 4-5-5	1	NOS	1065919	1065919	**1060299**	**1060299.0**	1114000	1114000
ITEM NO.536 Preparing Lawn (30 cm depth) - Excavating the ground to a required depth of 30cms, removing & conveying	450	SMT	696	313200	**692**	**311400.0**	730	328500

unwanted stuff to a required distance as directed. Filling fresh garden soil/silt & manure in excavated area in 3:1 proportion to a height of 30cms. Mixing garden sod and manure thoroughly well, leveling, and watering on previous night. Planting required variety of lawn grass as directed and maintaining till well established by watering, weeding, clinning rolling etc complete PARK AND GARDEN DSR								
ITEM NO. 537Preparing flower Bed.-Excavating the ground to the required depth of 30cms, Removing and conveying unwanted stuff to a required distance as directed, Filling fresh garden soil & manure in excavated area in 3:1 proportion to a required height of 30cms Mixing garden soil and manure thoroughly well, leveling, watering, on previous night. Planting seedlings of required annoals 25cms apart Maintaining till well established by watering, weeding, Stirring replacing of casualties etc, Complete.PARK AND GARDENDSR	588	SMT	687	403956	**683**	**401604.0**	720	423360
ITEM NO 538 GARDEN SOIL.Supplying on site garden soil well sieved 90% to pass through IS. sieve of 10 mm size free from stones rubbish like dried grass roots and other such materials. The soil should be fresh from quarry. The color of the soil generally is red. The soil will be measured by measuring box. (Farma) Item includes royalty charges, octroi, corporation Tax Transporting loading -unloading etc (Lead charges per 90 km. considered) PARK AND GARDEN DSR	589.237 5	CMT	844	497316.45	**840**	**494959.5**	890	524421.375
ITEM NO.539 FARM YARD MANURE:-Supplying on site well decayed, well dried, well powdered, without clods and free from stones, dried grass and other rubbish material. The color of the manure generally is black. The manure will be measured by measuring box (Farma)Item includes Transporting, loading -unloading etc (Lead charges per 30 kom. are considered) PARK AND GARDEN DSR	165	CMT	824	135960	**820**	**135300.0**	870	143550
Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in pollybag. (Wherever applicable)								
ITEM NO.540 Sapling of small & medium Ornamental flowering plants, Ornamental ficus, Mussanda etc. Thuja, Cupressus, Common Ornamental Shrubs for	300	NOS	50	15000	**50**	**15000.0**	60	18000

Shrubbery PARK AND GARDEN DSR								
ITEM NO 541 Palm Varities (Red Palm, Fox Tail Palm, Bottle Palm, Rhaphis Palm, Table Palm, Cristal Palm etc.) 6-8Ft PARK AND GARDEN DSR	30	NOS	1307	39210	**1300**	**39000.0**	1370	41100
ITEM NO 542 Plants required for Landscaping (Euphorbia, Hemelia, Malphegra, Mussanda, Tiscoma, Song of India, Golden Bamboo, Buddhas Bamboo, Golden Ficus, Phonicus Palm X'mas Tree, Ficus Panda etc.) 4-5 ft PARK AND GARDEN DSR	150	NOS	276	41400	**275**	**41250.0**	290	43500
ITEM NO. 543 Preparing Shrubbery - Excavating the ground to required depth of 30cms, removing and conveying unwanted stuff to a required distance as directed. Filling fresh garden soil & Manure in excavated area in 3:1 proporation to a height of 30cms. Mixing garden soil & manure thoroughly well, leveling, and watering on previous night, planting well developed shrubs plant 0.5 Mtrs. apart as directed and maintaining till well established by watering, weeding, stirring, replacing casualties etc. complete. PARK AND GARDEN DSR	420	SMT	655	275100	**652**	**273840.0**	690	289800
ITEM NO. 544Forrest Trees(Peltophorum,Bakul,Kecia,Neem,Tabobia,ETC)Annex B(8-10 FEET)PARK AND GARDENDSR	10	NOS	653	6530	**650**	**6500.0**	690	6900
ITEM NO. 545 Trimming of trees having girth between 2' to 5' MCGM R3-GW-8-2	10	NOS	2355	23550	**2343**	**23430.0**	2470	24700
ITEM No.546 Plant Protection measures for tree having girth between 2'to 5' MCGM R3-GW-8-22	10	NOS	291	2910	**289**	**2890.0**	310	3100
ITEM NO.547 Quisqualis 24indica 6 " to 9 " height excluding pollybag MCGM R3-GW-5-205	150	NOS	17	2550	**17**	**2550.0**	20	3000
ITEM NO. 548 Bougainvillea purviana Thimma 6 " to 9 " height excluding pollybag MCGM R3-GW-5-20	150	NOS	35	5250	**35**	**5250.0**	40	6000
ITEM NO.549 Codieum variegatum Hybrid croton 6 " to 9 " height excluding pollybag MCGM R3-GW-5-37	150	NOS	46	6900	**46**	**6900.0**	50	7500
ITRM NO. 550 Samanea saman Rain tree 4' to 5 ' height excluding pollybag MCGM R3-GW-5-295	50	NOS	81	4050	**81**	**4050.0**	90	4500
ITEM NO. 551 Roheo discolor Rhoeo Nana 4"	150	NOS	12	1800	**12**	**1800.0**	20	3000

to 6" height excluding pollybag MCGM R3-GW-5-145								
ITEM NO. 552 Roheo discolor Rhoeo Tall 4" to 6" height excluding pollybag MCGM R3-GW-5-146	150	NOS	23	3450	**23**	**3450.0**	30	4500
ITEM NO.553 Delonix regia Gulmohar 4' to 5 ' haight excluding pollybag MCGM R3-GW-5-261	50	NOS	81	4050	**81**	**4050.0**	90	4500
ITEM NO.554 Verbena 6 " to 9 " height excluding pollybag MCGM R3-GW-5-158	200	NOS	17	3400	**17**	**3400.0**	20	4000
ITEM NO.555 Chlorophytum laxum Dwarf Chlorophytum 6 " to 9 " height excluding pollybag MCGM R3-GW-5-40	200	NOS	23	4600	**23**	**4600.0**	30	6000
ITEM NO.556 Chlorophytum comosum Spider Plant 6 " to 9 " height excluding pollybag MCGM R3-GW-5-39	75	NOS	23	1725	**23**	**1725.0**	30	2250
ITEM NO.557 Mangifera indica Mango 4' to 5 ' height excluding pollybag MCGM R3-GW-5-284	50	NOS	145	7250	**144**	**7200.0**	160	8000
ITEM NO.558 Providing and laying hand made tile of various size and approved designs for dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete. Approved MR	70	SMT	9942	695940	**9890**	**692300.0**	10390	727300
ITEM NO.559METAL BAFFLE CEILING : Providing & fixing of horizontal level suspended ceiling comprising of Vertical Linear Baffle Ceiling made out of Aluminum Extrusion in Aluminum alloy grade 6063 T5. The baffle blade shall be in size of 100x25x3600mm in powder coated to Woodgrain/Plain finish (Red Oak, Cherry, Black & White). The baffle shall be electrostatically polyester powder coated to a coating thickness of 60-80 micron. The powder coating shall pass Salt Spray Test for 750 Hours as per ASTM B117, QUV-A Test for 1000hours as per ASTM G-154 – (Cycle – 1) and Humidity test for 1000hours as per DIN 50017. The powder coating shall have an adhesion of GT0 as per EN ISO 2409 The shade variation within a manufacturing batch shall be delta E<1 using Excite/BYK Gardner instrument and gloss level 25±5 at 60° as per ASTM D523 (Not applicable of Wood Grain Shade). The baffle blade shall be suspended using Slotted U- profile of 20 x 30 x 3700mm (Thk-1.5mm) having slots in module of 25mm to keep baffles at an on-center spacing in multiples of 25mm. Longer lengths of Baffle to be connected by Baffle Joiner and the ends to be fixed with End	951.16	SMT	13861	13184028.76	**13787.55**	**13114166.1**	14480	13772796.8

caps. SUSPENSION: Shall be hanged using baffle hanger from U-profile made of mild steel with powder coating thickness of 60-80 micron. SSR 52.35/468								
The U – profile to comprise of alternate square & rectangular slots of 6.5x6.5mm & 28x6.5mm respectively on the web for locking the baffle hanger using plugin clip to secure the hanger in perfect position and achieve uniform spacing between baffles. The overall dimension of the U – profile is 20(W) x 30(H) x 3750(L) mm and is rolled form from 1.5mm thick mild steel with a powder coating thickness of 60- 80micron. U-Profile to be connected to each other using U –Profile Splice. The U- profile shall be hanged from the true ceiling using threaded rod using a U- Profile hanger. The Baffle along with suspension system used together shall carry a 10 year warranty against manufacturing defect and manufacturer shall provide a warranty certificate. The supply shall be backed by a Manufacturing Test Certificate								
INSTALLATION: Installation of U-Grid: The U profile to be suspended at every 1200mm center to center using 6mm threaded rod from the structural soffit using U-profile hanger. U-profile splice to be used to join more than one U profiles of length 3.7M. 1st U-Grid Channel must be no more than 400mm from the perimeter. Installation of Baffles: Locate the slot for Baffle Hangers in U Profile section at 1200mm centers. Hangers are inserted into the slot, then rotated 90° and fixed into position by tightening the grub screw. Baffle to be lifted into position and hangers engage over lip of U-Grid Channel. Each Hanger to be secured into position by inserting the Locking Clip. When doing continuous installation, Baffles blades are to be connected at ends with Baffle Joiner, which are inserted into the top and bottom slots of the Baffle closed profile for alignment only. The bottom Joiner to be located first and fastened on one side only. The top Joiner to be fitted then and secured with grub screws on one side. Then the two Baffle sections shall be joined and the top Joiner is screw fastened on the 2nd Baffle profile. End Caps to be located by pushing the End Cap tongues into open Baffle slots. Installation should be carried out as per Manufacturer recommended procedure.								

ITEM NO.560 Providing and fixing frame work of anodised aluminium sections for suspended false ceiling consisting of aluminium T 50 mm x 40 mm weighing 0.39 Kilogram/m. at 60 cms c/c and fixed with (15 x 15 mm) flanges weighing 0.119 Kilogram/m suspended on 6 mm dia. mild steel rod weighing 0.22 Kilogram/m fixed on wall and beams including rounding of the edges with aluminium T of 50 mm x 40 mm weighing 0.39 Kilogram/m etc. including all labour etc. complete. SSR 38.14/234	555	SMT	1340	743700	**1332.45**	**739509.8**	1400	777000
ITEM NO.561Providing and fixing in position cement sheet having thickness 12 mm in provided Frame/Brickwall/RCC Member as directed by Engineer in Charge and Drawings . item to be completed in all respect including finishing of joints cut outs, including labour, material, lifts etc. all completeRASSR 66/528	555	SMT	919	510045	**914**	**507270.0**	960	532800
ITEM NO.562 Providing, fixing transporting and lifting upto 75ft of 80/114 mm corrugated Jinroc Roof Panel. Continuous line Mineralwool / Rockwool insulated corrugated panel having trapezoidal profile with max crest height of 34mm at maximum pitch of 250mm with Top & Bottom 0.5mm TCT PPGI sheet. The stonewool insulation shall be non-combustible grade of density 100 Kg/m3 with permissible tolerance as per IS 8183 and core shall be certified by EUCEB as noncarcinogenic, bio-soluble. The insulation material should be completely non-combustible having class A1 as per EN13501-1, shall have melting point of more 1000OC as per ASTM E794, approved by fire test standards UL 723 and ASTM E84, the SDI and FSL value should be 0 as per the UL 723 testing. The Stonewool slab shall be cut into Lamella, rotated & uniformly glued through online oscillation process using PU based glue of reputed make and ensure high adhesive uniformity & proper bonding with sheet. Panel shall be joined together using tongue & groove joinery with max tolerance of 3mm and shall be packed online before the transportation to avoid scratches. The top profiled sheet of 0.5mm TCT PPGI and bottom Micro Ribbed of 0.5mm PPGI.	547.74	SMT	6644	3639184.56	**6609**	**3620013.7**	6940	3801315.6
Sheet shall be of minimum 240 MPa RMP 120 GSM without guard film, 5- 7microns epoxy								

primer on both side of the sheet and polyester top coat 20-25 micron. The sheet shall have plastic protective guard film of minimum 25 micron to avoid scratches during transportation – Kingspan Jindal. Providing and fixing Flashing for aesthetic and support (girth up to 600 mm) Providing and fixing Gutter (girth up to 900 mm), (PVC nozzle length 300mm) (PPGI - 0.5mm thick). Fire Rated 2 Hr Approved MR								
ITEM NO 563 Providing and Fixing Rollar Blinds AMI Make or approved make & shade of 38mm round Aluminium channel with Blackout fabric & telting with chain (Ball) system with all necessary fixtures and fitting etc. complete. (Sample to be final by Engineer In-charge prior execution of work) SSR 51.19/355	226.9741	SMT	2272	515685.1552	**2259.6**	**512870.7**	2380	540198.358
ITEM NO.564 Providing and Fixing Vertical Blinds of approved Make and shade of 100mm regular fabric with powder coated aluminium channel with telting PVC chain & bottom weight plate with all necessary fixtures and fitting etc. complete. (Sample to be final by Engineer In-charge prior execution of work) SSR 51.20/355	145	SMT	1082	156890	**1076.25**	**156056.3**	1140	165300
ITEM NO.565 Providing & fixing Curtains as per drapery details. Including curtain rods & accessories. Spec. As directed by Engineer-In-Charge. Approved MR	128.75	SMT	1810	233037.5	**1800**	**231750.0**	1890	243337.5
ITEM NO. 566ROLLER BLINDS - COLOUR BACKINGProviding & fixing premium quality Roller blinds with prestress Solar protection fabric of high tenacity Polyester Yarn with PVC coating and fungi static treatment and should block the light flux & offer elimination of glare and sunlight /radiance etc.complete. Fabric shall have visible light & solar properties & greengaurd (gold) Indoor Airquality & children & school certified.Fabric composition - 39% Polyester / 61% PVCwith alumium backing.Weight - 290 g/sq.m (+/- 5%)Thickness - 0.32 mm (+/- 5%)Fabric openness factor - 3%Tensile strength (warp / weft) - 160/170 daN/5cmTearing Strength (warp/weft) - 11/13 daNBacking - Aluminium backing.Fungi static treatment - Degree 0 Excellent (EN ISO 846-A)Fire retardancy: B-s2,d0/EN 13501-1, class A/ASTM E84.MCGM - R3-CS-FUR-21	131.455	SMT	1650	216900.75	**1641**	**215717.7**	1730	227417.15
ITEM NO 567 Providing and fixing Storage made of 18 mm thk plywood with all external surfaces	249.09	SMT	18598	4632575.82	**18500**	**4608165.0**	19430	4839818.7

finished with approved laminate of 1.0 mm thk & all internal surfaces finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish etc complete. Approved MR Spec. As directed by Engineer-In-Charge.								
ITEM NO 568 MEDIUM HEIGHT STORAGE Medium Height Steel Storage @ 750Lx450Dx1200HT Providing and fixing Openable Steel Storage of 750 x 450 x 1200Ht, with 2 adjustable shelves, Complete body & shutter made in 0.8 mm thick & Top in 2 mm thick CRCA, 2 Shutter to be mounted with the help of cup hinges, and 4 adjustable levelers, entire storage in powder coated finish with 60 to 80 microns. with 25 mm. thk. as per drawing. SSR 51.36	13	NOS	16311	212043	**16224.6**	**210919.8**	17040	221520
ITEM NO 569 FULL HEIGHT STORAGE Full Height Steel Storage @ 750Lx450Dx2100HT Providing and fixing Openable Steel Storage of 750 x 450 x 2100Ht, with 4 adjustable shelves, Complete body & shutter made in 0.8 mm thick & Top in 2 mm thick CRCA, 4 Shutter to be mounted with the help of cup hinges, and 4 adjustable levelers, entire storage in powder coated finish with 60 to 80 microns as as per drawing. SSR 51.37	16	NOS	19977	319632	**19871.25**	**317940.0**	20870	333920
ITEM NO 570 LOCKERS Multiple Compartment Lockers @ 1140Lx 457D x 1830 mm. Ht. Providing and fixing Multiple Compartment Lockers @ 1140Lx 457D x 1830 mm. Ht with 12 Compartments , Complete body & shutter made of CRCA Sheet with powder coated finish as per approved color. SSR 51.38	47	NOS	45840	2154480	**45598.35**	**2143122.5**	47880	2250360
ITEM NO 571 Providing and fixing Luggage Racks (Size :-1.2 mX .45m) made of 19mm thick ply shutters , finished with approved Veneer on all outer faces complete as per drawings and directions. Cost includes provision of approved hinges, door magnets, handles, etc. as per drawings and specifications. Approved MR Spec. As directed by Engineer-In-Charge.	2.88	SMT	16587	47770.56	**16500**	**47520.0**	17330	49910.4
ITEM NO 572 Providing and fixing Podium with acrylic finish Approved MR Spec. As directed by Engineer-In-Charge	5.4	SMT	26972	145648.8	**26830**	**144882.0**	28180	152172

ITEM NO.573Providing and fixing Wall panelling on wall with 12mm thick commercial BWR plywood / MDF mounted on ply support frame work with laser cutting and backlit With LED Finishing includes covering with approved laminate finish the outside of plywood, Teakwood beading at corners, skirting level and false ceiling level, etc. as per drawing. Approved MRSpec. As directed by Engineer-In-Charge.	335.64	SMT	7841	2631753.24	**7800**	**2617992.0**	8190	2748891.6
ITEM NO 574 Providing and fixing Wall panelling on wall with 12mm thick commercial BWR plywood / MDF mounted on ply support frame work with laser cutting and backlit With LED Finishing includes covering with approved Veneer finish the outside of plywood, Teakwood beading at corners, skirting level and false ceiling level, etc. as per drawing. Approved MR Spec. As directed by Engineer-In-Charge.	911.812	SMT	9852	8983171.824	**9800**	**8935757.6**	10290	9382545.48
ITEM NO.575 Providing & Fixing in position, Acoustical Panelling made from Fabric wrapped Compressed polyester fibre nonwoven 9 mm panels on, 50 x 50 mm sal-wood frame of 600 x 600 c to c having wooden supports from wall of required length, in front of 1000 gsm synthetic wool 50 mm thick with chicken mesh on wall side, including cost of required Cut-Outs, decorative mouldings / finishing-items / paint & Scaffolding, as per Architectural & Acoustical Design & Instructions & Complete in all aspects including all materials labour,finishing etc complete SSR 51 01/352	1510.787	SMT	4845	7319763.015	**4819.5**	**7281237.9**	5070	7659690.09
ITEM NO. 576 PRIVIDING AND FIXING MODULAR ACOUCTICAL WOODEN WALL PANELLING : Of nominal width 100 / 150mm, having 80mm wide panel with 20mm reveal having a thickness of 15mm thickness and length 2400 mm. The panel shall be made of a Moisture resistant fibre board substrate having a minimum density of 595 Kg/m3 with a laminated facing as per the approved shade (Portland Maple, Sea Beech, Siam Wood & Mystique Walnut) and a melamine balancing layer on the reverse side. The panel shall have 0.7mm PVC edge banding along the length side with a similar finish as that of the face. The back of the panel shall have a black acoustic felt to cover the reveal of 20mm to attain an NRC of 0.4 for 150mm. / 0.5 for 100mm.	58.042	SMT	11489	666844.538	**11428.2**	**663315.6**	12000	696504

module (Average value of Absorption Co-efficient readings taken at 250 Hz, 500 Hz, 1000 Hz and 2000 Hz) as per ASTM C423. The panels shall provide a Humidity Resistance (RH) of 70% with camber limit less than 1mm/1000mm and bow less than 1mm/300mm. The back of the panels shall be profile-grooved to receive 3600mm special main beam carrier with integrated factory fitted clips for installation. SUSPENSION: The panels shall be upward mounted on 24 mm wide T - section flanges having rotary stitching along the length of the beam with a web height of 43mm. SSR 53.41								
ITEM NO 577 Providing and applying Wallpaper premium Qulaity Approved MR Spec. As directed by Engineer-In-Charge.	228.07	SMT	1659	378368.13	**1650**	**376315.5**	1740	396841.8
ITEM NO 578 Providing and supplying Banquet chairs with cushion of approved color. Complete as per specification provided by engineer incharge Approved MR	639	NOS	3016	1927224	**3000**	**1917000.0**	3150	2012850
ITEM NO 579MID BACK CHAIRProviding and supplying center pivot, revolving, Mid back chair Depth-45cm, width-50cm, height- 105cm to 115cm & seat height- 45cm to 55cm. (+/- 2cm) with five legged metal / moulded nylon base with push back arrangement. Chairs shall have high density moulded, 360 revolving on suitable base, gas lift , heavy duty twin wheel castors to take min 80 kg/castor with two - pneumatic height adjustment one piece moulded type polypropylene armrest etc. complete. The chair shall be provided with approved tapestry upto Rs 300/m with necessary beading wherever required. All metal work shall be Epoxy Polyster Powder Coated and as directed by Architect in charge. The over all appearance of the product shall be as per photograph. All metal work shall be Epoxy Polyster Powder Coated and as directed by Architect in charge.MCGM R3-CS-FUR-30	64	NOS	12566	804224	**12500**	**800000.0**	13130	840320
ITEM NO 580 HIGH BACK CHAIR Providing and supplying center pivot, revolving, High back chair Depth- 45cm, width- 50cm, height- 121cm to 131cm & seat height 45cm to 55cm. (+/- 2cm) with five legged metal /moulded nylon base with push back arrangement. Chairs shall have high density moulded, 360 revolving on suitable base, gas lift , heavy duty twin wheel castors to	31	NOS	15582	483042	**15500**	**480500.0**	16280	504680

take min 80 kg/castor with two - pneumatic height adjustment one piece moulded type polypropylene armrest etc. complete. The chair shall be provided with approved tapestry upto Rs 300/m with necessary beading wherever required. All metal work shall be Epoxy Polyster Powder Coated and as directed by Architect in charge. MCGM R3-CS-FUR-29								
ITEM NO. 581 Providing & Arrangemnt of High Back Chair - TILT MECHANISM WITH MULTILOCKING, HIGH DENSITY CUSHION ON SEAT COMPOSITE LEATHER WITH METALLIC SILVER FINISH BASE AND ARMS WITH P.U.CASTORS GASLIFT FOR HEIGHT ADJUSTMENT. SSR 51.41	15	NOS	16334	245010	**16247.7**	**243715.5**	17070	256050
ITEM NO.582 Providing & Arrangemnt of Mid Back, ECO CTS Mechanism , Fixed Armrest , Gaslift for Seat height adjustment, Standard 5-prong P/Nylon Base with Fabric Upholstery SSR 51.43	38	NOS	6882	261516	**6846**	**260148.0**	7190	273220
ITEM NO.583 VISITOR CHAIR Providing and supplying visitor chair having size Depth- 62cm, width-55cm, height-80cm & seat height 45 cm. (+/- 2cm), having seat & back, shall be made up of 1.2 cm hot pressed plywood, approved tapestry upto Rs.300/m and mould polyurethane foam with P.V.C. lipping all around etc. complete. The chair shall be provided with two one piece armrest made of polypropylene. The chair shall be supported by cantilever type powder coated tubular frame dia 2.54cm x 14 B.G. M.S. E.R.W. tube. All aluminium steel component shall have Epoxy Polyster Powder Coated. The chair shall be Ergonimc Dry film thickness shall be more than 45 Micron. And as directed by Architect in charge. The over all appearance of the product shall be as per photograph. All metal work shall be Epoxy Polyster Powder Coated and as directed by Architect in charge. MDGM - R3-CS-FUR-32	27	NOS	9550	257850	**9500**	**256500.0**	9980	269460
ITEM NO.584 Public Seating Chair - 3 Seater Providing and Fixing 3 seater Public seating chair made of complete metal with Legs in Crome finish and seates in silver powder coating finish. SSR 51.44	14	NOS	19059	266826	**18958.8**	**265423.2**	19910	278740
ITEM NO.585 Providing and fixing 20 mm thick Laminated sheet board pelmet box 150 to 200 mm	20.235	SMT	3349	67767.015	**3331.65**	**67415.9**	3500	70822.5

wide to doors or window frames including 20 mm dia. Aluminium curtain rod with sockets and finishing with french polishing (without top) etc complete.Spec. As directed by Engineer-In-Charge SSR - 37.15								
ITEM NO 586 Providing & fixing in position Stage flooring Made from 18mm plywood 1200 x 2400 & 18mm Teakwood planks 100 x 800 having tongue & grove on Sal-wood frame of 50 x 100 at 600mm c to c on stage surface including cost of required Cut-Outs, decorative mouldings / finishing-items / polish etc., as per Architectural & Acoustical Design & Instructions & Complete in all aspects. including all materials labour,finishing etc complete SSR 51.06/353	73.5	SMT	8671	637318.5	**8625.75**	**633992.6**	9060	665910
ITEM NO 587 RECEPTION TABLE Providing and Supplying Reception table of overall size 1650 X 750 X 750 mm made out of 19 mm thick Marine ply (IS 710 : 2010) top Sides and apron having Top and bottom horizontal patta. The table shall be externally and internally finished with 4mm thick group match veneer pattern with grooves including necessary lipping moudling and hardware.5 mm thick thoughened glass modesty shall be provided with 50 X 30 mm BTC wood frame etc complete. Antitermite treatement to marine ply and all wooden accessories on both sides for full faces before the joineries melamine polish on french polish base coat, hardware as per drawings. etc all complete as per Architects Drawing. MCGM R3-CS-FUR-23	14	NOS	40727	570178	**40512**	**567168.0**	42540	595560
ITEM NO 588 Providing and fixing Concierge table (3.30 m x 0.75 m + 3.60 m x 0.75 m) - 0 .60 m width for main counter made of 18 mm thk marine plywood including table top, with drawers, shutters main support, internal supports, table top to have frosted glass partition fixed on wooden supports, all external surfaces finished with approved laminate of 1.0 mm thk & all internal supports finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish. etc complete.loacation-atrium Approved MR Spec. As directed by Engineer-In-Charge	12.375	SMT	68159	843467.625	**67800**	**839025.0**	71190	880976.25
ITEM NO 589 LOUNGE SOFA Providing and Placing Lounge Chair are made of steel pipe 30 to 35 mm dia of 16 swg. Frame chrome plated, seat & back made of high density foam								

covered with tapestry approved by E-I- Charge. (Basic rate Rs. 300/- metre)and having steel arms at the side, available in the following option etc. complete. MCGM R3-CS-FUR-16								
3 seater R3-CS-FUR-16-c	4.00	NOS	15,960.00	63840	**15876**	**63504.0**	16670	66680
ITEM NO.590 Providing and fixing Sofa-3 seater with upholstry (office) Approved MR Spec. As directed by Engineer-In-Charge.	5.00	NOS	62,831.00	314155	**62500**	**312500.0**	65630	328150
ITEM NO.591 Providing and fixing Sofa-2 seater with upholstry . Approved MR Spec. As directed by Engineer-In-Charge.	5.00	NOS	32,672.00	163360	**32500**	**162500.0**	34130	170650
ITEM NO.592 Providing and fixing Sofa-1 seater with upholstry Approved MR Spec. As directed by Engineer-In-Charge.	5.00	NOS	18,598.00	92990	**18500**	**92500.0**	19430	97150
ITEM NO.593 Providing and fixing Full Height Wooden Partitions-Veneer finish made with MR grade Plywood & partly glazed with 10 mm thk toughned glass, nesesary support frames as directed. Finishing complete in all respects with melamine polish to all surafaces & beads, etc. as shown in the drawings.Approved MRSpec. As directed by Engineer-In-Charge.	60.00	SMT	16,587.00	995220	**16500**	**990000.0**	17330	1039800
ITEM NO.594 DEMOUNTABLE ALUMINIUM GLASS PARTITION - TYPE I Supply and instalaation of Demountable Modular Aluminium Frame Glass Partition, Singlre glazed system compromising of 10mm Toughnend Glass and Aluminium profile Sections of size 75MM x 30MM for fixing at Floor level and at false ceiling level with approximate brackets and expansion bolts of standardised S.S. Finish. All Hardware made of standardised S.S. finish etc. complete. The Profile features and double sided adhesive tape guarantees perfect structural union and sound insulation. Finishes exposed aluminium sections are anodized aluminium finish with 6463 T6 Grade. The Quantity for this item will be the glass panel of height 2100MM only. MCGM R3-CS-FUR-33	109.69	SMT	8294	909768.86	**8250**	**904942.5**	8670	951012.3
ITEM NO.595 Providing & fixing FULL HEIGHT BOTH SIDE LAMINATED PARTITION at required location having height more than 2.8 meter & minimum 77 mm thick made	53.78	SMT	7309	393078.02	**7270**	**390980.6**	7640	410879.2

by using 50 x 50 mm (finished size) approved quality seasoned TW section framing at 600 mm center to center,covered with 12 mm marine ply generally confirming to I.S.303 / I.S.710-1980 on both sides.The partitions shall be finished with 1.5 mm thk.approved quality laminate matt/suede/fine line finished lamination pattern with grooves on both sides with necessary lipping (BTC) moulding. Antitermite treatment to plywood and woodwork, door frame including all leads & lifts etc complete as per Architect's Drawing and instructions of Engineer In Charge. MCGM R3-CS-RM-125								
ITEM NO.596 Providing and fixing Partly glazed Sliding folding Partition wooden partition with veneer and melamine polish including mechanism Approved MR	113.627	SMT	18699	2124711.273	**18600**	**2113462.2**	19530	2219135.31
ITEM NO.597 Full Height Partitions in Glass finish - Providing and Fixing 80mm to 85mm thick Full height Double Skin partition up to 3 mtr height with All visible sections in Anodized / Powdercoated finish. Made up of Frames and Tiles. Frame construction In combinaton of Aluminium Rails and Bottom ,Center and Top members, Connected with 2 way Round Shape Post , 3way Post , 4 way Post made up of Aluminium Extruded and Tiles in 5mm thk. Non Toughened Glass on both side. With all the Joints in the partitions covered with PVC extrusions to provide better sound Proofing. Tiles to be separated 55mm from each other to provide adequate space for drawing cables for electric, data and telephone with proper facility for fixing electrical and data switch plates. as per design and drawing. SSR 52.5/447	51.6	SMT	8333	429982.8	**8288.7**	**427696.9**	8710	449436
ITEM NO.598 Providing and fixing double/single leaf wooden shutter for partly paneled partly glazed door 35mm without ventilator adopting sections and sizes as given in the standard specifications or as per detailed drawing, including fixtures and fastenings and finishing the wood work with veneer/laminate etc. including mouldings complete. (Without frame) Approved MR	47.52	SMT	16587	788214.24	**16500**	**784080.0**	17330	823521.6
ITEM NO.599DRESSING TABLE @400LX 400DX 1800HProviding & Fixing Dressing Table of size 400LX 400DX 1800H.The Dressing table unit is made up of 18mm thick Prelam Particle Board	10	NOS	18316	183160	**18219.6**	**182196.0**	19140	191400

with both side decorative laminate. All exposed edges are sealed with 2mm thick PVC edge Banding. The unit has one drawer and one shelf. The dressing table has a mirror of 4mm thick pasted on 18mm thick prelm particle board attached to the base unit. The mirror size considered is 1155 x 360 x 4(t). The mirror has been pasted using high quality 3M sticker.SSR - 51.56								
ITEM NO.600 Providing and fixing Dressing Tables (Size :-0.60 m X .45m) with 2 sets of drawer & shutter below, made of 19mm thick ply shutters , finished with approved Veneer on all outer faces complete as per drawings and directions. Cost includes provision of approved hinges, door magnets, handles, etc. as per drawings and specifications. Approved MR Spec. As directed by Engineer-In-Charge.	3.6	SMT	18598	66952.8	**18500**	**66600.0**	19430	69948
ITEM NO.601 WARDROBE WITH MIRROR @ 900LX 600DX 1965H Providing and Fixing Wardrobe with Mirror of size 900LX 600DX 1965H The wardrobe side panels and doors are made up of 18mm thick Prelam Particle Board with both side decorative laminate. All exposed edges are sealed with 2mm thick PVC edge Banding. The shelves are made of 18mm thick Prelam Particle Board with decorative laminate on both sides. The top is made of 36mm prelam particle board with decorative laminate on both sides. (18mm Prelam Particle board and 18mm batons on all sides to achieve 36mm overall thickness). The exposed edges of the top are sealed with 2mm thick PVC edge Banding. The top most part of the wardrobe has an aluminum hanger rod of EBCO make. One drawer of size 400(W) x 150(H) x 450 (D) made of 18mm thick prelam Particle Board has been considered. The drawer will have a multipurpose lock of EBCO premium make. The wardrobe handles are Satin SS finish of 160mm pitch. The wardrobe has a multipurpose lock of EBCO make. All hinges considered are Hettich make. Necessary good quality hardwares have been considered as required. SSR NO - 51.57	12	NOS	42633	511596	**42408.45**	**508901.4**	44530	534360
ITEM NO.602 Providing and fixing Gymnastic Equipment Complete per oylmpic size and standards as per Specification and drawings provided by the Engineer in Charge								

Approved MR								
Iron Gymnastic Spring Board	3	NOS	69215	207645	**68850**	**206550.0**	72300	216900
Vaulting Table Heavy Duty POWDER COATED Steel Base with anti-skid / non-marking pads for floor protection. Top covered by non-slip fabric with reactive foam for improved rebound. Height adjustable	3	NOS	76001	228003	**75600**	**226800.0**	79380	238140
Vaulting BOX Made of seasoned wood and coated with clear PU	3	NOS	95815	287445	**95310**	**285930.0**	100100	300300
Gym Bench - Classic Made of seasoned wood and coated with clear PU	4	NOS	38407	153628	**38205**	**152820.0**	40120	160480
Gymnastic Parallel Bars Heavy Duty POWDER COATED Steel Base with anti-skid / non-marking pads for floor protection. Connection lock allows 360 degree Swivelling, which prohibits rattling & movement. Bars made of fibreglass covered with wood. Height adjustment	2	NOS	118480	236960	**117855**	**235710.0**	123800	247600
Gymnastic Balance Beams Heavy Duty POWDER COATED Steel Base with anti-skid / non-marking pads for floor protection. Height adjustment. Double lock height adjustment system for safety Top covered with non-slip fabric.	1	NOS	72065	72065	**71685**	**71685.0**	75270	75270
Vaulting HorseHeavy Duty POWDER COATED Steel Base with anti-skid / non-marking pads for floor protection. Top covered by non-slip fabric with reactive foam for improved rebound. Height adjustable.	1	NOS	38407	38407	**38205**	**38205.0**	40120	40120
Pommel Horse Legs are made of heavy steel, pommel made of wood and top made of thick cushion covered with non tearing PVC coated fabric. Height is adjustable.	1	NOS	48043	48043	**47790**	**47790.0**	50180	50180
Uneven Bars Heavy Duty POWDER COATED Steel Base with anti-skid / non-marking pads for floor protection. Bars made of fibreglass covered with wood. Lower bar adjusts. Upper bar adjusts from. Includes easy adjustable cables with tensioners.	1	NOS	118480	118480	**117855**	**117855.0**	123800	123800
Horizontal Bar Uprights made of Heavy Duty POWDER COATED Steel. Pistons made of Heavy Steel & hot galvanized for longer life. Horizontal bar made of Stainless Steel mounted on column's head. Includes cables. Height adjustable from 175 cm to 285 cm with variation of 5 cm.	1	NOS	52793	52793	**52515**	**52515.0**	55150	55150
Trampoline - Eton	1	NOS	183216	183216	**182250**	**182250.0**	191400	191400
Gymntic Ring Twer	1	NOS	128930	128930	**128250**	**128250.0**	134700	134700
Swiss Ball	1	NOS	6786	6786	**6750**	**6750.0**	7090	7090
BARBELLS WITH various WEIGHT	1	NOS	135716	135716	**135000**	**135000.0**	141800	141800
CLIMBING ROPES (WHITE JUTE)	1	NOS	13572	13572	**13500**	**13500.0**	14180	14180
Wall Bar	1	NOS	61072	61072	**60750**	**60750.0**	63790	63790

Gymnastic Mat Foldable 2-3"	2	NOS	33929	67858	**33750**	**67500.0**	35440	70880
Balance Beam Safety Wrap	2	NOS	40715	81430	**40500**	**81000.0**	42530	85060
COLUMN & CORNER PAD	20	NOS	10857	217140	**10800**	**216000.0**	11340	226800
NON-FOLDING COMPETITION LANDING MAT	3	NOS	84144	252432	**83700**	**251100.0**	87890	263670
Tumbl Trak Gymnastic	1	NOS	20357	20357	**20250**	**20250.0**	21270	21270
Resi-Pit	1	NOS	16286	16286	**16200**	**16200.0**	17010	17010
3/4 SECTION TRAPEZOID TRAINER	1	NOS	17643	17643	**17550**	**17550.0**	18430	18430
ITEM NO 603 DINING CHAIR Providing and fixing SS (IS 6911:1992) grade of steel 304 Dinning chirs for dining Hall and dining Room area as per the drawing or approved size and shape including all lead lift shifting to work location etc. complete. MCGM R3-CS-FUR-25	51	NOS	8643	440793	**8597**	**438447.0**	9030	460530
ITEM NO 604 DINING TABLE Providing and Fixing Dining table of Overall S.S (IS 6911:1992),grade of steel 304, Thickness of the table is 40 mm Structure top to be Of s.s 18 SWG 304,Grit. Under Structure to be Vertical poles of 50 mm Dia (16 gauge 304 grade) and top and Bottomsupporting frame Structure to be 50 x 50 mm Square tube etc. complete. Glide shall be of Plastic fixed at the under structure to prevent the damage of table top during stacking. Legs shall be of SS and 38 mm dia (16 gauge 304 grades). pipe legs are fixed with under structure and table top etc. complete. MCGM R3-CS-FUR-24								
6 SEATER 1800 X 1000 X 750 MCGM R3-CS-FUR-24-b	12	NOS	45239	542868	**45000**	**540000.0**	47250	567000
ITEM NO 605 FOR KITCHEN PLATFORM Providing and constructing granite Kitchen platform with fixing of stainless steel sink 600 mm x 450 mm size as per detailed drawing including vertical both side polished kadappah stone 25 to 30 mm thick supports with kadappah top 35 to 40 mm thick and polished granite 16 to 20 mm top with side strips of granite at front and both sides of platform raised with two vertical granite supports 15 cm height and top granite of 75 x 40 cm including cutting, opening for sink of required size in kadappah as well as granite etc. complete.(Platform top size 1.5 m x 0.60 m and height is 0.75 m) Spec. As directed by Engineer-In-Charge. SSR- 41.78	11.52	SMT	10373	119496.96	**10318.35**	**118867.4**	10840	124876.8
ITEM NO.606 KITCHEN TROLLEYProviding and Fixing stainless steel kitchen	26.76	RMT	17021	455481.96	**16931.25**	**453080.3**	17780	475792.8

trolley of overall 26 " height and 22" depth,supported on aluminium pipes ,trolley basket made out of 5 mm stainless steel rod fitted on telescopic channel of size 1.5 " x 20 " x 22 " on both sides of trolley of 12 " or above size, panel having 40Kilogramload bearing capacity of trolley made out of 20 mm PUC coated plywood and colour combination as directed by E-I-C Inner side of panel covered by white mica ,100 mm s.s. decorative handle (The width and height of individual compartments shall be kept as directed by Engineer-in-charge)SSR 51.59								
ITEM NO.607 WORKSTATION TABLE TOP (OFFICE) Providing table top of required size fixed at a standard table top height of upto750mm min (including table top thickness) Table top shall be made of 25mm thick Marine ply (IS 710 : 2010) , FIRE RETARDENT laminate on unexposed face. All edges of the work surface shall be provided with machine pressed PVC edge banding of 2mm thickness etc. complete. Table top to be principally mounted from the partition frame with suitable MS powder coated brackets which should be integrated into the partition frame etc. complete. Execution of this item should be make as per the instructions of Achitect in Charge.								
Accessories Key Board Tray -. Size: - Width: 600mm, Depth: 270, Height: 70mm keyboard pullout tray made up of durable ABS (Acrylonitrile Butadiene Styrene) material provide with sliding telescopic channels. The tray hanged below the top by steel MS brackets. Finish: All steel components should be epoxy powder coated after seven tanks anti corrosion pre-treatment of surface. ABS wire managers to be provided where required for the table top. CPU Trolley: Size: - Width: 180mm Depth: 245mm, Height: 210mm Made up of press formed MS CR sheet Finish provisson for height & width adjustment. All steel components should be epoxy powder coated after seven tanks anti corrosion pretreatment of surface (Coating thickness 50 to 60 micron). MCGM R3-CS-FUR-06								
1200 X 600 MCGM R3-CS-FUR-06-a	14	NOS	6080	85120	**6048**	**84672.0**	6360	89040
ITEM NO.608 SECONDARY WORK TABLE TOP (OFFICE) Providing and supplying secondary work table top of	4	NOS	2823	11292	**2808**	**11232.0**	2950	11800

required size with top made of 8mm thick bevelled glass and under structure made of 18mm thick Marine ply (IS 710 : 2010) with all exposed edge are finished with 2mm thick machine pressed PVC edge banding in matching colour (Rehau Make/or Equivalent) for better impact resistance etc. complete. Nylon button stopper to hold glass top in position, Nylon bushers etc. complete. MCGM R3-CS-FUR-12								
900 x 500 R3-CS-FUR-12-a								
ITEM NO.609 Executive Table @ 2250Lx2100Dx750HT including Low Height Credestal @ 1200Lx450Dx650HT Providing & Fixing of Table @ 2250Lx2100Dx750HT TOP & GABLE END to be made of Membrane finish with soft water fall edges & curved panel & Decorated Anodized section MODESTY PANEL to be made of 18 mm thick Prelaminated particle board with PVC edge band. INCLUDING CREDESTAL @ 1200L X 450D X 650H :- To be made out of Membrane Finish (2 Openable Shutter & 3 Drawer Pedestal in between) as per drawing. SSR 51.24	6	NOS	45004	270024	**44766.75**	**268600.5**	47010	282060
ITEM NO.610EXECUTIVE OFFICE TABLEProviding and fixing of Modular table with fixed pedestal having 2 book drawers and 1 file drawer. Table top shall be made of 25mm thick Marine ply (IS 710 : 2010) , FIRE RETARDENT laminate on all sides / surfaces. Sides in 25mm Marine ply (IS 710 : 2010). All boards components like top, sides etc. are finished with 2mm thick machine pressed PVC edge banding in matching colour. (Rehau Make/or Equivalent) for better impact resistance. Other components like modesty pancls of 600mm height (apron) shall be made of 18mm thick Marine ply (IS 710 : 2010) in approved colour and shade as per pre-approved sample etc.complete.								
Fixed Pedestal Unit Width of drawer unit shall be of standard size of 450mm. Drawer tray shall of 18 mm thk Commercial Plywood (IS 303 : 1989) completely (bottom included) of size suitable to accommodate telescopic glides for smooth operation All visible edges of drawer trays shall have 2mm thk edge banding to match the colour of the fascia. Inside edge of trays shall have 0.8mm thk PVC edge banding to match the colour of the tray. Front Central lock to be provided for								

locking all drawers. Aluminium furniture feet – Round tube, diameter 40 mm with 10 mm height adjustable with steel mounting plate with suitable finish to match handles, 'C' Shape SS Brush finished handles as indicated in the drawing, suitable locking etc. complete.								
Accessories Key Board Tray -Size: - Width: 600mm, Depth: 270, Height: 70mm keyboard pullout tray made up of durable ABS (Acrylonitrile Butadiene Styrene) material provided with sliding telescopic channels. The tray hanged below the top by steel MS brackets. Finish: All steel components should be epoxy powder coated with seven tanks anti corrosion pre-treatment of surface. ABS wire managers to be provided wherever required for the table top								
CPU Trolley: Size: - Width: 180mm Depth: 245mm, Height: 210mm Made up of press formed MS CR sheet Finish provision for height & width adjustment. All steel components should be epoxy powder coated with seven tanks anti corrosion pretreatment of surface. (Coating thickness 50 to 60 micron). MCGM R3-CS-FUR-04								
2400 X 1050 X 750 R3-CS-FUR-04-k	2	NOS	37521	75042	**37323**	**74646.0**	39190	78380
ITEM NO 611 Conference Table @ 3600Lx1400Dx750HT Providing & Fixing of Main Table @ 3600Lx1400Dx750HT - made up of 18+18mm Thick MDF top with PVC Membrane finish and waterfall edge profile. Aluminium Anodized finish beeding of 4mm thich is running all over the table top edge. Gable ends is Aerofoiled Shape with front edges in PVC Membrane finish and rest in Prelaminated MDF with batton structure. Gable ends should be hollow from inside for the provision of passing electrical and Data wiring. , MODESTY PANEL:- to be made of 18 mm thick Prelaminated particle board with PVC edge band Access Flap - For Wire manager 2 Nos SSR 51 31	6	NOS	104612	627672	**104060.25**	**624361.5**	109300	655800
ITEM NO 612 CONFERENCE TABLEDISCUSSION TABLE Providing and fixing of Modular table of required size. Table top shall be made of 25mm thick Marine ply (IS 710 : 2010) , FIRE RETARDENT laminate on all sides / surfaces. Sides in 25mm Commercial Plywood (IS 303 : 1989) . All boards components	3	NOS	14250	42750	**14175**	**42525.0**	14890	44670

like top, sides etc. are finished with 2mm thick machine pressed PVC edge banding in matchingcolour. (Rehau Make/or Equivalent) for better impact resistance. Double modesty panel height max. 450mm of 18mm Marine ply (IS 710 : 2010) in approved colour and shade as per pre-approved sample. Modesty panels to be separated by min. 50mm clear gap between and cut-outs etc. to make to accommodate electrical/data switches/sockets where indicated. Cables from floor to the modestypanel should be concealed / fixed along with the table verticalsupports etc. complete. Adjustable levellers to be provided to supports.MCGM R3-CS-FUR-09								
1200 x 900 x 750 R3-CS-FUR-09-a								
ITEM NO.613 SINGLE BED Single Bed @ 2025LX 1000DX 650H Providing and fixing Single Bed of Size 2025Lx1000Dx650H with matress and pillow. Understructure: - The legs are made of Square tube of size 25 x 25mm made out of MS with a thickness of 1.2 mm. The legs should have corner brackets welded to it at two levels. The corner brackets are made of 2mm thick CRCA having a L shaped structure to join the side panels and headboard to the leg. Three nos. of Horizontal stiffeners are provided at equal intervals. The stiffeners are made of Square tube of size 25 x 25mm made out of MS with a thickness of 1.2mm. The middle Horizontal Stiffener has a leg attached to it to transfer the load to the ground and add to the strength and stability of the complete structure. This leg is also made of Square tube of size 25 x 25mm made out of MS with a thickness of 1.2mm. All Metal components to undergo 7 tank treatment process and should be powder coated to the thickness of minimum 50 Microns DFT.Side Panel: - The side panels are made up of 18mm thick Prelam Particle Board with both side decorative laminate. All exposed edges are sealed with 2mm thick PVC edge Banding. The overall width of the side panel is 150mm.								
The side panels have 18mm thick prelam particle board Baton running for required length to add rigidity to the structure. Head Board :- The head board is made up of 18mm thick Prelam Particle Board with both side								

decorative laminate. All exposed edges are sealed with 2mm thick PVC edge Banding. The head board size to be considered as 1000 x 650mm. Foot Board :- The foot board is made up of 18mm thick Prelam Particle Board with both side decorative laminate. All exposed edges are sealed with 2mm thick PVC edge Banding. The head board size to be considered as 1000 x 450mm.								
Bed Base: - The Bed Base is made up of 12mm thick Prelam Particle Board with both side White laminate SSR 51.55	8	NOS	20443	163544	**20335.35**	**162682.8**	21360	170880
ITEM NO 614 Providing and supplying Single bed (size- 1.95 m x 0.90 m) - made of 18 mm thk plywood including top all surfaces finished with approved laminate of 1.0 mm thk as shown in the drawings. Approved MR Spec. As directed by Engineer-In-Charge.	2	NOS	29656	59312	**29500**	**59000.0**	30980	61960
ITEM NO 615 Providing and installation of square/Circular shape crystal golden/Silver finish TYPE 1 ceiling mount and flush mount chandelier/ LED Chandelier, including fixtures, fittings & scaffolding complete as per specication provided by engineer incharge Approved MR	10	NOS	60318	603180	**60000**	**600000.0**	63000	630000
ITEM NO 616 Providing and installation of square/Circular shape crystal golden/Silver finish TYPE 2 ceiling mount and flush mount chandelier/ LED Chandelier, including fixtures, fittings & scaffolding complete as per specication provided by engineer incharge.Approved MR	5	NOS	120636	603180	**120000**	**600000.0**	126000	630000
ITEM NO 617 Providing and installation of square/Circular shape crystal golden/Silver finish TYPE 3 ceiling mount and flush mount chandelier/ LED Chandelier, including fixtures, fittings & scaffolding complete as per specication provided by engineer incharge Approved MR	2	NOS	351855	703710	**350000**	**700000.0**	367500	735000
ITEM NO 618 Providing and fixing Mirror Panelling with 12mm thick commercial BWR plywood / MDF mounted on ply support frame work. Finished with veneer Border frame and melamine polish. Teakwood beading at corners, skirting level and false ceiling level, etc. as per drawing. Basic cost	326.025	SMT	5630	1835520.75	**5600**	**1825740.0**	5880	1917027

of veneer Rs. 135/- per sq.ft. Spec. As directed by Engineer-In-Charge. Approved MR								
ITEM NO.619 Stainless steel nameplate : Providing and Fixing the 150mmx50mm Stainless steel nameplate as per specification provided by engineer incharge. Approved MR	15	NOS	276	4140	**275**	**4125.0**	290	4350
ITEM NO.620 Supply and installation of digital projector having Full HD 1080p resolution with White and Colour Brightness at range of 3000-4000lm,HDMI port, USB port, AV port, computer port with spring loaded white screen connected with necessary copper mains, required switchgears, complete as per specifcation provided by engineer in charge. Approved MR	3	NOS	180954	542862	**180000**	**540000.0**	189000	567000
ITEM NO.621 Supply and installation of 7000 Lumens Smart 4K UHD HDR Laser Projector, With 3M:1 contrast ratio, With 8.3 mega pixels utilizing 4K UHD (3840 x 2160) resolution, 7,000 ANSI Lumens Brightness. USB port, AV port, computer port with spring loaded white screen connected with necessary copper mains, required switchgears, complete as per specifcation provided by engineer in charge. Approved MR	3	NOS	814293	2442879	**810000**	**2430000.0**	851000	2553000
ITEM NO.622 Providing & Fixing in position, Carpet more than 800+ gsm, made with 100% stain proof fibres of approved make along with 5mm underlay as per Architectural & Acoustical Design & Instructions & Complete in all aspects including all materials labour, finishing etc complete SSR 51.13/354	1193.48	SMT	1531	1827217.88	**1522.5**	**1817073.3**	1600	1909568
ITEM NO.623 Providing & Fixing Rod (2meter length) & Accessories for Carpet on Steps including brass finish. etc. as per architect's instructions Approved MR Spec. As directed by Engineer-In-Charge.	50	NOS	1206	60300	**1200**	**60000.0**	1260	63000
ITEM NO.624 Providing and fixing Studio table (3.05 m x 0.90m)made of 18 mm thk plywood including table top, Side credenza with two drawers, two shutters main support, internal supports, all external surfaces finished with approved laminate of 1.0 mm thk & all internal supports finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish. etc complete. Approved MR Spec. As directed by Engineer-In-Charge.	**2.2875**	SMT	24077	55076.1375	**23950**	**54785.6**	25150	57530.625

ITEM NO 625 Providing & Supplying Audio Console Rack - (Size-0.60 m x 1.80 m) Approved MR Spec. As directed by Engineer-In-Charge	2	NOS	23625	47250	**23500**	**47000.0**	24680	49360
ITEM NO 626Providing and supplying Cafe table (Square shape) - with laminate finish (table size -out of 0.90 m x 0.90 m) All wooden surfaces finished with melamine polish with moulding finish.location :-Kitchen & CafeApproved MRSpec. As directed by Engineer-In-Charge	10	NOS	26640	266400	**26500**	**265000.0**	27830	278300
ITEM NO 627 Providing and supplying standard Bench seating (size - out of 3.00m x 0.60 m) . as shown in the drawings.location :-Kitchen & Cafe Approved MR Spec. As directed by Engineer-In-Charge	10	NOS	33678	336780	**33500**	**335000.0**	35180	351800
ITEM NO 628 Providing and supplying standard High bench seating (size - out of 11.30 m x 0.60 m) . as shown in the drawings.location :-Kitchen & Cafe Approved MR Spec. As directed by Engineer-In-Charge.	30	SMT	16889	506670	**16800**	**504000.0**	17640	529200
ITEM NO 629 Providing and supplying Center table - type 01 Table Top with Toughened Glass & Metal Legs with natural wooden polish Approved MR Spec. As directed by Engineer-In-Charge	8	NOS	12868	102944	**12800**	**102400.0**	13440	107520
ITEM NO 630 Providing and supplying Center table - (Square / Round shape) - with laminate finish (table size -out of 1.20 m x 1.20 m) All wooden surfaces finished with melamine polish with moulding finish. Approved MR Spec. As directed by Engineer-In-Charge	8	NOS	17593	140744	**17500**	**140000.0**	18380	147040
ITEM NO. 631 Providing and supplying Corner table Top with Toughened Glass & Metal Legs with natural wooden polish Approved MR Spec. As directed by Engineer-In-Charge	5	NOS	13572	67860	**13500**	**67500.0**	14180	70900
ITEM NO. 632 BUNK BED Providing and positioning bunk bed made out of approved colour, powder coated, M.S. (IS 513:2008) pipe frame and angle supports. Two end frames shall be made out of 16 guage and 40 mm dia M.S pipes as vertical supports and 16 guage 25 mm dia M.S pipes along with 40 x 40 x 6 mm M.S angle lateral frame to recieve 12mm thk marine grade ply base for 100 mm thk	6	NOS	66368	398208	**66018**	**396108.0**	69320	415920

,100 density coir mattress etc. complete. Edges of the base ply shall be sealed with 6mm thk T.W lipping. Two nos of 25 mm dia 16 guage pipe supports shall be provided to support both the base ply and ladder and with necessary Nylon bushers for pipe ends touching to floor and with approved colour powder coating and complete as per the instructions of the Architect or Engineer in charge. Note: This item shall be made in knock down type of arrangement. MCGM R3-CS-FUR-27								
ITEM NO 633L - SHAPE WORKSTATION TABLE TOP WITH ONE GABLE ENDSUPPORTProviding table top of required size fixed at a standard table top height of upto750mm min (including table top thickness). Table top shall be made of 25mm thick Marine ply (IS 710 : 2010), FIRE RETARDENT laminate on all sides/ surfaces. All edges of the work surface shall be provided withmachine pressed PVC edge banding of 2mm thickness etc.complete. Table top to be principally mounted from the partition frame with suitable MS powder coated brackets which should be integrated into the partition frame. Gable End Supports of appeoved profile and design between tables consisting of 18mm Marine ply (IS 710 : 2010)panels duly edge bound (to be integrated with the partition.Adjustable levellers to be provided to supports.) etc. complete.								
Accessories Key Board Tray - Size: - Width: 600mm, Depth: 270, Height: 70mm keyboard pullout tray made up of durable ABS (Acrylonitrile Butadiene Styrene) material provide with sliding telescopic channels. The tray hanged below the top by steel MS brackets. Finish: All steel components should be epoxy powder coated after seven tanks anti corrosion pre-treatment of surface. ABS wire managers to be provided where required for the table top. CPU Trolley: Size: - Width: 180mm Depth: 245mm, Height: 210mm Made up of press formed MS CR sheet Finish provision for height & width adjustment. All steel components should be epoxy powder coated after seven tanks anti corrosion pre-treatment of surface. (Coating thickness 50 to 60 micron) MCGM R3-CS-FUR-07								
1500 X 600 & side 900 x 600 MCGM R3-CS-FUR-07-b	5	NOS	13680	68400	**13608**	**68040.0**	14290	71450
ITEM NO 634 CHANNELLED WALL PANELLING								

CHANNELLED WALL PANELLING OF SIZE: 192X2400X15MM Providing and Fixing Channelled perforated panels of width 192mm, thickness of 15mm and length 2400 mm, made of a Moisture resistant fibre board substrate with a laminated facing as per the approved shade (Portland Maple, Sea Beech, Siam Wood & Mystique Walnut, Interior White, Alumina Pearl) and a melamine balancing layer on the reverse side. The boards shall have a special perforation pattern where the reverse surface has a "Helmholtz" fluted perforation with consecutive 3mm wide groove followed by 13mm or 21mm of visible pane (G-13/ G-21). The edges of the panel shall be "tongue-and- grooved" to fix special clips for installation and seamless visual. The back of the perforated panel shall have sound absorbing non-woven Soundtex acoustical fleece hot pressed to achieve NRC of 0.5 for G-21 and 0.6 for G-13. (Average value of Absorption Co-efficient readings taken at 250 Hz, 500 Hz, 1000 Hz and 2000 Hz) as per ASTM C423 and Humidity Resistance (RH) of 70% with camber limit less than 1mm/1000mm and bow less than 1mm/300mOne Metric Tonnche panels shall be mounted on special aluminium splines (keel) using inside clips provided by Manufacturer and approved by the Architect/ Engineer-in-Charge.								
Installation. An appropriate vapour barrier (by others) shall be applied/installed on the vertical surface before the installation to properly seal against entry of any moisture. Vapour barrier (by others) shall be installed as per Manufacturer's recommendation. Install wooden batten grid (provided by others) of section 50x50mm or as approved by the Architect on the solid wall/partition to provide level and plumb surface for fixing Keel. Install Keel vertically using screws and plugs at spacing of not more than 600mm centre- to-centre. The first and last keel should not be more than 150mm from the ends. Trim the tongue of the first bottom panel and install using headless nail with groove side upward. Subsequent panels are installed with tongue side downward by engaging with each other using tongue and groove mechanism and secured by inside clip. Continue this process until required height is achieved. Shorter butt edges need to be joined using industrial/wood glue. The keel shall also be	28.29	SMT	5279	149342.91	**5251.05**	**148552.2**	5520	156160.8

used for transition of the butt end of adjacent panel at every 7.2m. Install the Skirting (provided by others) of width 50mm or more as required by the Architect/ Engineer-in-Charge. Finish off the edges using wooden moulding of matching colour (by others). Installation should be carried out as per Manufacturer recommended procedure SSR 51.233								
ITEM NO.635 CABIN SOFA Providing and supplying wooden sofa made with minimum 19mm Marine ply (IS 710 : 2010) structure and internal frame work made of C.P. teak / Maranti wood seat made with minimum 19mm. Marine ply (IS 710 : 2010) and cushion made with foam of 150mm thick - 32 density on seat covered with 14mm thick - 18 density foam. Back made with wooden frame of minimum 50mm X 40mm with 4 mm. ply and covered with foam of 100mm thick - 32 densities covered with 14mm thick - 18 density foam for back extra support to the shape all foam of seat and back covered with tapestry approved by E-I-Charge. (Basic rate Rs. 450/- metre.) Handle made with wooden frame with box of 12mm. ply covered with 14mm thick - 18 density foam with tapestry etc. complete. MCGM R3-CS-FUR-17								
3 seater R3-CS-FUR-17-c	1	NOS	53200	53200	**52920**	**52920.0**	55570	55570
1 seater R3-CS-FUR-17-a	1	NOS	18050	18050	**17955**	**17955.0**	18860	18860
ITEM NO.636 SIDE / BACK CREDENZA (750mm) Providing and supplying Modular Side/Back Credenza made up of required size. Top made of 25mm Marine ply (IS 710 : 2010), having post formed decorative laminate of 0.8mm on top and FIRE RETARDENT laminate on all sides / surfaces. Sides, Sides in 25mm thk Marine ply (IS 710 : 2010). Adjustable shelf made in 25mm thk Marine ply (IS 710 : 2010) placed on standard shelf pins. Storage Back made of 9mm thick Marine ply (IS 710 : 2010) etc. complete. Sides, Shutters, Bottom, adjustable shelf, finished 2mm thick machine pressed PVC Edge banding of required size etc. Hardware set to include 110 degree opening self- closing box hinges, Counter Sunk screw, S.S.Brush Finished, Handles L' Clips Selves								

support. Multipurpose lock, Levelling Bolt with inserts etc. complete Aluminium furniture feet – Round tube, diameter 40 mm with 100 mm height with suitable finish to match handles" Shape SS Brush finished handles as indicated in the drawing provided by architect,suitable locking provision. Execution of this item should be make as per the instructions of Achitect in Charge. MCGM R3-CS-FUR-13								
1200 x 500 x 750 R3-CS-FUR-13-b	4	NOS	13300	53200	**13230**	**52920.0**	13900	55600
ITE M NO 637STAFF OFFICE TABLEProviding and fixing of Modular table of required size. Table top shall be made of 25mm thick Marine ply (IS 710 : 2010), FIRE RETARDENT laminate on all sides / surfaces. Sides in 25mm Marine ply (IS 710 : 2010). All boards components like top, sides etc. are finished with 2mm thick machine pressed PVC edge banding in matching colour. (Rehau Make/or Equivalent) for better impact resistance. Other components like modesty panels of 600mm height (apron) shall be made of 18mm thick Marine ply (IS 710 : 2010) in approved colour and shade as per pre-approved sample etc. complete.								
Accessories Key Board Tray -Size: - Width: 600mm, Depth: 270, Height: 70mm keyboard pullout tray made up of durable ABS (Acrylonitrile Butadiene Styrene) material provided with sliding telescopic channels. The tray hanged below the top by steel by MS Brackets. Finish. All steel components should be epoxy powder coated with seven tanks anti corrosion pre-treatment of surface. ABS wire managers to be provided wherever required for table top CPU Trolley : - Width: 180mm Depth: 245 mm, Height: 210mm Made up of press formed MS CR sheet Finish provision for height & width adjustment. All steel components should be epoxy powder coated with seven tanks anti corrosion pre-treatment of surface. (Coating thickness 50 to 60 micron). MCGM R3-CS-FUR-01								
1500 x 750 x 750 R3-CS-FUR-01-f	2	NOS	20263	40526	**20156**	**40312.0**	21170	42340
ITEM NO 638 Float glass sheet of nominal thickness 5mm. MCGM MA-BLD-AW-8	5.85	SMT	974	5697.9	**968.76**	**5667.2**	1020	5967
ITEM NO 639 COMPUTER TRAINING TABLE Providing and fixing of Modular table of required size. Table top shall be made of								

25mm Marine ply (IS 710 : 2010) , FIRE RETARDENT laminate on all sides / surfaces. Sides in 25mm Marine ply (IS 710 : 2010). All boards components like top, sides etc. are finished with 2mm thick machine pressed PVC edge banding in matching colour. (Rehau Make/or Equivalent) for better impact resistance. Other components like modesty panels of 600mm height (apron) shall be made of 18mm thick Marine ply (IS 710 : 2010) in approved colour and shade as per pre-approved sample etc. complete.								
Accessories Key Board Tray - 2 Nos. Size: - Width: 600mm, Depth: 270, Height: 70mm keyboard pullout tray made up of durable ABS (Acrylonitrile Butadiene Styrene) material provide with sliding telescopic channels. The tray hanged below the top by steel MS brackets. Finish: All steel components should be epoxy powder coated after seven tanks anti corrosion pre-treatment of surface. ABS wire managers to be provided where required for the table top. CPU Trolley: 2 Nos. Size: - Width: 180mm Depth: 245mm, Height: 210mm Made up of press formed MS CR sheet Finish provision for height & width adjustment. All steel components should be epoxy powder coated with seven tanks anti corrosion pre-treatment of surface. (Coating thickness 50 to 60 micron).								
1200 x 600 x 750 R3-CS-FUR-03-a	28	NOS	11400	319200	**11340**	**317520.0**	11910	333480
ITEM NO.640 Providing and fixing 80mm thk. Glass bricks of approved make, size and type in glass block adhesive including filling joints with glass block grout, cleaning etc. complete as directed by Engineer in charge. MCGM R3-CS-FL-19	12	SMT	2287	27444	**2275**	**27300.0**	2390	28680
ITEM NO. 641NATURAL BAMBOO WALL PANELLING FOR CASH COUNTERProviding & fixing of Wooden Grill panel with backer made of natural bamboo with 24mm Face black exposed grid. The Grill panels shall be made of rapidly renewable natural bamboo core having density 600+Kgs/m3 as per BS EN323 (1993) and bending strength of 96+ N/mm2 as per BS EN310 (1993). The Grill panel shall have a seven layer UV coating of thickness 0.09- 0.11mm as per BS EN71 finished to natural or carbonized shades. The Grill panel shall be of nominal size 35x300x2400mm comprising 8 blades/slats of 35x16x2376mm with centre to	3	SMT	19793	59379	**19688.55**	**59065.7**	20680	62040

centre spacing of 37.5mm fixed through Backer of size 12x22x300mm having centre to centre spacing of 300mm and additional end backers at 150mm from both the edges. The Grill panel shall have a fire performance of Class A according to ASTM-E84. The Grill panel shall have moisture content of 8-14% as per IS 1708 (Part 1):1986 and a Humidity Resistance (RH) of 70% SSR 53.45								
ITEM NO.642 TOUGHNED FIXED GLASS Providing and fixing 12mm thk toughened etched glass as per the design, as per the design. Glass to be fixed at top & bottom in heavy guage aluminium 'c ' channel concealed in floor & boxing. Cost to be inclusive of silicon sealant to the periphery of the glass as directed. MCGM R3-CS-AW-19	61.78	SMT	1698	104902.44	**1689**	**104346.4**	1780	109968.4
ITEM NO.643 SS ROD FOR BACKREST AT VIEWING SEATING AREA Providing, detailing, and fabricating as per specifications, transporting to site and erecting ladder / railing using stainless steel hollow pipes of grade 304 including, S.S. fixtures and fastenings, cleats, stiffeners, gussets etc. and all necessary operations straightening, bending, like cutting, drilling, welding, grinding and removing the welding burr, machining if specified, finishing, cleaning etc. complete as directed by Engineer In Charge. MCGM - R3-CS-SS-23	132	KG	623	82236	**620**	**81840.0**	660	87120
ITEM NO. 644 FROSTED GLASS FILM FOR GLAZING WINDOW Providing &Fixing frosted film manufactured by 3 M approved equivalent on glass partition wherever required as per the instruction of Architect. MCGM R3-CS-RM-137	695.52	SMT	1306	908349.12	**1299**	**903480.5**	1370	952862.4
ITEM NO. 645 WOODEN DIAS WOODEN DIAS : Providing and fixing Wooden Dias of size 600 x 600 x 1420 mm height in as per the detail specification given below. Top size (600 x 600 mm) side (600 x 1420 mm), front side (600 x 1420 mm) made up in 19 mm thick Marine Plywood (IS 710 : 2010) of requisite manufacturer's viz. Green / Anchor / Centuary or equivalent approved make including necessary facias etc. with necessary lipping (BTC), mouldings as required including cutting, fixing, finished with 1 mm thick	1	NOS	13013	13013	**12944**	**12944.0**	13600	13600

laminate of approved make ,type , colour and shade of glossy / Matt / Suede / Fine / Line / Wood grain finished lamination pattern with / without grooves as required to exposed surface and edges and the internal / hidden surface shall be finished with 0.80 mm thick laminate of approved make. Area other than laminated surfaces shall be finished with two coats of French polish of approved shade. Antitermite treatment to plywood and woodwork with ten years guarantee bond etc. including all leads lifts etc complete as per the instructions of the Architect & Engineer-in-charge. MCGM R3-CS-FUR-26								

वरील कामी **मे. गजानन कंस्ट्रक्शन** यांनी **रु.40,12,86,923/- (अंदाजपत्रकिय दराची)** निविदा सादर केल्या आहेत. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. महाराष्ट्र शासन, शासन निर्णय क्रमांक :- मनपा-2024/प्र.क्र.221/नवि-16 (ई-815728)दि.05 सप्टेंबर 2024 अन्वये सदर कामास तत्वत: मान्यता देऊन सदर कामासाठी रु.2.00 कोटी रक्कम मंजुर केल्याने रु.2.00 कोटीच्या मर्यादेत काम करणे आवश्यक आहे. पुढील काम टप्प्याटप्प्याने निधी मंजुर झाल्यानंतर करावयाचे आहे. त्यानुसार निधी उपलब्धतेप्रमाणे टप्प्याटप्प्याने कार्यादेश देण्यात येतील.

नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील कामास महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार मान्यता देण्यास शिफारस आहे.

(दिपक खांबित)
शहर अभियंता
मिरा-भाईंदर महानगरपालिका

मा. आयुक्त यांच्या मान्यतेने

प्रशासकीय
मा. ~~सभा / स्थायी समिती सभा~~
बैठक दि. 05/02/2025 ठेव ~~रक्कम~~ रु. 2.00 कोटी
ठराव क्र. ३७३ मि. २०२४-२५

लिपीक
सचिव विभाग
मिरा-भाईंदर महानगरपालिका

PCR/DK/24-25/PG-87

मिरा-भाईंदर महानगरपालिका

प्रशासकीय ठराव दिनांक 05/02/ 2025

प्रकरण क्र. (४२५) :- निविदेस मान्यता देणेबाबत.

ठराव क्र. (४२५)

अ. क्र	टेंडर आय डी	कामाचे नाव	अंदाजित खर्च	निविदाधारकाचे नाव
1	2	3	4	5
1.	1129086_1	मिरा भाईंदर महानगरपालिका हद्दीतील सर्व आरक्षणे व सुविधा भुखंड विकसित करणे. (मुलभुत सोई सुविधांचा विकास)	₹.40,12,86,923/-	मे. गजानन कंस्ट्रक्शन मे. बिटकॉन इंडिया इन्फ्रास्ट्रक्चर डेव्हलोपर्स प्रा.लि.,

Item Description	Qty	Unit	M/s. Gajanan Construction				M/s. Bitcon India Infrastructure Developers Pvt Ltd	
			Quated Rate	Quated Amount	Final Rate	Final Amount	Rate	Amount
ITEM NO 01 Dismantling brick masonry in lime or cement mortar and stacking the materils as directed with all leads, lifts etc. SSR 46 09/296	25	CMT	354	8850	**351.75**	**8793.8**	370	9250
ITEM NO 02 Dismantling stone masonry in lime or cement mortar including stacking the materils as directed with all leads, lifts etc. SSR 46 11/296	123.5	CMT	401	49523.5	**399.00**	**49276.5**	420	51870
ITEM NO 03 Dismantling the R C C Work 1 2 4 and sorting out the materials such as steel etc. as directed and stacking them within the specified lead as directed etc. complete. SSR 46 29/297	45.53	CMT	1532.00	69751.96	**1,523.55**	**69364.5**	1600	72848
ITEM NO 04 Removing cement tiles, or marble or polished shahabad floor or dado without bed concrete including stacking the materials as directed with all leads, lifts etc. complete SSR 46 19/297	6.62	SMT	48.00	317.76	**47.25**	**312.7**	50	331
ITEM NO 05 Dewatering on BHP basis by using water pump including diversion of stream, providing cofferdams, earthern bunds etc. as may be necessary for foundation and other parts of the the works and pumping out water during and after excavation as may be required by using 10 0 to 19 0 BHP pump etc. complete. (prior approval of Superintending Engineer will be necessary) SSR 12 24/86	720	HRS	235	169200	**234.15**	**168588.0**	250	180000

ITEM NO 06 Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical Means SSR 21.02 / 153	5884.1	CMT	219.0	1288617.9	**217.35**	**1278906.1**	230	1353343
ITEM NO 07 Excavation for foundation in earth, soils of all types, sand,gravel and soft murum, including removing the excavated material upto a distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift from 1.5m to 3.0m) By Mechanical Means SSR 21.04 / 153	365.8	CMT	272.0	99497.6	**270.90**	**99098.3**	290	106082
ITEM NO 08 Excavation for foundation in earth, soils of all types, sand,gravel and soft murum, including removing the excavated material upto a distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift from 3m to 4.5m) By Mechanical MeansSSR 21.04/153 Pg 6/ xix a	150.6	CMT	327.0	49246.2	**325.08**	**48944.9**	350	52710
ITEM NO 09 Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layers including watering and compacting etc. complete. SSR 21.36/157	1280.1	CMT	127.0	162572.7	**126.00**	**161291.6**	140	179214
ITEM NO 10 Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete. SSR 21.37 / 157	5120.4	CMT	1219.0	6241767.6	**1,212.59**	**6208906.8**	1280	6554112
ITEM NO 11 TRANSPORTING OF EXCAVATED MATERIALS lead 20.00 k.m. SSR in Statement C 1 (Page 560)	5120.4	CMT	471.0	2411708.4	**468.37**	**2398226.7**	500	2560200
ITEM NO 12 Providing preconstructional antitermite treatment as per I.S. 6313 (Part-I) to the soil along the external face of building by punching holes of 1.2 of 1.5	2995.0	SMT	186.0	557070	**184.80**	**553476.0**	200	599000

C.M. diametre about 30 -60 cm deep at 15 cm c/c as close to the wall as possible and to inject 0.5 percent of aldrin or clorophyrifos at the rate of 7.5 litres per hole and sealing the same with proper filling and covering 10 years guarantee on bond paper. SSR'21.25/156								
ITEM NO 13 Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete SSR 21.38 / 157	1624.6	CMT	3258.0	5292946.8	**3,240.42**	**5264290.7**	3410	5539886
ITEM NO 14 Providing and laying Cast in situ/Ready Mix cement concrete in M20 of trap/ granite/quartzite/gneiss metal for bed blocks, foundation blocks and such other items including bailing out water, Steel centering, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed), with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc complete. With fine aggregate (Crushed sand VSI Grade) SSR 24.10/176	1030.7	CMT	8436.0	8694985.2	**8,391.86**	**8649039.0**	8820	9090774
ITEM NO 15 Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchion etc. columns as per detailed designs and drawing or as directed including Steel centering formwork, cover blocks laying/pumping, compaction finishing the formed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) SSR 25.15/178	183.6	CMT	9179.0	1685264.4	**9,130.61**	**1675971.4**	9590	1760724

ITEM NO 16Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap / granite /quartzite/ gneiss metal fo R.C.C. columns as per detailed designs and drawing or as directed including steel centering, formwork,cover blocks laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)SSR 25.35/180	62.3	CMT	16229.0	1011066.7	**16,143.56**	**1005072.2**	16960	1056608
ITEM NO 17 Providing and laying Ready Mix cement concrete M-45 of trap / granite/quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc complete.(Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) SSR 25.39/181(RA)	11.6	CMT	16526.0	191701.6	**16,439.22**	**190563.4**	17270	200332
ITEM NO. 18 Providing and laying Cast in situ/Ready Mix cement concrete in M-30 of trap/ granite/ quartzite/ gneiss metal for R.C.C. pardi of required thickness including steel centering, formwork, cover blocks, laying/pumping, compacting and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed	85.5	CMT	18190.0	1555245	**18,094.46**	**1546262.1**	19000	1624500

sand VSI Grade) omplete. (prior approval of superinteding Engineer will be necessary) SSR no. 26.19/185(RA)								
ITEM NO 19 Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/ pumping, compactionand roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) SSR 25.54 /181	784.6	CMT	14630.0	11478698	**14,552.81**	**11418665.9**	15290	11996534
ITEM NO 20 Providing and laying Cast in situ/Ready Mix cement concrete M-30 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) SSR 25.74 / 183	313.1	CMT	16386.0	5130456.6	**16,300.01**	**5104178.8**	17120	5360272
ITEM NO 21Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.SSR 26.33 / 188	231.2	MT	94687	21891634.4	**94,188.15**	**21776300.3**	98900	22865680
ITEM NO 22 Providing and fixing in position to the exact profile and prestressing the high tensile strands to specified ultimate strength, standard end anchorages, cable ducts,	13.5	MT	195385	2637697.5	**1,94,355.00**	**2623792.5**	204100	2755350

grouting ducts after prestressing and bearin plates with wedges as per detailed drawings including necessary plant and machinery for prestressing etc. complete. SSR 14.06 (Providing, installing & Stressing Tendons for PT Beams)								
ITEM NO 23 Providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates etc. as per detailed designs and drawings or as directed including cutting, fabricating, hoisting, erecting fixing in position, Making riveted/ bolted/ welded connection and one coat of anticorrosive paint and over it 2 coats of oil painting approved quality and shade etc. complete. SSR 23.04 /173	10	MT	126097	1260970	**1,25,431.95**	**1254319.5**	131800	1318000
ITEM NO 24 Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted /welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete. SSR 23.01/173	15	MT	107503	1612545	**1,06,936.20**	**1604043.0**	112300	1684500
ITEM NO 25 Providing and fixing double scaffolding system (cup lock type) on The exterior side of building/structure, including additional rows of scaffolding in stepped manner as per requirement of site, made with 40mm dia M.S. tube, placed 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube challis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and/ or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc., complete as per directions and approval of Engineer-in-charge. Note:- (1) The elevational area of the scaffolding shall be measured for payment purpose. (2) The	6816	SMT	295	2010720	**292.95**	**1996747.2**	310	2112960

payment will be made once only for execution of all items for such works. SSR 46.42/299								
ITEM NO 26 Providing and fixing 20 to 25 mm thick rough shahabad box type waterproofing for basement or underground floor on a base of Cement concrete 1:3:6, including sub base of 2.50 centimeter thick Cement mortar 1:3 with conceal, secrete (RMW), Algae proof or other alike waterproofing liquids, raking of joints upto 35 mm depth, filling the joints with 6 mm size crushed metal, hand grouting with cement slurry, curing and cleaning, with 7 years guarantee on court fee stamp of Rs. 100/- with ponding test etc complete. (excluding Cement concrete 1:3:6 base concrete) SSR 31.12/206	180.93	SMT	1383	250226.19	**1,375.49**	**248867.4**	1450	262348.5
ITEM NO 27Providing and fixing 20 to 25 mm thick rough shahabad box type waterproofing treatment to vertical outside faces of Reinforced Cement concrete walls of basement or underground floor including filling the gap of 25 mm between rough shahabad and R.C.C. walls with cement grout mixed with wate proofing liquid Algae proof or other alike with one tile lift method, brushing the joints horizontally with cement slurry mixed with water proofing liquid for width 30 to 35 mm and sloping coping over topmost tile with cement mortar 1:3 butting the bottom most with Cement concrete 1:2:4 mixed with water proofing liquid, curing, with 7 years guarantee on court fee stamp of Rs.100/- with ponding test etc complete. (excluding Cement concrete 1:3:6 base concrete)SSR 31.13/207	284.85	SMT	1438	409614.3	**1,430.09**	**407361.1**	1510	430123.5
ITEM NO 28 Providing waterproofing in W.C. and bath including brick bat coba in all position including providing and laying 12mm bedding in cement mortor 1:3 on vergin concrete slab with waterproofing compound @ 1Kilogram/per bag of cement laying brick bat coba of required thickness in cm 1:5 with waterproofing compound 1 Kilogram/bag of cement grouting and finishing the top layer with 20mm thick brick bedding in cm mortor 1:3 with waterproofing compound 1 Kilogram/per bag of cement	45.4217 4	CMT	7973	362147.53 3	**7,930.50**	**360217.1**	8330	378363.0942

and testing the treated portion for 48 hours by pond test and covering ten years' guarantee on requisite stamp paper including curing etc. complete. SSR 31 26/ Pg 208								
ITEM NO 29 Providing cement based water proofing treatment to terraces (Indian water proofing or alike) with brick bats laid in required slope to drain the water for any span after cleaning the base surface. Applying a coat of cement slurry admixed with approved water proofing compound and laying the brick bats on bottom layer in C.M 1:5 admixed with approved water proofing compound filling up to half depth of brick bats, curing this layer for 3 days, applying cement slurry over this layer joints of brick bats with C.M 1:3 admixed with approved water proofing compound and finally top finishing with average 20 mm. thick layers of same mortar added with jute fiber at 1 Kg per bag including finishing the surface smooth with cement slurry admixed with approved water proofing compound. Marking finished surface with false squares of 300mm x 300 mm. making the junctions at the parapet rounded and tapered top for required height, with drip mould at the junction of plaster and parapet and curing and covering 10 years Guarantee against leakproofness on Court fee stamp paper of Rs. 500/- including ponding test etc. complete. SSR 31.04 / 205	1280	SMT	1381	1767680	**1,373.24**	**1757747.2**	1450	1856000
ITEM NO 30 Providing and applying water proofing treatment using acrylic polymer modified cement based water proofing coating with fibre glass mesh mixing at the rate of powder to liquid (2:1) by weight covering 9 to 10 sqm /kg with two coat using approved chemicals for masonry and concrete surface by brush covering 7 years guarantee on Stamp Papers etc. complete. SSR 31.09/206	100	SMT	649	64900	**645.75**	**64575.0**	680	68000
ITEM NO 31 Providing and laying damp proof course 50 mm thick in M20 cement concrete layer and bitumen / using cement with waterproofing compound curing, formwork etc. complete. SSR 31.01/205	320	SMT	456	145920	**453.60**	**145152.0**	480	153600
ITEM NO 32 Providing and fixing chicken mesh of 22 gauge, with about 30 cm. width at the junction of R.C.C members and brick work, of approved quality including fixing mesh in	1850	RMT	60	111000	**59.85**	**110722.5**	70	129500

position by necessary drilling in concrete /B.B.masonry and or tying by binding wire etc. complete SSR 32.26/210								
ITEM NO.33Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. CompleteSSR 27.05 / 197	383.79	CMT	10080	3868603.2	**10,027.16**	**3848323.7**	10530	4041308.7
ITEM NO.34 Providing Autoclaved Aerated Concrete Block masonary of conforming to IS.2185 (Part 3) - 1984 in extra fine jointing mortar of fixoblock of UltraTech or equivalent in superstructure including striking joints, raking out joints and scaffolding etc. Complete. (The test shall be carried out conforming to IS.6441 (Part I) - 1972) SSR 27.15	51.0708	CMT	7748	395696.5584	**7,707.00**	**393602.7**	8100	413673.48
ITEM NO.35 Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in superstructure including striking joints, racking out joints watering and scaffolding etc. complete SSR 27.13/198	1452.39705	CMT	9143	13279266.23	**9,094.76**	**13209202.6**	9550	13870391.83
ITEM NO.36 Providing uncoursed rubble masonry of trap / granit / quartzite / gneiss stones in cement mortar 1:6 in superstructure including racking out joints when plastering is to be done / striking joints when no plastering is to be done on inside watering and scaffolding etc complete SSR 28.04/199	29.25	CMT	7897	230987.25	**7,855.27**	**229766.6**	8250	241312.5
ITEM NO.37 Providing coursed rubble masonry second sort of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in superstructure including raking out joints when plastering is to be done and striking joints when no plastering is to be done on the inside, watering scaffolding etc complete SSR 28.10/146	11.25	CMT	13828	155565	**13,754.93**	**154743.0**	14450	162562.5
ITEM NO.38 Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc complete SSR 32.11 / 209	8253.25706	SMT	704	5810292.97	**700.64**	**5782562.0**	740	6107410.224

ITEM NO 39 Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete. SSR 32.04 / 209	9031.61726	SMT	307	2772706.499	**305.40**	**2758255.9**	330	2980433.696
ITEM NO 40 Providing and applying plaster with plaster of paris in 6mm thickness to previously plaster surface in all position including preparing the surface scaffolding etc. complete. SSR 32.27/210	900	SMT	152	136800	**151.20**	**136080.0**	160	144000
ITEM NO 41 Providing and applying plaster / wall punning with plaster of paris (with plaster of paris material) in 10 to 13 millimeter thickness to previously plastered surface / or on newly brick surface (Excluding rough cast plaster) in all position including preparing and Finishing the surface scaffolding etc.complete. SSR 32.30/211	8769.94526	SMT	604	5297046.937	**600.60**	**5267229.1**	640	5612764.966
ITEM NO 42 Providing and applying priming coat on concrete/ masonary/ Asbestos Cement plastered surfaces including scaffolding if necessary, preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and sand papering as required etc. complete. SSR 35.21 / 225	8769.94526	SMT	38	333257.9199	**37.80**	**331503.9**	40	350797.8104
ITEM NO 43Providing and applying pearl/ luster finish paint of approved colour and shade to the existing plaster surface including scaffolding, preparing the surface, applying the acrylic wall putti etc. complete.SSR 35.23 / 225	2630.983578	SMT	228	599864.2558	**226.80**	**596707.1**	240	631436.0587
ITEM NO 44 Providing and applying Royale Luxury Emulsion of approved make on internal wall surface as detailed below Scrapping for surface with emery paper and wipe clean for area. wall primer with brush by adding mineral turpentine oil by 8 to 10 % or water by 15 to 20% allowing to dry for 6 to 8 hoursAfter applying acrylic wall putty with appropriate prpportion of water of allow to dry for period of 4 to 6 hours of activity. Scrapping with emery paper and wipe clean Applying paints Royale Luxury emulsion 1st coat with brush water content water 40 to 45% or 65 to 70% by role Applying paints Royale luxury emulsion 2nd coat with brush with water content 40 to 45% or 65 to 70 % by roller. (With prior approval of S.E.) SSR 36.21/229	6138.961682	SMT	290	1780298.888	**288.75**	**1772625.2**	310	1903078.121

ITEM NO 45 Providing and applying Texture plaster with finishing with texture material of approved make in 3 to 4 millimeter thickness on previously plastered surface, including Plaster Groove 6mm thickness or Tape Grooves 35 to 45 mm thickness or as required, in all position including preparing the surface, scaffolding etc. complete. SSR 32.32/211	6579.06946	SMT	663	4361923.052	**659.40**	**4338238.4**	700	4605348.622
ITRM NO 46 Labour charges for providing groove in external plaster having width and spaced as directed by engineer incharge etc. complete. SSR 32.22	1000	RMT	52	52000	**51.45**	**51450.0**	60	60000
ITEM NO 47 Providing and applying two coats Apex Ultima Puranature Anti-Pollution Or equivalent approved brand, paint should decomposes organic substances and inorganic gases(NOx, VOC's, CO, SOx, formaldehydes, etc) in presence of natural or artificial light. It contains Graphene and nanoparticles of titanium oxide and Absorbs CO2 (4.8 Kilogram/15 l). plaster crack should be filled by Acrylic base Crack seal/Textured Crack filler, Paint has to applied on one coat of Apex Ultima Puranature Anti-Pollution Primer or Equivalent. Warranty Should be given by the Manufaturer The work should be done by the Manufacturer Recommended applicator and he should be able to furnish stage wise onsite technical reports from the concerned company technologist SSR 50.79/ 346	8253.25706	SMT	393	3243530.025	**390.60**	**3223722.2**	420	3466367.965
ITEM NO 48 Providing and laying vitrified mirror / glossy finish tiles decorative type having size 590 mm to 605 mm x 590 mm to 605 mm of 8 to 10 mm thickness and confirming to IS 15622-2006 (group BIa) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints, curing and clearing etc complete. a) Flooring SSR 33.40 / 217	150	SMT	1260	189000	**1,253.84**	**188076.0**	1320	198000
ITEM NO 49 Providing and laying full body heavy duty, scratch resistant, high abrasion resistant vitrified mirror / glossy/ matt finish tiles for flooring decorative type having size 800 X 800, 1000 X 1000, 800 X 2400 mm (approved size) etc. of 10 to 12 mm thickness and confirming to IS. 15622-2006 (group BIa)	2109.41268	SMT	4091	8629607.274	**4,069.00**	**8583200.2**	4280	9028286.27

of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints, approved colour grout, curing and clearing etc. complete. Approved MR								
ITEM NO 50Providing and fixing polished natural stone tiles as specified below of approved quality, pattern and colour for dado including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement or pigment mixed with cement, polishing, finishing, curing etc complete as directed by Engineer In Charge. 18mm thk. Jaisalmer Stone/ Yellow MarbleMCGM R3-CS-FL-28-i	351.568 78	SMT	2908	1022362.0 12	**2,893.00**	**1017088.5**	3040	1068769.091
ITEM NO 51 Providing and laying polished natural stone as specified below (Machine cut) of an approved quality and size for paving /flooring in plain and/or diamond /approved pattern including cement mortar bedding of 25 mm thick in 1:4 proportion, cement float, machine cutting, dressing, leveling, jointing, filling the joints with neat cement slurry or with required pigment, machine polishing at site, curing, finishing, etc complete as directed by Engineer In Charge. 18 mm thk. White marble of superior quality and white cement float MCGM R3-CS-FL-01-e	351.568 78	SMT	2333	820209.96 37	**2,321.00**	**815991.1**	2440	857827.8232
ITEM NO 52 Providing and laying machine cut machine Polished Kota stone flooring 25mm to 30mm thick and required width in plain/ diamond pattern on bed of 1:6 C. M. including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete. SSR 33.06/213	351.568 78	SMT	1336	469695.89 01	**1,329.14**	**467284.1**	1400	492196.292
ITEM NO 53 Providing and laying in position flooring of telephone black / Amba White / Cat bary brown / Ruby red / Ocean Brown granite stone of approved shade and size 18 mm to 20 mm thick on bed 1:6 cement mortar including cement floats striking joints, pointing in C.M. 1:3 curing and cleaning etc. complete. SSR 33.34/216	351.568 78	SMT	4267	1500143.9 84	**4,244.99**	**1492406.0**	4460	1567996.759
ITEM NO 54 Providing and laying vitrified mirror / glossy finish tiles having size 590 mm to 605 mm x 590 mm to 605 mm of 8	1383.89 15	SMT	1340	1854414.6 1	**1,332.59**	**1844160.0**	1400	1937448.1

to 10 mm thickness and confirming to IS. 15622-2006 (group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints, curing and clearing etc. complete b) Skirting SSR 33 41 / 217								
ITEM NO 55 Providing and laying Antiskid Ceramic tiles of approved quality of size 30 cm x 30 cm and confirming to IS 15622-2006 (Group-B IIA) for antiskid flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with cement slurry cleaning curing etc. complete. SSR 33 67/220	254.553 1	SMT	1282	326337.07 42	**1,275.29**	**324629.0**	1340	341101.154
ITEM NO 56 Providing and laying ceramic tiles having size 30cm x60cm. confirming to corresponding I.S. for dado and skirting in required position with ready made adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete SSR 33 27/ 215	20	SMT	1485	29700	**1,476.89**	**29537.8**	1560	31200
ITEM NO 57 Providing and fixing machine cut machine polished 18 mm to 20 mm thick telephone black / Amba White / Cat bary brown / RBI red / Ocean Brown granite stone for treads and risers of steps and staircases of approved colour and shade with rounded moulding and three grooved line for the treads on bed of 1:4 Cement mortar including float filling joints with neat cement slurry curing polishing and cleaning etc. complete. SSR 33 35/216	363.111	SMT	4424	1606403.0 64	**4,400.39**	**1597830.0**	4630	1681203.93
ITEM NO 58Providing and fixing machine cut mirror polished 18 mm to 20 mm thick telephone black granite / Amba White / Cat bary brown / RBI red / Ocean Brown granite stone partition with full moulding the edges etc complete . Both side polishSSR 33 36/216	4.86	SMT	4247	20640.42	**4,224.45**	**20530.8**	4440	21578.4
ITEM NO 59 Providing and constructing granite kitchen platform with fixing of stainless steel sink 600 mm x 450 mm size as per detailed drawing including vertical both side polished kadappah stone 25 to 30 mm thick supports with kadappah top 35 to 40 mm thick and polished granite 16 to 20 mm top with side strips of granite at front and both sides of platform raised with two vertical granite supports 15 cm height and top granite of 75 x	3	SMT	10373	31119	**10,318.35**	**30955.1**	10840	32520

40 cm including cutting, opening for sink of required size in kadappah as well as granite etc. complete. (Platform top size 5.00 m x 0.60 m and height is 0.75 m) SSR 41.78/273								
ITEM NO 60 Providing & fixing wood finished Step seating (Pine wood or equivalent- Avg thikness 30 MM), with base of 8 mm thk Marine grade plywood, Wooden flooring to be laid as per pattern and treated properly with sanding, sealer coating, staining & 2 coats of varnish as directed as per detailed drawings. Approved MR	106.05	SMT	11038	1170579.9	**10,980.00**	**1164429.0**	11530	1222756.5
ITEM NO 61 Wooden floor tiles (including skirting) Providing & laying Hardwood flooring (strip format)with standard specifications, Board constructedwith 3 layers, Top layer of 3 to 6 mm thk veneer, Core material of high density fiber board, and balancing layer, Wood species of as per selection (oak, Walnutm Teak, Ash and other exotic species). The surface to be pre- finished with UV hardner acrylic hardner, free of formaldehyde and solvents. Finish of Top layer to be Matt or Satin or brushed having resistance to house hold chemicals & stains and not to change colour. Approved MR Spec. As directed by Engineer-In-Charge.	128	SMT	6680	855040	**6,645.00**	**850560.0**	6980	893440
ITEM NO 62 Providing and fixing frame with / without ventilator of size as specified with Country cut teak wood for doors and windows including chamfering, rounding, rebating, iron holdfast of size 300mm x 40mm x 5mm with oil painting, etc. complete SSR 39.01 / 245	1.967939006	CMT	211166	415561.8081	**2,10,052.50**	**413370.5**	220600	434127.3447
ITEM NO 63 Providing and applying melamine polish of required finish to the wood work by spray machine including knotting and preparing the even surface by scraping, applying French polish , scaffolding if required etc. complete. Note:The work to be executed on prior approval of Superintending Engineer will be necessary SSR 34.09/224	58.9425	SMT	875	51574.6875	**870.45**	**51306.5**	920	54227.1
ITEM NO 64 Providing and fixing solid core flush door shutter in single leaf 32 mm thick decorative type of exterior grade as per detailed drawings approved face veneers 3 mm thick on both faces or as directed, all necessary beads, mouldings and lipping, wrought iron hold fasts, chromium plated fixtures	151.65	SMT	3250	492862.5	**3,232.95**	**490276.9**	3400	515610

and fastenings, with brass mortise lock, chromium plated handles on both sides, and finishing with French Polish etc. complete. SSR 39 09 / 246								
ITEM NO 65 Providing and fixing solid core flush door shutter in double leaf 32 mm thick decorative type of exterior grade as per detailed drawings approved face veneers 3 mm thick on both faces or as directed, all necessary beads, mouldings and lipping, wrought iron hold fasts, chromium plated fixtures and fastenings, with brass mortise lock, chromium plated handles on both sides, and finishing with French Polish etc complete SSR 39 95/263	20.88	SMT	3994	83394.72	**3,973.20**	**82960.4**	4180	87278.4
ITEM NO 66Providing and fixing ISI marked double swing flush door shutters conforming to IS :2202 (Part I) Non-decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 30 mm thick including ISI marked Stainless Steel L- hinges with necessary screws Fittings & Fixtures per leaf SS kick plates on both sides of the door of 300mm height. Heavy Duty satin finish butt SS Hinges (100mm x 75mm x 3mm in size) -4 nos. SS finished lever handle with mortise lock- 1 One NumberFloor spring- 1 One Number 100mm x 100mm safety glass at the specified location SSR 51 64/369	12.6	SMT	13195	166257	**13,125.00**	**165375.0**	13790	173754
ITEM NO 67 P/F TW frame fully glazed door with shutters with full swing (180degrees) fixed with double spring hinge with fixed glazed portions on top and side of the openable portion MCGM R3-CS-WW-29	18	SMT	4984	89712	**4,958.00**	**89244.0**	5210	93780
ITEM NO 68 Providing and Fixing Fully Glazed double shutter automatic Door Opening having following features Slim line modern Design Australian Made Designed for new standards Compact modular motor DesignHigh security electric locking No exposed wiring Energy Efficient Electronics Lock 600 VA UPS MCGM R3-CS-WW-28	14.4	SMT	22531	324446.4	**22,412.00**	**322732.8**	23540	338976
ITEM NO 69 Providing and fixing Hands Free Aluminum Foot Door Opener as per drawings and specification provided by the engineer in charge including all fitting complete with Coating complete as per specification and drawing provided by the Engineer	10	NOS	402	4020	**400.00**	**4000.0**	420	4200

Incharge Approved MR								
ITEM NO 70 Supply and Installation of GI DOOR FOR DUCT (0.6 X 1.8MT) AND GLASS (0.3 X 1.00MT) with all the necessary hardware complete as per specification and drawing provided by the Engineer Incharge Approved MR	25	NOS	7464	186600	**7,425.00**	**185625.0**	7800	195000
ITEM NO 71 Fire Door 45mm 1HR FRL (60/60) 3 Criteria - INTEGRITY / INSULATION/ STABILITY WOODEN DOOR - Fire Door Tested in accordance to IS: 3614 Part 2. SSR 50 81/347								
Providing 60 min Fire rated doors system duly tested for 3 criteria - Integrity, Insulation and Stability Criteria as per the IS: 3614 Part 2 and BS: 476 part 22 at National Test House, Govt of India laborator and/or with Central Building Research Institute, Govt of India undertaking with standard heating conditions as specified in IS 3614 Part II 1992 and BS: 476 part 20 & 22 1987 to achieve the required integrity, insulation and stability (i.e. to restrict the heat radiation, temperature rise on the non fire side to the maximum of 140° C above the ambient temperature on the exposed surface of the shutter. The fire doors are tested with NCBN technology ("Non Combustible by Nature"). with prior approval of concerned Superintending Engineer								
a) Door Frame: Supplying frames for Fire resistant door shutters 1st class Malaysian Hardwood Frame densified (810 Kilogram/cum) and pressure treated with fire retardant chemicals in vacuum impregnation vessel under 160 psi pressure as per IS 401and kiln seasoned to moisture below 15% as per IS 1141 of section 120 X 60 mm spray quoted with 2 coats of intumescent paint of minimum 200 micron, with single row of Brush- Type ASTROFLAME intumescent strip of size 10mm x 4mm affixed in the slit of the Frame for fire and smoke sealing, etc. complete	57	RMT	1656	94392	**1,647.45**	**93904.7**	1730	98610
ITEM NO. 72b)Shutter : Providing of 65mm thick asbestos free composite - 3 criteria - fire, heat and smoke check Accoustic Door Shutter with flame guard of 120 minutes IS3614 part -II comprising of 2x9mm Calcium Silicate boards, Chemical treated internal timber with Fire retardant chemicals in pressure impregnation vessels under 160 PSI pressure as per IS 401and kiln seasoned to	31.5	SMT	9515	299722.5	**9,464.70**	**298138.1**	9940	313110

moisture below 15% as per IS 1141 frame work of 100x32 mm with 32mm thick infill of ceramic fiber (density 128Kilograms/CMT), vermaculite mix faced with 6mm Fire retardant High Density ply, internally lipped with hardwood beading, and pasted in Hydraulic Press under 50 tonnes pressure, spray quoted with 2 coats of In tumescent paint of minimum 200 micron, and with 1 row of Brush- Type Astroflame® intumescent strip (imported) of size 10mmx4mm concealed for fire and smoke sealing in the grooves in the shutter on all edges except bottom, without any external lipping								
ITEM NO 73 c) Vision Panel 1 HR rated E Class clear high stress fire rated glass is pre fabricated strategically inside theshutter structure with 10 mm inside the shutter on all sides with U- glazing. An additional insulated powdercoated 'Z' channel of 16 swg MS sheet to be fixed for reinforcement of the joints. With clear fire resistant glass panes 11mm thick having minimum 120 minutes fire Description	1.8	SMT	35335	63603	**35,148.75**	**63267.8**	36910	66438
ITEM NO 74 Providing of 2 Hour Rated Acoustic Fire Door to effectively control noise in conference rooms, broadcasting studios, theatres and music practice rooms. duly tested for 3 criteria - Integrity, Insulation and Stability Criteria as per the IS: 3614 Part 2 and BS: 476 part 22 with standard heating conditions as specified in IS:3614 Part II 1992 and BS 476 part 20 & 22 1987 to achieve the required integrity, insulation and stability (i.e. to restrict the heat radiation, temperature rise on the non fire side to the maximum of 140° C above the ambient temperature on the exposed surface of the shutter. The accoustic fire doors are tested with NCBN technology ("Non Combustible by Nature") duly tested for sound insulation as per ISO 10140-2 / ASTM E 90 for sound transmission loss evaluation of 42db in reverberation chamber at ARAI. Pg 400								
a) Door Frame: Supplying frames for Fire resistant door shutters 1st class Malaysian Hardwood Frame densified (810 Kilogram/cum) and pressure treated with fire retardant chemicals in vacuum impregnation vessel under 160 psi pressure as per IS 401and kiln seasoned to moisture	63	RMT	2044	128772	**2,032.80**	**128066.4**	2140	134820

below 15% as per IS:1141 of section 120 X 60 mm spray quoted with 2 coats of intumescent paint of minimum 200 micron, with single row of Brush- Type ASTROFLAME intumescent strip of size 10mm x 4mm affixed in the slit of the Frame for fire and smoke sealing, etc. complete								
ITEM NO. 75b)Shutter: Supplying & Fixing of 75mm thick asbestos free, fire, heat and smoke resistant composite Acoustic Door Shutter complying with with fire performance - FD 120 as per IS 3614 (part - II) comprising of 2x12mm Calcium Silicate boards over Chemically treated (with Fire retardant chemicals in vaccum pressure impregnation vessels under 160 psi pressure as per IS:401 and kiln seasoned to moisture below 15% as per IS 1141) internal timber (Malaysian Hard Wood, densified to 810 Kilogram/cum) frame work of 100x36 mm with 36mm thick infill of ceramic fiber (density 128 Kilogram/cum), vermaculite mix faced with 6mm Fire retardant High Density fibre ply, internally lipped with hardwood beading and pasted in Hydraulic Press under 25 MPa, spray quoted with 2 coats of intumescent paint of minimum 300 micron, and with single row of Brush-Type intumescent strip of size 10mmx4mm affixed on periphery for fire and smoke sealing in the slit on all edges of shutter except bottom and placement of 3 mm thick rubber membrane, at the inside face, sandwitched between calcium silicate board & high density fire retardant ply, without any external lipping with triple rebatting in shutters, etc complete. Providing of Fire Barrier Systems to prevent the spread of fire and smoke within roof and ceiling voids SSR 51 173/400	43.2	SMT	16228	701049.6	**16,142.70**	**697364.6**	16950	732240
ITEM NO 76 Providing and fixing fiber glass reinforced polyster door shutter 35 mm thick as per IS 14856 (2000) (Reaffirmed 2006) without ventilator including chromium plated fixtures and fastening with chromium plated handles on both sides, etc complete. SSR 39 59/258	10	SMT	3689	36890	**3,669.75**	**36697.5**	3860	38600
ITEM NO 77 Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65	4.32	SMT	5603	24204.96	**5,573.40**	**24077.1**	5860	25315.2

mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm minimum size and shape with square bar, suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade cast iron or mild steel and one coat of red lead primer etc. complete. (I.S. 62481979) (With mechanical gear) SSR 39.25 / 249								
ITEM NO 78 Providing and laying telephone black / Amba White / Cadburyhrown / Ruby red / Ocean Brown granite stone of 18 to 20 mm thick for door frame/ dado/ window boxing etc On C.M. 1:6 including filling joints with polymer base filler nosing/moulding the sharp edges wherever necessary, curing, etc complete SSR 33 68/220	183.045	SMT	4648	850793.16	**4,623.29**	**846270.1**	4860	889598.7
ITEM NO 79 Providing and fixing in position (as per 1868 / 1982) Alluminium sliding window of three tracks with rectangular pipe 95 x 38.10 x 0.90 mm at weight 0.637 kg/Rmt. with window frame bottom track section 92 x 31.75 x 1.30 mm at weight 1.070 kg/Rmt. Top and side track section 92 x 31.75 x 1.30 mm at weight 0.933 kg/Rmt. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 kg/Rmt. and handle and top section 40 x 18 x 1.25 mm at weight o.417 kg/Rmt. As per detailed drawings and as directed by Engineerincharge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5 mm thick plain glass and aluminium mosquito net shutter with stainless steel jail with all required screws and nuts etc. complete. With colour Anodising with box SSR 39.41 / 253	27	SMT	5808	156816	**5,777.10**	**155981.7**	6070	163890
ITEM NO 80Providing and fixing in position b) Powder Coated aluminium fixed window fully glazed of any sizeas per detailed drawing and as directed by Engineerincharge with all necessary alluminium sections including necessary fixtures and fastening such as 5 mm thick clear float glass etc complete SSR 39.53B/257	27	SMT	6034	162918	**6,001.80**	**162048.6**	6310	170370

ITEM NO 81 Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with powder coating as per detailed drawing and specifications including aluminium frames 80 x 38 mm x 1.22 mm box type, 5 mm thick sheet glass louvers, of approved quality etc. complete. SSR 39.68 / 259	10.8	SMT	3660	39528	**3,640.35**	**39315.8**	3830	41364
ITEM NO 82 Providing and fixing of factory made uPVC casement window / Fixed Window & Casement Door (White Colour) comprising uPVC multi-chambered frame, Sash, & Mullion with wall thickness of 2.3mm (+-0.2 mm), duly reinforced with G.I. section 1.5 mm, wherever required. uPVC window & door profile shall be made in India & shall conform to BS EN 12608 and other standards as mentioned below:								
S.No. Name of the test Test Method Specified Parameter 1. Tensile Impact Strength ISO 8256 - more than 700KJ/m2 2. Vicat Softening Temperature EN ISO – 306 Shall not be < 750C 3. Charpy Impact Strength EN ISO – 179-2 Shall not be < 20KJ/m2 4. Flexural Modulus Elasticity EN ISO – 178 Shall not be < 2200 N/mm2 5. Mean Breaking Stress for welded corner (a) For the tensile bending test EN – 514 Shall not be < 25 N/mm2 (b) For the compression bending test Shall not be < 30N/mm2 6. Heat Reversion Test IS 4985-2000 Shall not be > 2.0 % 7. Surface Spread of flame BS : 476 - Part 7 Classification 1 8. Ignitability Evaluation BS : 476 - Part 5 'P' Not easily ignitable 9. Tensile modulus ASTM D 638 Shall not be < 35 MPa 10. Shear Modulus ASTM D 732 Shall not be < 220 MPa 11. Tensile Strength EN ISO 527 Shall not be < 30 MPa.								
All corners of frame and sash will be fusion welded. Mullion shall be welded / screwed. EPDM / TPE Gasket shall be provided in all frame, sash & mullion, wherever necessary.Thereafter, 5 mm Float Annealed glass shall be provided in the sash with the help of uPVC glazing bead and hardware, i.e., friction hinge & single point handle (in window) & 3D Hinges & Multipoint Lock (in door) shall be provided. Window / Door shall be fixed to the wall with								

100mm long and 8mm dia. Fasteners and complete in all respect as per direction of Engineer-In-Charge. uPVC Window and Door Profiles are warranted for a period of ten (10) years against non-uniform discoloration, wrapping and rotting under general use. SSR 54.09/517								
Casement Window (Big Series) frame of size 67 x 62 mm & Sash / Mullion of size 67 x 78 mm	36.846	SMT	11078	408179.988	**11,019.75**	**406033.7**	11580	426676.68
Casement Door (Big Series) frame of size 67 x 62 mm & Door Sash of size 67 x 115 mm & Mullion (if required) of size 67 x 78 mm	27	SMT	10113	273051	**10,060.05**	**271621.4**	10570	285390
Fixed Window (Big Series) frame of size 67 x 62 mm & Mullion (if required) of size 67 x 78 mm	121.5463	SMT	8806	1070336.718	**8,759.10**	**1064636.2**	9200	1118225.96
ITEM NO.83 Providing and fixing of factory made uPVC Louver window (White Colour) comprising of uPVC multi-chambered with wall thickness of 2.3mm (+-0.2 mm), duly reinforced with 1.5 mm thick G. I. Section. uPVC window & door profile shall be made in India & shall conform to BS EN 12608 and other standards as mentioned below								
S.No. Name of the test Test Method Specific Parameter 1. Tensile Impact Strength ISO 8256 - more than 700Kj/m2 2. Vicat Softening Temperature EN ISO – 306 Shall not be < 750C 3. Charpy Impact Strength EN ISO – 179-2 Shall not be < 20KJ/m2 4. Flexural Modulus Elasticity EN ISO – 178 Shall not be < 2200 N/mm2 5. Mean Breaking Stress for welded corner(a) For the tensile bending test EN – 514 Shall not be < 25 N/mm2 (b) For the compression bending test Shall not be < 30N/mm26. Heat Reversion Test IS 4985-2000 Shall not be > 2.0 %7. Surface Spread of flame BS : 476 - Part 7 Classification 18. Ignitability Evaluation BS : 476 - Part 5 'P' Not easily ignitable9. Tensile modulus ASTM D 638 Shall not be < 35 MPa10. Shear Modulus ASTM D 732 Shall not be < 220 MPa11. Tensile Strength EN ISO 527 Shall not be < 30 MPa								
All corners of frame shall be fusion welded. Both vertical sides of the frame, adjustable louver mechanism having one lever or fixed louver bracket shall be fitted with the of 4 mm Frosted Annealed glass. Window will be fixed to the wall with 100mm long and 8mm dia. Fasteners and complete in all respect as per direction of Engineer-In-Charge. uPVC Window and Door Profiles are warranted for a period of ten (10) years								

against nonuniform discoloration,wrapping and rotting under general use								
a Louver Window (Big Series) frame of size 67 x 62 mm & Mullion (if required) of size 67 x 78 mm. SSR 54 11/519	16.2	SMT	9745	157869	**9,693.60**	**157036.3**	10180	164916
ITEM NO 84 Providing and fixing of factory made uPVC Sliding window & door (White Colour) complete, comprising uPVC multi-chambered frame having in-built uPVC roller track on top and uPVC sash with wall thickness of 2.3mm (+-0.2 mm), duly reinforced with G.I. section 1.5 mm, wherever required. uPVC window & door profile shall be made in India & shall conform to BS EN 12608 and other standards as mentioned below:								
Name of the test Test Method Specified Parameter 1 Tensile Impact Strength ISO 8256 - more than 700KJ/m2 2 Vicat Softening Temperature EN ISO – 306 Shall not be < 750C 3 Charpy Impact Strength EN ISO – 179-2 Shall not be < 20KJ/m2 4 Flexural Modulus Elasticity EN ISO – 178 Shall not be < 2200 N/mm2 5 Mean Breaking Stress for welded corner (a) For the tensile bending test EN – 514 Shall not be < 25 N/mm2 (b) For the compression bending test Shall not be < 30N/mm2 6 Heat Reversion Test IS 4985-2000 Shall not be > 2.0 % 7 Surface Spread of flame BS : 476 - Part 7 Classification 1 8 Ignitability Evaluation BS : 476 - Part 5 'P' Not easily ignitable 9 Tensile modulus ASTM D 638 Shall not be < 35 MPa 10 Shear Modulus ASTM D 732 Shall not be < 220 MPa 11 Tensile Strength EN ISO 527 Shall not be < 30 MPa								
All corners of frame and sash will be fusion welded. After placing 5 mm Float Annealed glass in the sash, uPVC glazing bead, interlock, EPDM / TPE gasket, brush shall be provided including touch lock and rollers & proper drainage system shall be provided. Window / Door will be fixed to the wall with 100mm long and 8mm dia. Fasteners and complete in all respect as per direction of Engineer-In-Charge. uPVC Window and Door Profiles are warranted for a period of ten (10) years against non-uniform discoloration, wrapping and rotting under general use. SSR 54 08 / 516								

2 Track 2 / 4 Sash (Big Series) window frame of size 67 x 54 mm & Sash of size 64 x 47 mm	22.5	SMT	7727	173857.5	**7,686.00**	**172935.0**	8080	181800
3 Track 3 / 6 Sash (Big Series) window frame of size 122 x 54 mm & Sash of size 64 x 47 mm	22.5	SMT	9000	202500	**8,952.30**	**201426.8**	9400	211500
ITEM NO 85Supply and installation of cubicles of width and depth as perAthena Lite- SS Series Cubicles- Std Sizes (W x D x H): 900 mm x 1550 mm x 2105 mm, (Height is including 100 mm gap from bottom, Door Width- 600 mm specifications/ site drawings) Cubicle height to be 2105 mm. Made from solid grade compact high pressure laminate as per IS 2046 and EN-438 manufactured under high specific pressure > 5 MPa and temperature >120°C, All doors will be of single colour and made of 12 mm thick Merino HPL compact panel. The doors will have chamfered edges. Each door will be supported by 3 stainless steel made hinges affixed to the pilasters. Size of panels to be as per drawing. HARDWARE & ACCESSORIES are H shaped (Top) head frame structure made of extruded Aluminium grade 6063 T5-50 micron epoxy powder coated for surface protection, Size to be 125x70x5T. Corner joinery section, Size to be 40x16.5x1.8T. U-Channel Wall joinery section,Size to be 22x16x1.6T. Door stopper section, Size to be 21x12.5x1.6T. Spring loaded Butt Hinges made from Stainless steel grade 304 Surface finish to be matt type Covers to be lacor coated etc complete.SSR 51.162/395	202.02	SMT	11818	2387472.36	**11,755.80**	**2374906.7**	12350	2494947
ITEM NO 86 Providing and fixing mild steel grill work for windows, ventilators etc. 20 Kilogram/Square Metre as per drawing including fixtures, necessary welding and painting with one coats of anticorrosive paint and two coats of oil painting complete SSR 40.01 / 264	443.6923	SMT	2214	982334.7522	**2,201.85**	**976943.9**	2320	1029366.136
ITEM NO 87 Aluminium Fins - Providing and Fixing Horizontal fins with 3"x1" Aluminium Tubular Section Powder coated Horizontally with 1" facing and 3" Gap in to in in sections with 1"1" Aluminium Angle powder coated fixed at top and bottom for fixing, with Hardware , with labour inclusive Approved MR	999.6	SMT	4584	4582166.4	**4,560.00**	**4558176.0**	4790	4788084
ITEM NO 88 Aluminium Fins - Providing and Fixing Horizontal fins with 100 mm x 40 mmx 3 mm thick,(Triangle	120	SMT	4926	591120	**4,900.00**	**588000.0**	5150	618000

Concave Shape} Aluminium Angle sections powder coated of specification, distance between section will be 3 -4 inches & details as per drawing, Length and with all the accessories,hardwares, with labour all inclusive. Approved MR								
ITEM NO.89 ACP Cladding. - Providing,applying,fabricating and fixing panel of aluminium composite panel cladding in approved shape made out of 4 mm thick ACP sheet material consisting of 3mm thick FR grade mineral core following NBC part IV Fire and life safety (having 2 hours fire resistance in accordance to ASTM E119-12 and BS476 part 6 and 7 class O) sandwitched between two aluminium sheets (each 0.5 mm thick of AA 5005/AA3105 grade) The aluminium composite panel cladding sheet shall be coil coated with kynar 500 based PVDF/Lumiflon based fluropolymer resin (having 70:30 ratio of PVDF and acrylic) coating of approved colour and shade on top face and polymer (service) coating of bottom face as specified using stainless steel screws,nuts,bolts,washers,cleats,weather silicon sealent,backer rods etc .overall weight of the ACP shall not be less than 7.5 Kilogram/Square Metre) SSR 51.100/378	173.6	SMT	4085	709156	**4,063.50**	**705423.6**	4270	741272
ITEM NO.90 Providing and laying in positon terracotta jali of 80 mm thick decorative type as per specification provided by the engineer in charge and drawings etc complete RA	**28**	SMT	3096	86688	**3,080.00**	**86240.0**	3240	90720
ITEM NO. 91Structural Glazing . - Providing & fixing of fabrication and installation of Structural Glazing system in the form of fixed panels, using designed aluminium extruded sections mullions and transoms with cover system section complete having anodize /Powder coating of approved colour and shade and make and fixed on the brick masonry/RCC/structural frames through adequately designed brackets glass shall be fixed to frame with structural silicone sealant/backer rod and weather silicone sealant non streaking /non staining of Dow corning/GE or approved equivalent to make structural glazing air and water tight as per standards. with EPDM gaskets in each section with Saint Gobain make 6 mm reflective toughened glass having SHGC of 0.2 - 0.3,	**1158.4**	SMT	12265	14207776	**12,200.00**	**14132480.0**	12810	14839104

UValue of 3 - 4 W/ sq mK VLT of 20-40% fixed with glazed panel of Sash frame with T Patti toggle, colour of glass as approval by architect, all aluminium sections joints with aluminium clit angles of 16 gauge, Galvanized M.S. Brackets for frame fixing and all other necessary Hardware fittings Complete as per Drawing and Green Specification.Approved MR								
ITEM NO.92 Openable in Glazing - Providing and Fixing Openable Panel in above itemwith additional 4 Bar Hinges, Handle cum Locking arrangements, With additional aluminium anodized frame for Openable, and flashing for water dripping. (Including fitting to operate from ground floor). As per specification provided by engineer incharge Approved MR	30	NOS	2664	79920	**2,650.00**	**79500.0**	2790	83700
ITEM NO.93 Dry wall cladding with clay tile, Designing, supplying and fixing of Clay tile of Wienerberger (Red Series or Grey Series) or Equivalent with suitable size and thickness not less than 20 mm as per manufacturer with approved colour and pattern with composition of finest powdered clay and colour mixtures. The clay tile shall be fixed on the suitable framing system by using continuous aluminium profiled section as per manufacturer with suitable size and spacing to withstand the structural design criteria specified in the technical specification by using necessary HDG brackets, SS316 grade anchor bolts etc as per manufacturer specification. Cladding joints should be with open groove system. with prior approval of concerned Superitending Engineer. SSR 50.25/335	664.97	SMT	11178	7433034.66	**11,119.50**	**7394133.9**	11680	7766849.6
ITEM NO.94 Providing & laying ferrocment structure of thickness upto 30 mm by fabricating the mesh reinforcement to the shape and size of the structure, then mortared and then cured inclusive of welding skeletal steel framework, tying mesh reinforcement tightly over it to form cage and impregnating the cage with rich cement mortar, finishing and curing.The stif cement mortar is filled in the mesh layers by pressfill method. The consistency of cement mortar is very thick with very low water cement ratio. The rate is inclusive of all materials, labours required for the structure.(Including shuttering and centering)	62	SMT	2765	171430	**2,750.00**	**170500.0**	2890	179180

ITEM NO 95 Providing & laying ferrocment structure of thickness upto 50 mm by fabricating the mesh reinforcement to the shape and size of the structure, then mortared and then cured inclusive of welding skeletal steel framework, tying mesh reinforcement tightly over it to form cage and impregnating the cage with rich cement mortar, finishing and curing.The stif cement mortar is filled in the mesh layers by pressfill method. The consistency of cement mortar is very thick with very low water cement ratio. The rate is inclusive of all materials, labours required for the structure (Including shuttering and centering) Approved MR	400.2	SMT	4273	1710054.6	**4,250.00**	**1700850.0**	4470	1788894
ITEM NO 96Casting & fixing Decorative Precast Circular Column,Rectangle Band,Cornice,Window Decorative Sill,Elevational Element Having Precast Shell of thickness 60mm-80m , M25 concrete with approved chemical to have crack free member,including reinforcement ,Scaffolding,lifting ,transportation complete Specification provided by the engineer in charge.Approved MR	231	SMT	6132	1416492	**6,100.00**	**1409100.0**	6410	1480710
ITEM NO 97 Providing and fixing corrugated galvanised iron sheets of 0.63mm thick (24 B.W.G.) for roofing without wind tiles including fastening with galvanised iron screws and bolts, lead and bitumen washers as per drawing etc. complete (Weight of 5.5 kg/sq m.) SSR 38.04/233	25	SMT	918	22950	**913.50**	**22837.5**	960	24000
ITEM NO 98 Providing and fixing 40mm diameter and 1.5 mm thick Stainless steel hand railing in S.S.304 Grade including fabricating ,fixtures, erecting, necessary welding, grinding, finishing, buffing to stainless steel pipe etc. complete SSR 40.06/264	150.6	RMT	1288	193972.8	**1,281.00**	**192918.6**	1350	203310
ITEM NO 99 Providing and fixing 900mm high S.S.304 Grade Stainless steel railing with 40mm diameter and 1.5mm thick at top,40mm diameter and 1.5mm thick vertical supports spaced at 1.5m center to center and 8mm thick toughened glass including fabricating ,fixtures, erecting , necessary welding , grinding , finishing, buffing to stainless steel pipe etc. complete SSR 40.07/264	180	RMT	4965	893700	**4,939.20**	**889056.0**	5190	934200
ITEM NO 100 Providing and Fixing mat	74	RMT	3742	276908	**3,722.25**	**275446.5**	3910	289340

finish stainless steel (of 302 grade) railing with top pipe of 50 mm dia. and vertical pipe of 38 mm dia at 0.60 m c/c or as required and horizontal pipes of 25 mm dia in three rows, all pipes of 2 mm thick including buffing,fabricating fixtures and fastening including pipe base of appropriate diameter and ball base of 75 mm dia above newel post of 75 mm diameter etc. complete (Prior approval of sample and brand by Ex.Engineer is necessary before use) SS4 40.08 /265								
ITEM NO. 101 Providing and fixing in position Gypsum board false ceiling with 12.5 mm thick Gypsum boards, screwed fixed to the under structure of suspended G.I. Grid constructed and suspended from the main ceiling consisting of ceiling sections of size 25 x 50 mm maximum center to center distance of 600 milimetre perimeter channel and intermediate channels at maximum center to center distance 1200 milimetre galvanized grid should be fixed to reinforced cement concrete slab. The gypsum board should be fixed to galvanized iron grid with necessary screws. The boards should be taped and filled from underside to give smooth, seamless ceiling. The rate should include necessary additional ceiling sections and intermediate channels. Additional intermediate channels should be fixed to strap hangers for additional support to prevent strapping at every 1200 milimetre item to be completed in all respect including necessary sleeves for ducts finishing of joints cut outs, painting including labour, material, lifts etc. all complete. SSR 38.51/243	1746.26417	SMT	1867	3260275.205	**1,857.45**	**3243598.4**	1960	3422677.773
ITEM NO 102 Providing and fixing Modular false ceiling of 600 x 600 mm center to center and 13 mm thick square mineral fiber board to be fixed on frame work of alluminum sections for suspended false ceiling consisting of alluminium T 2"x1 ½" (50 mm x 40 mm) weighing 0.39 Kilogram/m at 60 cms center center and fixed with ½" x ½" (15 x 15 mm) flanges weighing 0.19 Kilogram/m suspended on 6 mm dia mild steel rod weighing 0.22 Kilogram/m, fixed on wall and beams including rounding of the edges with alluminum T of 2" x 1 ½" (50 mm x 40 mm) weighing 0.39 Kilogram/m etc	934.17638	SMT	2711	2532552.166	**2,696.40**	**2518913.2**	2840	2653060.919

(all alluminium sections shall be anodized) including all labour, material, lifts etc complete. SSR 38.52/243								
ITEM NO.103Providing and Fixing Soft Fibre Acoustical Suspended Ceiling System with Optra (Bevelled Tegular) Edge Tiles of size 15mm Exposed Grid. The tiles should have Humidity Resistance (RH) of 95%, NRC 0.9 - 1.0, Light Reflectance ?85%, Colour White, Fire Performance UK Class 0 / Class 1 (BS 476 pt - 6 &7) in module size of 600 x 600 x 15mm , suitable for Green Building application, with Recycled content of 66% GW and 74% RW. The tile shall be laid on precoated G.I channel 32 with 15 mm wide T - section flanges colour white having rotary stitching on all T sections i.e. the Main Runner, 1200 mm and 600 mm Cross Tees with a web height of 32 mm and a load carrying capacity of 7 Kilograms/M2 with a minimum pull out strength of 100 Kilograms. The T Sections have a Galvanizing of 90 grams per M2 and need to be installed with Suspension system The Tile and Grid system used together should carry a 10 year warranty. products approved as per GRIHA and BS 476 etc complete.SSR 38.47/242	1330.74457	SMT	3039	4044132.748	**3,022.95**	**4022774.3**	3180	4231767.733
ITEM NO. 104 Providing and fixing Designer Fabric ceiling with finish with strings Complete as per Drawings and Spec. As directed by Engineer-In-Charge. Approved MR	392.24819	SMT	15482	6072786.478	**15,400.00**	**6040622.1**	16170	6342653.232
ITEM NO. 105 BAFFLE WOOD CEILING Suspended wood baffles with the help of cables upto 6mm/required MS/GI/Aluminium section from the roof having acoustic properties and Elongated various shape baffles made with High Density Board, Solid Wood Durable Coating, Corrosion Resistant, Tamper Proof with approved Finish material Completed as per specification and drawings as per Engineer in charge Approved MR	1013.372285	SMT	15733	15943386.16	**15,650.00**	**15859276.3**	16440	16659840.37
ITEM NO.106 Providing and fixing Aluminium open cell(150mmx150mm) ceiling 0.45/0.50 mm Galvanized steel and 0.5/0.65mm Aluminium TCT ,Various Gap 50mm to 100mm made of 0.5mm/0.6mm thick black coil coated galvanised steel /powder coated .20mm Wide,40mm deep, 55 microns thick powder coating on	150	SMT	2865	429750	**2,850.00**	**427500.0**	3000	450000

exposed surface , 25 microns polyster coil coated over primer on visible surface with primer coat on rear side. Suspension with 4mm dia Galvanized rod ,Height Adjustment Spring STeel big Clip,panel Coupler,GS wall aggle. complete as per specification and drawing provided by the Engineer Incharge Approved MR								
ITEM NO 107 Providing and fixing Internal signage ss brush finish 2 mm thick . Spec. As directed by Engineer-In-Charge. Approved MR	120	NOS	2413	289560	**2,400.00**	**288000.0**	2520	302400
ITEM NO 108 Providing & Fixing of signage using 304 Stainless steel letters for the front & side fascia and 5mm thick acrylic molded letters, for back fascia moulded letters with height 24 inches, with necessary power supplies for connection, including profile LED back lighting Approved MR	140	NOS.	2966	415240	**2,950.00**	**413000.0**	3100	434000
ITEM NO 109 Providing and Fixing laser cut 3-4 mm Acrylic letters of height upto 24 inches with, with all other necessary Hardware for fittings and Labour all Inclusive including profile LED back lighting complete Approved MR	50	LETTERS	2865	143250	**2,850.00**	**142500.0**	3000	150000
ITEM NO 110 Providing and fixing MBMC Logo on entrance gate Approved MR	8	NOS.	28148	225184	**28,000.00**	**224000.0**	29400	235200
ITEM NO 111 C.I Man hole cover 100 kg. SSR 51/532	20	NOS.	8165	163300	**8,121.75**	**162435.0**	8530	170600
ITEM NO 112Providing and constructing Brick Masonry Inspection Chamber 60cm x 45cm x 90cm including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W. pipes, Brick Masonry, plastering from inside and airtight C. I. cover of 75 kg with lid and frame fixed in cement concrete.SSR 42.10/274	10	NOS.	16577	165770	**16,489.94**	**164899.4**	17320	173200
ITEM NO 113 Providing & fixing in the footpath Combi-Paver having average crushing strength not less than 80 N/mm² as per technical specifications and IS Code 15658:2006, shot blasted 60mm thick in approved texture and colour and combination size 100 x 200, 125 x 200, 175 x 200, 225 x 200, 275 x 200 to be fixed on average compacted thickness 25 mm well graded sand cushioning uniformly compacted with proper capacity mechanical compactor with required level, grade and camber etc. complete as specified and as directed by the	3194.786	SMT	1860	5942301.96	**1,850.00**	**5910354.1**	1950	6229832.7

Engineer. NOTE: THIS ITEM SHOULD BE OPRATED ONLY AFTER SPECIFIC SANCTION OF DIR(E.S.& P.) or Equivalent Approved MR								
ITEM NO.114 Stamp Concrete of 100mm Thickness - Providing and Laying in-situ M30 Grade unreinforced plain cement stamp concrete of 100mm thickness pavement over a prepared sub base with 43 grade cement, coarse and fine aggregate (natural sand / VSI grade finely washed crushed sand) Confirming to IS 383, as per mixed in a batching and mixing plant / non tilting mixer and weigh batcher as per approved mix design, admixtures, transporting to site in nagpur city with lead upto 20KM (on Inner Ring Road from Avasti nagar to wadi), spreading, laying with approved make pover, compacted and finished in a continous operation, finishing to lines and grades Also Providing, Placing and applying stamp powder which is light fast UV resistant pigment with appropriate chemical compounds of desired colour on base concrete after excess bleed water has evaporated using dry shake method @5kg per sqm.	2115	SMT	1883	3982545	**1,873.29**	**3962008.4**	1970	4166550
Including texturing, and covering with plastic sheet (min 200 micron thickness) and also applying two coats of UV-stable,30 % solidsclear sealer @ 150 to 250 gms per sqm using surface roller and protecting from fallingdust,dirt and curring by curing compound / by providing cement vata in cement Mortor 1:8 @ 0.6m x 0.6m center to center, admeasuring 80mm at bottom and 40mm at top withdepth of 75mm and maintaining the same throughout curing period by any other method approved by Engineer-incharge or Landscape architect etc. complete. (prior approval of superinteding Engineer will be necessary) SSR 54.01 / 513								
ITEM NO.115 Providing and laying RED & BLACK GRANITE cobble stones of 100mm x 100mm x 100mm, 3 line dressing with 12 mm top layer in size of fine cut and well dressed in Grey colour in paving on a bed of min. 40 mm thick cushioning in C.M. 1:4 including neat cement float etc. filling of joints in C.M. 1:2 with grey cement to match the colour of cobble	475	SMT	3566	1693850	**3,547.00**	**1684825.0**	3730	1771750

stone in the required pattern, design and as directed by the Engineer incharge, including cleaning, curing etc. complete. MCGM R3-RW-3-37								
ITEM NO.116 GRASS JOINT PAVING: Providing and laying machine cut machine polished kota stone flooring for Grass joint paving, 25mm to 30mm thick required width in plain pattern on bed of 1:6 C. M. including cement float, curing, polishing and cleaning including removing unwanted stuff as directed. Excavation for Planting of Lawn Digging of Soft surface up to 30 Cm. as per drawing and specification provided by Engineer In-charge. Approved MR	333.5	SMT	1604	534934	**1,596.00**	**532266.0**	1680	560280
ITEM NO.117 Providing and fixing heavy duty inter locking concrete Coloured paving blocks of 80 mm thickness of having a strength of 300 kg/Sq cm. of approved quality and shape on a bed of crushed sand of 25 to 30 mm thick including skirting joints and cleaning etc complete SSR 33.52/218	10.15	SMT	1255	12738.25	**1,248.68**	**12674.1**	1320	13398
ITEM NO. 118Providing and fixing Speed Breakers of Size 350 W x 500 L x 50 H mm yellow black color as shown in the drawing with necessary fittings & fixtures as directed by EIC MCGM R3-CS-RM-132	90	RMT	2780	250200	**2,765.00**	**248850.0**	2910	261900
ITEM NO.119 Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous Surface- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250 gms per Square Metre area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes complete. SSR 6.12A/48	180	SMT	703	126540	**699.30**	**125874.0**	740	133200
ITEM NO.120 Providing and casting in situ or precast tapering R.C.C. M-20 Semi Barrier type Kerb with gutter (as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In-charge. Using Concrete Batching and Mixing Plant SSR 7.05/69	639	RMT	2381	1521459	**2,368.01**	**1513158.4**	2490	1591110

ITEM NO 121 Providing and fixing mild steel grill gate as per the detailed drawing including hinges, locking arrangements and painting in three coats of oil paint of approved colour and shade etc. complete (weight 18 Kilogram. to 20 Kilogram. Per Sq m) Spec One Number: As directed by Engineer- in-charge SSR 23 09/ 174	30.69	SMT	2217	68039.73	**2,205.00**	**67671.5**	2320	71200.8
ITEM NO 122 Providing and Fixing Decorative / Ornamental grills as per design for compound wall Fencing including fabricating the grill using M.S. square / round bar, flats and angles including painting with one coat of red oxide zinc chromate primer and two coats of synthetic enamel paint of approved colour and brand etc. complete as directed. MCGM R3-CS-SL-13	19125	KG	243	4647375	**242.00**	**4628250.0**	260	4972500
ITEM NO 123 Providing and erecting chain link fencing 1.6 M. height with G.I. chain link of size 50 x 50 mm, 8 gauge thick and fixed 75 mm above ground level on vertical M.S. Angles of 40 x 40 x 6 mm size, includind excavating pits for foundation and embedded in C.C. block of 1:4:8 mix of size 450 x 450 x 670 mm. at 1.75 M. c/c with iron bar 16mm dia as hold fast including welding link with angle frame at 30 cm c/c with nuts and bolts and horizontal M.S. Angles at top and bottom of 25 x 25 x 5 mm size and vertical M.S. flat 35 x 5 mm and 25 x 5 mm horizontal including cross support of 40 x 40 x 6 mm angles both side at every corner or bend embedded in concrete blocks of 1:4:8 of size 450 x 450 x 670 mm including 3 coats of oil painting etc. complete. SSR 46 39/298	186	SMT	2680	498480	**2,665.95**	**495866.7**	2800	520800
ITEM NO 124 Providing and installing Nylon net for protection from Birds entry in Entrance Lobby MCGM R3-CS-RM-133	100	SMT	225	22500	**224.00**	**22400.0**	240	24000
ITEM NO 125 Double Side Pvc Coated waterproof And Sunshed Tensile Fabric Tensile Roofing including strings and fabrication Specification as per engineer in charge and drawing. Complete with fitings Approved MR	155.499	SMT	6534	1016030.466	**6,500.00**	**1010743.5**	6830	1062058.17
ITEM NO. 126Circular tree guard : Providing, fabrication and fixing M.S. Circular tree guard with circular pipe of 10 gauge, 50mm Dia Circular vertical post, 40mm Dia Horizontal support 18mm Dia. intermediate support with M.S. cap- (type-I) logo panel etc. including cutting welding, riveting, oil painting with navy	35	NOS	19177	671195	**19,076.00**	**667660.0**	20030	701050

blue colour or any other approved colour shade as directed and fixing in cement concrete foundation including cement concrete paver block lining including removal of surplus material/debris and restoring damaged portion of footpath etc. as directed (Design details vide Drg.No.4F-A1.1, 4FA1.2,A1.3 in the catalogue of street Furniture (Vol.I) published by B.M.C)MCGM R3-RT-16-28								
ITEM NO.127 Square tree guard : Providing, fabrication and fixing M.S. Square tree guard with circular pipe of 10 gauge, 50mm Dia Circular vertical post, 40mm Dia circular horizontal support, 18mm Dia circular intermediate support with M.S. cap-(type-I) logo panel etc including cutting welding, riveting, oil painting with navy blue colour any other approved colour shade as directed and fixing in cement concrete foundation including cement concrete paver block lining including removal of surplus material/debris and restoring damaged portion of footpath etc. as directed. (Design details vide Drg.No.4F-C1 in the catalogue of street Furniture (Vol.I) published by B.M.C) work complete as per specifications and as directed by the Engineer. MCGM R3-RT-16-30	44	NOS	19425	854700	**19,323.00**	**850212.0**	20290	892760
ITEM NO.128 Providing and laying Natural unpolished mixed colour Pebbles of size 5mm to 20mm laying in 3 layers (finish layer of 75mm nominal thickness), graded pebbles etc complete as per drawing as specified as directed by Engineer. (Refer sketch 24) MCGM GW-3-1-e	186	CMT	1407	261702	**1,400.00**	**260400.0**	1470	273420
ITEM NO.129 Providing and fixing thematic murals created in mix media in different shape and size as per required artwork made out of 8mm, 12mm and 19mm thick marine plywood and BTC wood and fibre coating in imported silicon rubber painted MCGM CE4-09-002-FA141C	10	NOS	368061	3680610	**3,66,121.00**	**3661210.0**	384500	3845000
ITEM NO.130 Artist painting of wall in 3-D format and text format MCGM FAIR-3D-AWP-A	960	SQ.FT	127	121920	**126.00**	**120960.0**	140	134400
Item No.131 P/F Mural Made In Fibre Rainforced Plastic As Per Given Art Work Of Required Sizes Mcgm Ce4-07-076-FF-47a	80	SMT	10998	879840	**10,940.00**	**875200.0**	11490	919200
Item No.132 Mural In Paint (3d) Mcgm Ce5-10-024- Fair1	177.5	SMT	8058	1430295	**8,016.00**	**1422840.0**	8420	1494550
Plumbing								
Sanitary Fixtures								

ITEM NO 133 Providing and fixing European type white glazed earthenware water closet pan with UPVC seat and lid with chromium plated brass hinges and rubber buffers including UPVC and vent pipe up to the outside face of wall 10 litre enamcled low level flushing cistern with fittings pipe stop tap brackets for fixing cistern 32 mm dia UPVC flush pipe with fittings and clamps ,20 mm dia UPVC overflow pipe ,mosquito proof couplings G.I. chain and pulley,with water Jet and fitting including cutting and making good to the walls and floors testing etc. complete.(prior approval of sample and brand by Ex. Engineer is necessary before use) SSR 43 19	26	Nos.	12240	318240	**12175.8**	**316570.8**	12790	332540
ITEM NO.134Providing and fixing 1st class white glazed earthenware Orissa Type W.C. Pan 580 mm dia including P or S trap cast iron soil and vent pipe upto the outside face of the wall (1 5:1 0) cement concrete bedding 15 mm thick, 10 liter P.V.C. flushing cistern with allnecessary pipe connection etc. complete.SSR 42.33	4	Nos.	7799	31196	**7757.4**	**31029.6**	8150	32600
ITEM NO 135 Providing and fixing C.P.Two way BIB cock jaquar continental including necessary sockets/union nut etc. complete. SSR 42.80	26	Nos.	1540	40040	**1531.95**	**39830.7**	1610	41860
ITEM NO.136 Providing and fixing 15 mm diameter PVC Aqua kraft type super jet spray with flange 2 in 1 faucet 1.50 metre long including all accessories etc complete SSR 43.39	26	Nos.	813	21138	**808.5**	**21021.0**	850	22100
ITEM NO.137 Providing and fixing C.P. BIB cock with wall flange continental (CAT.NO. CON-047) including necessary sockets/ union nut etc. complete. (SHOWER) SSR 42.83	41	Nos.	1170	47970	**1163.4**	**47699.4**	1230	50430
ITEM NO.138 Providing and fixing C.P. pillar cock long neck with aerator jaquar or equivalent make continental (CAT.NO. CON - 021) including necessary sockets/union nut etc. complete. (KITCHEN SINK) SSR 42.82	2	Nos.	1715	3430	**1706.25**	**3412.5**	1800	3600
ITEM NO.139 Providing and fixing Oval Type Under Counter Wash Hand Basin of 420 x 590 x 195mm size with pillar cock, C.P.Angular stop cock, long thread of approved make continental including SS bottle trap of necessary pipe connection up to the outside face of the wall, having	62	Nos.	20994	1301628	**20883.45**	**1294773.9**	21930	1359660

Telephonic Black / Colour Granite of 180 mm thick fixed on Black Kadappa Framework, etc. Complete as directed by Engineer in charge SSR 48.35								
ITEM NO.140 Providing and fixing White glazed with bottle trap earthenware Wash Hand Basin of 55x40 cm size including cold water piller taps, brackets, rubber plugs and brass chain, stop tap, chromium plate bottle trap and necessary pipe connections including UPAC waste pipe and trap upto the outside face of the wall, making good the damaged surface, testing etc. complete SSR 41.69	8	Nos.	6833	54664	**6796.65**	**54373.2**	7140	57120
ITEM NO.141 Providing and fixing C.P. Angular stop cock with wall flange Jaquar make or equivalent continental (CAT.NO. CON-059) including necessary sockets/union nut etc complete. SSR 42.79	178	Nos.	2836	504808	**2821.35**	**502200.3**	2970	528660
ITEM NO.142 Providing and fixing earthenware lipped flat back/corner type Urinal of Hindustan /Perryware / Neycer / Cera or equivalant make with PVC 5 liters flushing system of 5 liters with fittings, inlet pipe with stop tap, brackets for fixing the cistern, 32 mm diameter P.V.C. flush pipe with fitting including lead soil pipe, lead trap & soil pipe connection up to the outside face ofwall. SSR 41.61	5	Nos.	5054	25270	**5027.4**	**25137.0**	5280	26400
ITEM NO.143 Providing and fixing white glazed urinal with Pressmatic auto closing valve having flow rate up to 4.0 Ltr/Minute of Jaquar/Cera/Hindware /Perryware or equivalent make with P.V.C. waste pipe with fitting arrangement etc complete as directed by Engineer in charge (Make shall conform to manufacturer's Green product and shall got approved from the Engineer In Charge) SSR 48.31	15	Nos.	10968	164520	**10910.55**	**163658.3**	11460	171900
ITEM NO.144 Providing and fixing 10 cm PVC nahani trap with grating etc. complete SSR 42.67	90	Nos.	569	51210	**565.95**	**50935.5**	600	54000
ITEM NO.145 Providing and fixing C.P. wall mixer with provisoon for overhead shower with 115mm long bend pipe and wall flange jaquar or equivalent *make continental (CAT.NO. CON-273 UPR) including necessary sockets/union nut etc. complete SSR 42.81	41	Nos.	5001	205041	**4974.9**	**203970.9**	5230	214430

ITEM NO 146 Providing and fixing H.D.P container one piece moulded water tank made out of low density polythyler and built corrugation including of delivery upto destination hoisting and fixing of accessories such as inlet,outlet over flow of all tanks capacity above 1000 to 20,000 litres 2000 Litres SSR 42.54	5000	Litre	12	60000	**11.55**	**57750.0**	20	100000
ITEM NO 147 Grab bars-Providing SS grab bars set for accessible toilets comprising of 4 nos. Grab bars as specified below (1 nos. wing grab bar + 1 nos. L shaped grab bar + 2 nos. straight grab bars = 1 typical set) 27a) Swing grab bar (1 NOS) Providing a S.S. 304 SWING HANDICAP GRAB BAR - 700 mm and of DIA: 32MM and thickness 1.5mm of the roved brand and make 27b) L Shaped grab bar (1 NOS) Providing S.S. 304 L SHAPED DISABLED GRAB BAR of IZE-600MM (H) X 600MM (D) and 32MM DIA. and thickness mm of the approved brand and make. 27c) Straight grab bar (2 NOS) Providing S.STEEL 304 GRAB RAIL (600 MM),32MM DIA. and thickness 1.5mm of the approved brand and make. SSR 51.89	3	Nos.	20584	61752	**20475**	**61425.0**	21500	64500
INTERNAL WATER SUPPLY SYSTEM								
ITEM NO 148 Providing and fixing on walls/ ceiling/ floor CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.								
a) 15mm dia. SSR 42.55	100	Rmt.	281	28100	**279.3**	**27930.0**	300	30000
c) 20mm dia. SSR 42.56	125	Rmt.	327	40875	**325.5**	**40687.5**	350	43750
d) 25mm dia. SSR 42.57	120	Rmt.	396	47520	**393.75**	**47250.0**	420	50400
f) 32mm dia SSR 42.58	120	Rmt.	455	54600	**452.55**	**54306.0**	480	57600
g) 40mm dia. SSR 42.59	85	Rmt.	569	48365	**565.95**	**48105.8**	600	51000
h) 50mm dia. SSR 42.60	1300	Rmt.	782	1016600	**778.05**	**1011465.0**	820	1066000
ITEM NO 149 Supplying and erecting GI pipe 50 mm dia. 'B 'class at position with accessories complete as per specification no. CW-PLB/GP. CSR 16-5-6	220	Rmt.	608	133760	**605**	**133100.0**	640	140800
ITEM NO 150 Supplying and erecting Gipipe 65 mm dia. 'B'class at position with accessories complete as per specification no. CW-PLB/GP. CSR 16-5-7	1200	Rmt.	767	920400	**763**	**915600.0**	810	972000

ITEM NO.151 Supplying and erecting 20 mm dia gun metal gate valve complete with PN16 pressure rating, as per specification no. FF-VL/GV CSR 13-7-31	15	Nos.	961	14415	**956**	**14340.0**	1010	15150
ITEM NO.152 Supplying and erecting 25 mm dia gun metal gate valve complete with PN16 pressure rating, as per specification no. FF-VL/GV CSR 13-7-32	5	Nos.	1267	6335	**1260**	**6300.0**	1330	6650
ITEM NO.153 Supplying and erecting 32/40 mm dia gun metal gate valve complete with PN16 pressure rating, as per specification no. FF-VL/GV CSR 13-7-33	14	Nos.	1484	20776	**1476**	**20664.0**	1550	21700
ITEM NO.154 Supplying and erecting 50 mm dia gun metal gate valve complete with PN16 pressure rating, as per specification no. FF-VL/GV CSR 13-7-34	5	Nos.	1532	7660	**1524**	**7620.0**	1610	8050
ITEM NO.155Supplying and erecting 20/25mm dia gun metal air release cock, with necessary G.I. coupling to be fitted on top of air vessel or on wet riser complete as per specification no. FF-FFA/ARVCSR 13-8-13	5	Nos.	889	4445	**884**	**4420.0**	930	4650
ITEM NO.156 Providing and making ISI Mark ferrule connection of 32 mm dia. to water main including ferrule coupling cast iron bell mouth cover, built in non return valve and fixing including excavation and reinstatement complete. SSR 42.75	2	Nos.	4175	8350	**4152.75**	**8305.5**	4370	8740
ITEM NO.157 Providing and fixing 50mm diameter water meter with non return valve including strainer, sockets/ union nut and including water meter box making locking arrangement and lock. [without chamber] SSR 41.30	2	Nos.	16415	32830	**16328.55**	**32657.1**	17150	34300
SOIL, WASTE, VENT & RAIN WATER PIPES								
ITEM NO.158 Providing and fixing on walls /ceiling/ floor 40 mm dia. uPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.93	80	Rmt.	549	43920	**546**	**43680.0**	580	46400
ITEM NO.159 Providing and fixing on walls/ ceiling/ floor 50 mm dia. uPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. SSR 42.94	45	Rmt.	762	34290	**758.1**	**34114.5**	800	36000
ITEM NO.160 Providing, laying and fixing P.V.C. pipe of 75mm dia. with	300	Rmt.	455	136500	**452.55**	**135765.0**	480	144000

fittings such as bends, tees, reducers, clamps, etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.27								
ITEM NO.161 Providing, laying and fixing P.V.C. pipe of 110 mm. dia with fittings such as bends, tees, reducers, clamps, etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. SSR 42.28	385	Rmt.	627	241395	**623.7**	**240124.5**	660	254100
ITEM NO.162 P.V.C pipe 160mm dia 4kg/cm2 pressure (class II) SSR PAGE NO.535 SR NO.192	45	Rmt.	779	35055	**774.9**	**34870.5**	820	36900
ITEM NO.163 Providing and fixing 10 cm PVC nahani trap with grating etc. complete. (KHURRA) SSR 42.67	30	NOS.	569	17070	**565.95**	**16978.5**	600	18000
ITEM NO.164 R.C.C pipe Np2 class 225mm dia. 2m long SSR PAGE NO.541 SR.NO.854	60	Rmt.	414	24840	**411.6**	**24696.0**	440	26400
ITEM NO.165 R.C.C pipe Np2 class 300mm dia. 2m long SSR PAGE NO.541 SR.NO.855	60	Rmt.	678	40680	**674.1**	**40446.0**	710	42600
ITEM NO.166 Providing and fixing 15cm x 10cm salt glazed stoneware gully trap in cement concrete 1:4:8 outside the building including cast iron grating in the sink, connecting glazed stoneware pipe, brick masonry chamber with cast iron lid and cast iron grating for the gully trap. SSR 42.02	6	NOS.	1689	10134	**1680**	**10080.0**	1770	10620
ITEM NO.167 Providing and constructing Brick Masonry Inspection Chamber 90cm x 45cm x 90cm including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W pipes, Brick Masonry, plastering from inside and C.I. lid cover of 75Kilogramwith lid and frame fixed in cement concrete. SSR 42.11	6	NOS.	17736	106416	**17642.84**	**105857.0**	18530	111180
ITEM NO.168 Providing and constructing Brick Masonry Inspection Chamber 60cm x 45cm With R.C.C. raft in B.C. soil area including cost of reinforcement, 1:2:4 cement concrete channels half round G.S.W. pipes, Brick Masonry,	6	NOS.	12863	77178	**12794.99**	**76769.9**	13440	80640

plastering from inside and airtight 75 mm thick R.C.C. cover medium duty 100Kilogrametc. complete.SSR 42.16								
ITEM NO.169 Providing and fixing Ductile iron Man Hole Covers/ Strom Water Grating and Grating with frame of Various sizes, weight and types and load bearing capacity as per EN-124, equivalent NECO with prior approval of concerned Superitending Engineer. SSR 50.85	4400	KG.	304	1337600	**302.4**	**1330560.0**	320	1408000
ITEM NO.170 Supplying, erecting, testing and commissioning of minimum three & above star rated centrifugal water pump (monoblock), 415 V, three phase, 50 Hz, A.C supply of 3.75 kW /5 HP with discharge 420/120 lpm for head of 18/51 m & 65 mm suction/50 mm delivery pipe on provided CC foundation as pespecification no. WP-CGP. CSR 12-1-8	2	Nos.	27730	55460	**27584**	**55168.0**	28970	57940
DOMESTIC PUMP FLOW RATE- 170 LPM (1 working + 1 standby)								
HEAD- 45 M								
ITEM NO.171 Supplying, erecting, testing and commissioning of minimum three & above starrated centrifugal water pump (monoblock), 415 V, three phase, 50 Hz, A.C supply of 2.25 kW/3 HP with discharge 720/165 lpm for head of 12/26 m & 65 mm suction/50 mm delivery pipe on provided CC foundation as pespecification no. WP-CGP CSR 12-1-6	2	Nos.	22593	45186	**22474**	**44948.0**	23600	47200
FLUSHING PUMP FLOW RATE- 120 LPM (1 working + 1 standby)								
HEAD- 45 M								
ITEM NO. 172 Pump Room Sump Pump: Supplying, erecting, testing and commissioning of minimum three & above star rated submersible pumpset of 0.75 kW/1 HP with 230 V, single phase, 50 Hz, A.C. supply suitable for 100 mm dia. borewell with 10 to 60 lpm discharge at 88 to 33 m head & discharge & delivery pipe of size-32 mm dia. with a necessary H type clamps as per specification no. WP-SMP. CSR 12-2-33	2	Nos.	18650	37300	**18552**	**37104.0**	19480	38960
SUMP PUMP FLOW RATE- 60 LPM (1 working + 1 standby)								
HEAD- 20 M								
ITEM NO.173 Supplying, erecting, testing and commissioning of minimum three & above star rated centrifugal water pump (monoblock), 230 V, single	2	Nos.	12622	25244	**12555**	**25110.0**	13190	26380

phase, 50 Hz, A.C. supply of 1.125 kW/1.5HP with discharge 198/50 lpm for head of 15/37.5 m & 40 mm suction/32 mm delivery pipe on provided CC foundation as per specification no. WP-CGP.(BOOSTER PUMP) CSR 12-1-3								
ITEM NO.174 Supplying and erecting 75/80 mm dia cast iron double flange NRV complete with PN16 pressure rating, as per specification no. FF-VL/NRV CSR 13-7-23	5	Nos.	6473	32365	**6439**	**32195.0**	6770	33850
ITEM NO.175 Supplying and erecting 75/80 mm dia Cast Iron end line strainer of Y-type flanged end pattern, PN16 pressure rating, SS screen, end connection with Flanged / Screwed / Socket Weld / Butt Weld End etc with standard OAR (open area Ratio) for positive suction complete as per specification no. FF-VL/ELS CSR 13-7-5	4	Nos.	4619	18476	**4595**	**18380.0**	4830	19320
ITEM NO.176 Supplying and erecting 150 mm dia Cast Iron end line strainer of Y-type flanged end pattern, PN16 pressure rating, SS screen, end connection with Flanged / Screwed / Socket Weld / Butt Weld End etc with standard OAR (open area Ratio) for positive suction complete as per specification no. FF-VL/ELS CSR 13-7-7	1	Nos.	11713	11713	**11651**	**11651.0**	12240	12240
ITEM NO.177Supplying and erecting 75/80 mm dia. cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FF VL/BFVCSR 13-7-19	1	Nos.	3239	3239	**3222**	**3222.0**	3390	3390
ITEM NO.178 Supplying and erecting 65 mm dia. cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FF-VL/BFV CSR 13-7-18	2	Nos.	2723	5446	**2709**	**5418.0**	2850	5700
ITEM NO.179 Supplying and erecting 50 mm dia. cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FF-VL/BFV CSR 13-7-17	10	Nos.	2521	25210	**2508**	**25080.0**	2640	26400
ITEM NO.180 Supplying and erecting 100 mm dia. Pressure gauge, 0-300 PSI or 0-14 kg per cm square fitted with 12/15 mm dia. Pad cock valve, erected with provided G.I. pipe, elbow etc. complete as per specification no. FF-FFA/PG CSR 13-8-14	8	Nos.	814	6512	**810**	**6480.0**	860	6880

ITEM NO.181 Supplying, erecting, testing and commissioning of water level controller 230/415 V, A.C. supply , four way under ground & over head tank operation only. CSR 12-4-15	4	Nos.	1312	5248	**1305**	**5220.0**	1380	5520
PLUMBING PANEL								
Incomer								
ITEM NO.182 Providing & erecting 4 Pole MCCB, 415V, up to 100A, rated short-circuit breaking capacity 25 kA (Ics=100% of Icu), adjustable thermal (overload) setting and fixed magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact. MCCB with phase barriers on both sides, insulation withstand capacity 800V, no line-load bus in provided enclosure/panel as per specification no. SW-MCCB CSR 5-5-1	1	Nos.	7007	7007	**6969.6**	**6969.6**	7320	7320
Bus bar with enclosure with all control accessories of 100A Motor control center for fully functioning as Plumbing pump panel with in 1W+1S configuriation								
ITEM NO.183 Supplying and erecting selector switch suitable for voltmeter/ammeter for 3 phase AC supply 500V, 50Hz, on provided box/panel and duly connecting with necessary PVC wire leads and lugs CSR 6-7-1	1	Nos.	357	357	**355**	**355.0**	380	380
ITEM NO.184 Supplying & erecting LED type indicating pilot lamp with LED colours Red / Yellow / Green, 230 / 250V on provided box / panel with necessary material, wiring & connections etc. CSR 6-7-5	3	Nos.	364	1092	**362**	**1086.0**	390	1170
ITEM NO.185 Supplying & erecting of any size Electrolyte Alluminium Patti or bar in bus bar chember / in panel or any other purpose, 500 volt with require capacity with 99.9% alluminium purity with fixing arrangement (like lug or bottle type lug) to both the end with high grade polyolefin insulation sleeve complete as per specification no. BCP-BB CSR 6-2-11	10	kg.	727	7270	**723**	**7230.0**	760	7600
ITEM NO.186 Providing and fixing sheet metal work in CRCA sheet with fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, rivetting etc. treated with anti-rust treament and duly power coated or painted with one coat of red lead paint and 2 coats of enamel paint as directed. For manufacturing of panel, CRCA sheet of min 1.6 mm to 1.8 mm thickness shall be used	15	kg.	262	3930	**261**	**3915.0**	280	4200

for external enclosure and min 1.2 to 1.4 mm thickness for internal separation and min 2 mm to 2.4 mm thickness shall be used for cable entry / gland plate . CSR 6-1-1								
ITEM NO.187Supplying, erecting & marking SPMCB 0.5A to 5A in provided distribution board as per specification No. SW-SWR/MCB CSR 5-3-1	3	Nos.	251	753	**250**	**750.0**	270	810
ITEM NO.188 Providing and erecting L.T. Current Transformer with bar primary 50/5 to 1000/5 ratio with 15VA burden erected in provided CRCA box duly secured with insulating materials connected to the meter with test certificates. CSR 6-7-2	1	Nos.	1181	1181	**1175**	**1175.0**	1240	1240
ITEM NO.189 Supplying, erecting, testing and commissioning of automatic control panel for three phase , 415 V, A.C. supply, submersible/centrifugal pump set upto 7.5 HP consisting of D.O.L. starter having relay range 9-14 A, S.P.P., combined ammeter/voltmeter, phase indicating lamp enclosed in CRCA powder coated vibration proof enclosure with IP54 protection with single phasing, phase reversal, phase imbalance, etc CSR 12-4-17	4	Nos.	6708	26832	**6673**	**26692.0**	7010	28040
ITEM NO.190 Supplying, erecting, testing and commissioning of automatic control panel for single phase, 230 V, A.C. supply submersible/centrifugal pump set upto 3 HP consisting of D.O.L. starter of suitable relay range, S.P.P., combined ammeter/ voltmeter, phase indicating lamp enclosed in CRCA powder coated vibration proof enclosure with IP54 protection. CSR 12-4-20	2	Nos.	4365	8730	**4342**	**8684.0**	4560	9120
ITEM NO.191 Supplying, erecting & marking DP MCB 40A to 63A, B-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-9	6	Nos.	696	4176	**692**	**4152.0**	730	4380
ITEM NO.192 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 3 core 2.5 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-14	100	Rmt.	176	17600	**175**	**17500.0**	190	19000
ITEM NO.193 Supplying, erecting & terminating FR XLPE	200	Rmt.	245	49000	**244**	**48800.0**	260	52000

insulated, galvanised steel wire armoured (round) cable 1100 V, 3 core 4 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-15								
ITEM NO.194 Supplying & erecting single compression type brass cable glands for 2 to 4 core 2.5 sq mm /2 to 4 core 4 sq mm /2 core 6 sq mm cable as per specification No. CB-GL CSR 7-7-1	12	Nos.	73	876	**73**	**876.0**	80	960
ITEM NO.195 Supplying & erecting crimping type copper lugs for cable upto 16 sq mm complete as per specification No. CB-CL/CU CSR 7-9-1	36	Nos.	24	864	**24**	**864.0**	30	1080
ELECTRICAL								
ELECTRICAL PANEL								
ITEM NO.196 Providing & erecting 4 Pole MCCB, 415V,630A, rated short-circuit breaking capacity 50 kA (Ics=100% of Icu), adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact. MCCB should have phase barriers both sides, with insulation withstand capacity 800V, no line-load bias in provided enclosure/panel as per specification no. SW-MCCB (CURRENT SETTING AT 500A) CSR 5-5-7	2	Nos.	33192	66384	**33016.8**	**66033.6**	34670	69340
ITEM NO.197Providing & erecting 4 Pole MCCB, 415V, 200A, rated short-circuit breaking capacity 25 kA (Ics=100% of Icu), adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact. MCCB should have phase barriers both sides, with insulation withstand capacity 800V, no line-load bias in provided enclosure/panel as per specification no. SW-MCCBCSR 5-5-3	2	Nos.	13381	26762	**13310.4**	**26620.8**	13980	27960
ITEM NO.198 Providing & erecting 3 Pole MCCB 415V, 320A, rated short-circuit breaking capacity 36 kA (Ics=100% of Icu) adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact.MCCB should have phase barriers both sides, with insulation withstand capacity 800V,no line-load bias in provided enclosure/panel as per specification no. SW-MCCB CSR 5-5-5	2	Nos.	20101	40202	**19995**	**39990.0**	21000	42000

ITEM NO.199 Providing & erecting 4 Pole MCCB, 415V, up to 100A, rated short-circuit breaking capacity 25 kA (Ics=100% of Icu), adjustable thermal (overload) setting and fixed magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact. MCCB with phase barriers on both sides, insulation withstand capacity 800V, no line-load bias in provided enclosure/panel as per specification no. SW-MCCB CSR 5-5-1	20	Nos.	7007	140140	**6969.6**	**139392.0**	7320	146400
ITEM NO.200 Providing & erecting 3 Pole MCCB, 415V, 160A, rated short-circuit breaking capacity 25 kA (Ics=100% of Icu), adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact. MCCB should have phase barriers both sides, with insulation withstand capacity 800V, no line-load bias in provided enclosure/panel as per specification no. SW-MCCB CSR 5-5-2	8	Nos.	10890	87120	**10832.4**	**86659.2**	11380	91040
ITEM NO.201 Supplying and erecting intelligent flush mounted panel meter three phase four wire (IPM) input voltage measurement range 50-550 V AC (P-P) 415V, aux. supply 90-300 V AC/DC, flush mounted (96 x 96 mm) meter constant Wh viewing in LCD multifunction meters in auto scroll mode with voltage, current, frequency, power factor kW, kVA, kVAR, kWh, kVAh, kVARh, phase angle, interrupts, THD, complete with RS 485 communication protocol, class 1 accuracy and wiring connections and mounting hardware CSR 6-5-9	6	Nos.	9486	56916	**9436**	**56616.0**	9910	59460
ITEM NO.202 Supplying and erecting selector switch suitable for voltmeter/ammeter for 3 phase AC supply 500V, 50Hz, on provided box/panel and duly connecting with necessary PVC wire leads and lugs CSR 6-7-1	16	Nos.	357	5712	**355**	**5680.0**	380	6080
ITEM NO.203 Supplying, erecting & marking of surge arrestor/ surge protection device at the main distribution board after the incoming breaker of type 1+2 tested for Imax 50 kA for three phase and neutral with compliance to IEC 61643-11 as per specification no. CP-SPD CSR 6-8-3	2	Nos.	9603	19206	**9552**	**19104.0**	10030	20060

ITEM NO.204 Supplying and erecting three phase 10 to 60 A net meter DLMS compliance of accuracy class 1.0, 3 x 240V, 50 Hz, with backlit LCD display, optical port and RS232 port (measures import kWh, kVAh, export kWh, kVAh, Net kWh, kVAh,V, I, kW, 6 months history of energy) with wiring connections and mounting hardware on provided panels complete with calibration certificate from manufacturer CSR 6-5-13	2	Nos.	12363	24726	**12298**	**24596.0**	12920	25840
ITEM NO.205Supplying, erecting & marking FP MCB 40A to 63A, with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-13	18	Nos.	1336	24048	**1329**	**23922.0**	1400	25200
ITEM NO.206 Supplying & erecting ON LOAD change over switch 4 Pole, 415V, 160A, open execution having staggered termination, phase barrier, shroud termination and terminalcover along with auxiliary contacts and ready to upgrade with fuse protection kit, operational current category AC23A complying to IS/IEC 60947-3 Part-1/3 as per specification no.SW-SWR/COS CSR 5-1-5	1	Nos.	8775	8775	**8729**	**8729.0**	9170	9170
ITEM NO. 207 Supplying, erecting & marking FP MCB 6A to 32A, with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-12	44	Nos.	1065	46860	**1059**	**46596.0**	1120	49280
ITEM NO. 208 Supplying, erecting & marking SP MCB 6A to 32A, B-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-3	270	Nos.	174	46980	**173**	**46710.0**	190	51300
ITEM NO. 209 Supplying, erecting & marking SP MCB 40A to 63A, B-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-5	70	Nos.	353	24710	**351**	**24570.0**	370	25900
ITEM NO. 210 Supplying, erecting & marking DP MCB 40A to 63A, B-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-7	17	Nos.	513	8721	**510**	**8670.0**	540	9180
ITEM NO. 211 Supplying, erecting & marking DP MCB 40A to 63A, B-series with rated short - circuit breaking capacity (Icn)	27	Nos.	696	18792	**692**	**18684.0**	730	19710

10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-9								
ITEM NO. 212 Supplying, erecting & marking TP MCB 6A to 32A, with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-10	16	Nos.	755	12080	**751**	**12016.0**	790	12640
ITEM NO. 213 Supplying, erecting & commissioning 4 pole RCCB 16/25A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW-RCCB CSR 5-6-4	40	Nos.	2736	109440	**2722**	**108880.0**	2860	114400
ITEM NO 214 Providing & erecting 4 Pole MCCB 415V, 400A, rated short-circuit breaking capacity 36 kA (Ics=100% of Icu), adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/ UV/ trip alarm contact. MCCB should have phase barriers both sides, with insulation withstand capacity 800V, no line-load bus in provided enclosure /panel as per specification no. SW-MCCB CSR 5-5-6	1	Nos.	24379	24379	**24250.8**	**24250.8**	25470	25470
ITEM NO 215Supplying, erecting, testing & commissioning 125 kVAr, 3 phase, 50 Hz., APFCPanel with derated power contactor of suitable rating for capacitor switching Application for each step controlled by microprocessor based APFC relay consisting of 2,3,5,10,20,20,20,20 or suitable steps of MPP /APP type capacitor with 525 V and having minimum overcurrent capacity of 1.8 In, peak inrush current capacity 300 In and minimum life 150000 hours with detuned aluminium wound reactor of 7/ 14% for each step, APFC Panel shall suitable rating MCCB as incomer and each branch/step shall have separate isolation with MCCB/MCB of Suitable rating for protection, compliance to IEC 61439 and power quality IEC 61921 standard as per specification no. CP-ED/APFCCSR 6-9-20	1	Nos.	509524	509524	**506838**	**506838.0**	533000	533000
ITEM NO 216 Supplying, erecting, testing & commissioning 35 kVAr, 3 phase, 50 Hz., APFC Panel with derated power contactor of suitable rating for capacitor switching Application for each step controlled by microprocessor based APFC relay consisting of 2,3,5,5,10,10 or suitable steps	1	Nos.	203424	203424	**202352**	**202352.0**	212500	212500

of MPP /APP type capacitor with 525 V and having minimum overcurrent capacity of 1.8 In, peak inrush current capacity 300 In and minimum life 150000 hours with detuned aluminium wound reactor of 7/ 14% for each step, APFC Panel shall suitable rating MCCB as incomer and each branch/step shall have separate isolation with MCCB/MCB of Suitable rating for protection, compliance to IEC 61439 and power quality IEC 61921 standard as per specification no. CP-ED/APFC. CSR 6-9-17								
ITEM NO.217 Supplying & erecting LED type indicating pilot lamp with LED colours Red / Yellow / Green, 230 / 250V on provided box / panel with necessary material, wiring & connections etc. CSR 6-7-5	36	Nos.	364	13104	**362**	**13032.0**	390	14040
ITEM NO.218 Supplying, erecting & marking SPMCB 0.5A to 5A in provided distribution board as per specification No. SW-SWR/MCB CSR 5-3-1	36	Nos.	251	9036	**250**	**9000.0**	270	9720
ITEM NO.219 Providing and erecting L.T. Current Transformer with bar primary 50/5 to 1000/5 ratio with 15VA burden erected in provided CRCA box duly secured with insulating materials connected to the meter with test certificates CSR 6-7-2	8	Nos.	1181	9448	**1175**	**9400.0**	1240	9920
ITEM NO.220 Supplying, erecting, testing & commissioning of any size electrolyte aluminium patti or bar in bus bar chamber / in panel or any other purpose, 500 V with require capacity 99.9% aluminium purity with E91E Grade as per IS 5082 & current density 0.8 A per sq mm with fixing arrangement (like lug or bottle type lug) to both the end with high grade polyolefin insulation sleeve complete as per specification no. CP-BB CSR 6-2-11	250	kg.	727	181750	**723**	**180750.0**	760	190000
ITEM NO.221 Providing and fixing sheet metal work in CRCA sheet with fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, rivetting etc. treated with anti-rust treament and duly power coated or painted with one coat of red lead paint and 2 coats of enamel paint as directed. For manufacturing of panel, CRCA sheet of min 1.6 mm to 1.8 mm thickness shall be used for external enclosure and min 1.2 to 1.4 mm thickness for internal separation and min 2	2000	kg.	262	524000	**261**	**522000.0**	280	560000

mm to 2.4 mm thickness shall be used for cable entry / gland plate . CSR 6-1-1								
ITEM NO 222Supplying & erecting CRCA sheet metal one way enclosures of 1.2mm thickness suitable for DP MCB/TP MCB/FP MCB/RCCB/RCBO complete erected on provided angle iron/GI frame CSR 5-4-15	20	Nos.	410	8200	**408**	**8160.0**	430	8600
ITEM NO 223 Supplying and erecting single pole and neutral distribution board (SPNDB), with 2 ways for incoming and 6 ways (6 poles) for outgoing SP MCBs, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on provided iron/GI frame as per specification no. SW-MCBDB CSR 5-4-9	8	Nos.	1340	10720	**1333**	**10664.0**	1400	11200
ITEM NO 224 Supplying and erecting single pole and neutral distribution board (SPNDB), with 2 ways for incoming and 8 ways (8 poles) for outgoing SP MCBs, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on provided iron/GI frame as per specification no. SW-MCBDB CSR 5-4-10	7	Nos.	1511	10577	**1503**	**10521.0**	1580	11060
ITEM NO.225 Supplying, fixing and commissioning 2 pole RCBO up to 25A, with overcurrent, rated short-circuit breaking capacity (10 kA) and earth leakage protection, with 30/100/300 mA sensitivity and short circuit and earth leakage trip indication as per specification no SW-RCBO. CSR 5-6-9	10	Nos.	3196	31960	**3179**	**31790.0**	3340	33400
ITEM NO 226 Supplying & erecting triple pole and neutral distribution board (TPNDB), SPMCB of 12ways/phase (36 poles), with door, 1.2mm thickness, surface/flush mounted, IP 43 protection on provided iron/GI frame (horizontal busbar type) as per specification no. SW-MCBDB CSR 5-4-3	8	Nos.	4140	33120	**4118**	**32944.0**	4330	34640
ITEM NO 227 Supplying & erecting triple pole and neutral distribution board (TPNDB), SP/TP MCBs total 4 ways/12 Poles, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on provided iron/GI frame (vertical busbar type) as per specification no. SW-MCBDB CSR 5-4-4	2	Nos.	4606	9212	**4582**	**9164.0**	4820	9640
ITEM NO 228 Supplying & erecting triple pole and neutral distribution board (TPNDB), SPMCB of 4	5	Nos.	3335	16675	**3317**	**16585.0**	3490	17450

ways/phase (12 poles), with door, 1.2mm thickness, surface/flush mounted, IP 43 protection on provided iron/GI frame (horizontal busbar type) as per specification no. SW-MCBDB CSR 5-4-2.								
ITEM NO.229 Supplying & erecting triple pole and neutral distribution board (TPNDB), SPMCB of 4 ways/phase (12 poles), with door, 1.2mm thickness, surface/flush mounted, IP 43 protection on provided iron/GI frame (horizontal busbar type) as per specification no. SW-MCBDB CSR 5-4-1.	5	Nos.	2404	12020	**2391**	**11955.0**	2520	12600
ITEM NO.230 SSupplying and erecting single pole and neutral distribution board (SPNDB), with 2 ways for incoming and 4 ways (4 poles) for outgoing SP MCBs, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on provided iron/GI frame as per Specification no. SW-MCBDB CSR 5-4-8	4	Nos.	989	3956	**984**	**3936.0**	1040	4160
ITEM NO.231 Supplying, fixing and commissioning 4 pole RCBO 32/40A, with overcurrent, rated short-circuit breaking capacity (10 kA) and earth leakage protection, with 30/100/300 mA sensitivity and short circuit and earth leakage trip indication as per specification no SW-RCBO CSR 5-6-13	7	Nos.	4234	29638	**4212**	**29484.0**	4430	31010
ITEM NO.232Supplying & erecting triple pole and neutral distribution board (TPNDB), SP/TP MCBs total 12 ways/36 poles, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on provided iron/GI frame (vertical busbar type) as per specification no. SW-MCBDBCSR 5-4-6	5	Nos.	7780	38900	**7739**	**38695.0**	8130	40650
ITEM NO.233 Supplying, erecting & marking DP MCB 6 A to 32 A, B-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-MCB CSR 5-3-7	20	Nos.	513	10260	**510**	**10200.0**	540	10800
ITEM NO.234 Supplying & erecting mains with 4x4 sq mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places as per specification no WG-MA/BW Continuous earth wire size shall be selected as per IS 732:2019 CSR 1-3-3	700	Rmt.	249	174300	**247.5**	**173250.0**	260	182000
ITEM NO.235 Supplying & erecting HMS PVC conduit 20mm dia. with necessary accessories in	3000	Rmt.	105	315000	**104**	**312000.0**	110	330000

wall/floor with chiselling appropriately as per specification no. WG-MA/CC CSR 1-1-7								
ITEM NO.236 Supplying & laying HMS PVC conduit 20mm dia. with necessary accessories in RCC work/false ceiling/false flooring as per specification no. WG-MA/CC CSR 1-1-8	3850	Rmt.	90	346500	**90**	**346500.0**	100	385000
ITEM NO.237 Supplying & erecting HMS PVC conduit 25mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification no. WG-MA/CC. CSR 1-1-9	1250	Rmt.	117	146250	**116**	**145000.0**	130	162500
ITEM NO.238 Supplying & laying HMS PVC conduit 25mm dia with necessary accessories in RCC work/false ceiling/false flooring as per specification WG-MA/CC CSR 1-1-10	4250	Rmt.	103	437750	**102**	**433500.0**	110	467500
ITEM NO.239 Supplying & laying HMS PVC conduit 32mm dia. with necessary accessories in RCC work/false ceiling/false flooring as per specification no. WG-MA/CC. CSR 1-1-12	600	Rmt.	140	84000	**139**	**83400.0**	150	90000
ITEM NO.240 Supplying and erecting HMS PVC conduit 32 mm dia. with PVC accessories on wall/floor with chiselling as per specification no. WG-MA/CON CSR 1-1-11	115	Rmt.	154	17710	**153**	**17595.0**	170	19550
ITEM NO.241 Supplying and erecting 25mm dia. corrugated flexible polypropylene conduit CSR 1-2-2	1200	Rmt.	19	22800	**19**	**22800.0**	20	24000
ITEM NO.242Supplying & erecting mains with 2x1.5 sq mm FRLSH copper PVC insulatedwire laid in provided conduit/trunking/inside pole/bus bars or any other placesas per specification no. WG-MA/BWCSR 1-3-1	7000	Rmt.	46	322000	**46**	**322000.0**	50	350000
ITEM NO.243 Supplying & erecting mains with 2x1.5 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places as per specification no. WG-MA/BW(GREEN COLOUR EARTH WIRE) CSR 1-3-1	1600	Rmt.	23	36800	**23**	**36800.0**	30	48000
ITEM NO.244 Supplying & erecting mains with 2x2.5 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places. as per specification no. WG-MA/BW CSR 1-3-2	5500	Rmt.	71	390500	**71**	**390500.0**	80	440000

ITEM NO 245 Supplying & erecting mains with 2x2.5 sq mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places. as per specification no. WG-MA/BW (GREEN COLOUR EARTH WIRE) CSR 1-3-2	2100	Rmt.	36	75600	**35.5**	**74550.0**	40	84000
ITEM NO 246 Supplying & erecting mains with 2x4 sq mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places. as per specification no. WG-MA/BW 9 CSR 1-3-3	1800	Rmt.	100	180000	**99**	**178200.0**	110	198000
ITEM NO 247 Supplying and erecting modular type switch 6A / 10A ISI mark approved make duly erected on provided plate and box with wiring connections complete. CSR 1-6-1	530	Nos.	72	38160	**72**	**38160.0**	80	42400
ITEM NO 248 Supplying and erecting modular type switch 16A ISI mark approved make duly erected on provided plate and box with wiring connections complete. CSR 1-6-2	420	Nos.	109	45780	**108**	**45360.0**	120	50400
ITEM NO 249 Supplying and erecting modular type switch one way 16/20 A on provided plate and box with wiring connections complete with neon indicator CSR 1-6-7	40	Nos.	129	5160	**128**	**5120.0**	140	5600
ITEM NO 250 Supplying and erecting modular type 3 pin 6A multi socket with safety shutter ISI mark approved make duly erected on provided plate and box with wiring connections complete CSR 1-6-10	180	Nos.	117	21060	**116**	**20880.0**	130	23400
ITEM NO 251 Supplying and erecting modular type 3 pin 6 / 16A multi socket with safety shutter ISI mark approved make duly erected on provided plate and box with wiring connections complete CSR 1-6-11	280	Nos.	187	52360	**186**	**52080.0**	200	56000
ITEM NO 252 Supplying and erecting modular type 6/16A fuse unit on provided plate and box with wiring connections complete. CSR 1-6-13	30	Nos.	130	3900	**129**	**3870.0**	140	4200
ITEM NO 253 Supplying and erecting modular type T.V. socket single outlet on provided plate and box with wiring connections complete CSR 1-6-14	30	Nos.	110	3300	**109**	**3270.0**	120	3600
ITEM NO 254Supplying and erecting unbreakable concealed type modularswitch box with double mounting plate for 1	70	Nos.	232	16240	**231**	**16170.0**	250	17500

module dulyerected flush to wall with required chiselling and finishing withcement morter / POP as per required to match the backgroundin an approved manner.CSR 1-6-34								
ITEM NO.255 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 2 module duly erected flush to wall with required chiselling and finishing with cement morter / POP as per required to match the background in an approved manner. CSR 1-6-35	100	Nos.	235	23500	**234**	**23400.0**	250	25000
ITEM NO.256 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 3 module duly erected flush to wall with required chiselling and finishing with cement morter / POP as per required to match the background in an approved manner. CSR 1-6-36	80	Nos.	270	21600	**269**	**21520.0**	290	23200
ITEM NO.257 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 6 module duly erected flush to wall with required chiselling and finishing with cement morter / POP as per required to match the background in an approved manner. CSR 1-6-38	70	Nos.	391	27370	**389**	**27230.0**	410	28700
ITEM NO.258 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 12 module duly erected flush to wall with required chiselling and finishing with cement morter / POP as per required to match the background in an approved manner. CSR 1-6-40	35	Nos.	547	19145	**544**	**19040.0**	580	20300
ITEM NO.259 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 16 / 18 module duly erected flush to wall with required chiselling and finishing with cement morter / POP as per required to match the background in an approved manner. CSR 1-6-41	20	Nos.	617	12340	**614**	**12280.0**	650	13000
ITEM NO.260 Supplying and erecting ceiling rose/ batten holder/ slanting holder/ hanging cord switch/ hanging bell push/ pendant holder bakelite base 6A erected on filled polypropylene board or polished double wooden block/ PVC junction box. CSR 1-5-5	30	Nos.	43	1290	**43**	**1290.0**	50	1500
ITEM NO.261 Supplying and erecting modular type telephone socket one gang with safety shutter	30	Nos.	115	3450	**114**	**3420.0**	120	3600

ISI mark approved make duly erected on provided plate and box with wiring connections complete. CSR 1-6-15								
ITEM NO 262 Supplying and erecting modular type computer Jack RJ 45 with safety shutter ISI mark approved make duly erected on provided plate and box with wiring connections complete. CSR 1-6-17	30	Nos.	153	4590	**152**	**4560.0**	160	4800
ITEM NO 263 Supplying and erecting modular type blanking plate one module ISI mark approved make duly erected on provided plate & box. CSR 1-6-24	50	Nos.	24	1200	**24**	**1200.0**	30	1500
ITEM NO 264 Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 4 module duly flushed to wall with required chiselling and finishing with cement mortar / POP as per required to match the background. CSR 1-6-29	60	Nos.	197	11820	**196**	**11760.0**	210	12600
ITEM NO 265Supplying, erecting & terminating FR XLPE insulated, galvanised steel wirearmoured (round) cable 1100 V, 3 core 6 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CUCSR 7-2-16	40	RM	320	12800	**318**	**12720.0**	340	13600
ITEM NO 266 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 4 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-31	160	RM	301	48160	**299**	**47840.0**	320	51200
ITEM NO 267 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 6 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-32	440	RM	400	176000	**398**	**175120.0**	420	184800
ITEM NO 268 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 10 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-33	70	RM	608	42560	**605**	**42350.0**	640	44800

ITEM NO.269 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 16 sq mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-34	610	RM	872	531920	**867**	**528870.0**	920	561200
ITEM NO.270 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 16 sq mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-35	680	RM	1392	946560	**1385**	**941800.0**	1460	992800
ITEM NO.271 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 50 sq mm. aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid inprovided trench/ pipe as per specification no. CB-LT/AL CSR 7-1-17	100	RM	388	38800	**386**	**38600.0**	410	41000
ITEM NO.272 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 4 core 25 sq mm. aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL (Wire Armoured) CSR 7-1-30	60	RM	266	15960	**265**	**15900.0**	280	16800
ITEM NO.273 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 25 sq mm. aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL (Wire Armoured) CSR 7-1-12	230	RM	218	50140	**217**	**49910.0**	230	52900
ITEM NO.274 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 95 sq mm. aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL (Wire Armoured) CSR 7-1-19	250	RM	706	176500	**702.65**	**175662.5**	740	185000

ITEM NO.275Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 185 sq. mm. aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/ALCSR 7-1-22	150	RM	1108	166200	**1102**	**165300.0**	1160	174000
ITEM NO.276 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 150 sq mm. aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL CSR 7-1-21	200	RM	907	181400	**902**	**180400.0**	950	190000
ITEM NO.277 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 120 sq mm. aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL CSR 7-1-20	250	RM	765	191250	**761**	**190250.0**	800	200000
ITEM NO.278 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 70 sq mm. aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL CSR 7-1-18	60	RM	502	30120	**499**	**29940.0**	530	31800
ITEM NO.279 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3½ core 70 sq mm. aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL CSR 7-1-21	170	RM	907	154190	**902**	**153340.0**	950	161500
ITEM NO.280 Supplying & erecting single compression type brass cable glands for 2 to 4 core 2.5 sq mm /2 to 4 core 4 sq mm /2 core 6 sq mm cable as per specification No. CB-GL CSR 7-7-1	30	Nos.	73	2190	**73**	**2190.0**	80	2400
ITEM NO.281 Supplying & erecting single compression type brass cable glands for 3 to 4 core 6 sq mm	64	Nos.	93	5952	**93**	**5952.0**	100	6400

/2 to 4 core 10 sq mm cable as per specification No. CB-GL CSR 7-7-2								
ITEM NO 282 Supplying & erecting single compression type brass cable glands for 3 to 4 core 16 sq mm /3 to 4 core 25 sq mm /3 core 35 sq mm cable as per specification No. CB-GL CSR 7-7-3	26	Nos.	186	4836	**185**	**4810.0**	200	5200
ITEM NO 283 Supplying & erecting single compression type brass cable glands for 4 core 35 Sq mm /3 core 50 Sq mm. cable as per specification no. CB-GL CSR 7-7-4	6	Nos.	209	1254	**208**	**1248.0**	220	1320
ITEM NO 284 Supplying & erecting single compression type brass cable glands for 3½ core 95 sq mm cable as per specification No. CB-GL CSR 7-7-7	12	Nos.	317	3804	**315**	**3780.0**	340	4080
ITEM NO 285 Supplying & erecting single compression type brass cable glands for 3½ core 120 sq mm cable as per specification No. CB-GL CSR 7-7-8	6	Nos.	374	2244	**372**	**2232.0**	400	2400
ITEM NO 286 Supplying & erecting single compression type brass cable glands for 3½ core 150 sq mm cable as per specification No. CB-GL CSR 7-7-9	6	Nos.	374	2244	**372**	**2232.0**	400	2400
ITEM NO 287 Supplying & erecting single compression type brass cable glands for 3½ core 185 sq mm cable as per specification No. CB-GL CSR 7-7-10	4	Nos.	589	2356	**586**	**2344.0**	620	2480
ITEM NO 288 Supplying & erecting single compression type brass cable glands for 3½ core 70 sq mm cable as per specification No. CB-GLCSR 7-7-6	4	Nos.	281	1124	**280**	**1120.0**	300	1200
ITEM NO 289 Supplying & erecting crimping type copper lugs for cable 50 sq mm complete as per specification No. CB-CL/CU CSR 7-10-4	8	Nos.	24	192	**24**	**192.0**	30	240
ITEM NO 290 Supplying & erecting crimping type copper lugs for cable 70 sq mm complete as per specification No. CB-CL/CU CSR 7-10-5	10	Nos.	31	310	**31**	**310.0**	40	400
ITEM NO 291 Supplying & erecting crimping type aluminium lugs for cable 95 sq mm complete as per specification No. CB-CL/AL CSR 7-10-6	24	Nos.	33	792	**33**	**792.0**	40	960
ITEM NO 292 Supplying & erecting crimping type aluminium lugs for cable 120 sq mm complete as per specification No. CB-CL/AL CSR 7-10-7	8	Nos.	47	376	**47**	**376.0**	50	400

ITEM NO.293 Supplying & erecting crimping type aluminium lugs for cable 150 sq mm complete as per specification No. CB-CL/AL CSR 7-10-8	8	Nos.	59	472	**59**	**472.0**	70	560
ITEM NO.294 Supplying & erecting crimping type aluminium lugs for cable185 sq mm complete as per specification No. CB-CL/AL CSR 7-10-9	16	Nos.	78	1248	**78**	**1248.0**	90	1440
ITEM NO.295 Supplying & erecting crimping type copper lugs for cable upto 16 sq mm complete as per specification No. CB-CL/CU CSR 7-9-1	90	Nos.	24	2160	**24**	**2160.0**	30	2700
ITEM NO.296 Supply, installing, and testing of maintenance free earthing comprising of electrode of 17.2 mm diameter Low Carbon Steel with 250 micron molecular copper bonded earthing rod of Length 3m along with Carbon based environment friendly back fill ground enhancing compound required to fill up the excavated earth with required quantity (min. 125kg) complete, and recording the results specification no. EA-MF CSR 9-1-5	14	Nos.	12422	173908	**12357**	**172998.0**	12980	181720
ITEM NO.297 Supplying and erecting GI strip of required size used for earthing on wall and/or any other purpose with necessary GI clamps fixed on wall painted with bituminous paint in an approved manner with joints required as per specification no EA-EP. CSR 9-2-3	14	KG	237	3318	**236**	**3304.0**	250	3500
ITEM NO.298 Supplying and laying (including excavation of suitable width & depth up to 90 cm) 120 mm outside dia double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, complete CSR 7-6-12	300	Rmt	376	112800	**374**	**112200.0**	400	120000
ITEM NO.299 Supplying and erecting GI earth conductor of required sizes used for earthing or any other purposes on wall with necessary GI clamps fixed on wall/cable/ conduit with screws complete(8 SWG) CSR 9-2-5	100	KG	169	16900	**168**	**16800.0**	180	18000
ITEM NO.300 Supplying, installing, testing & commissioning digital (hybrid) type EPABX of 6 x 16 universal extensions compliant to IEC 61000, EN 60950, CISPR 22, IS 9000 part 2/section 4 having LAN/WAN Port, USB port, RS232 port as per specification complete as per specification no. WG-TA CSR 19-2-25	1	Nos.	49033	49033	**48774**	**48774.0**	51220	51220

ITEM NO.301 Supplying, erecting, testing and commissioning of diesel generating set with alternator of 100 kVA output continuous rating, 3 phase, 415 V, 50 Hz, 0.8 p.f., A.C. supply, a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, along with standard accessories, self-excited, self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS4722-2001 with voltage regulation +/- 5 %, with performance class G2/G3 and maximum fuel consumption 17.4 ltr/hr @75% loading. Both the engine and alternator direct coupled on a common fabricated steel base frame and mounted on anti-vibrating pads, with standard control panel comprising meters, switchgears, indicators connected with suitable wires/cables, the complete set enclosed in composite acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA sheet, sound absorbing material to restrict sound level up to 75dB at 1.0 m, provided with first filling of oil, diesel not less than 230 ltr etc , on provided M20 grade CC foundation as per specification no. GEN-DGCSR 11-1-12	1	Nos.	926573	926573	**921688**	**921688.0**	968000	968000
ITEM NO.302 Supplying, erecting, testing and commissioning of microprocessor based AMF panel suitable for diesel generating set of above 82.5 kVA upto 100 kVA capacity 3 phase, 415 V, 50 Hz, A.C. supply with all standard features, safeties etc as per specification no. GEN-AMF. CSR 11-2-10	1	Nos.	117964	117964	**117342**	**117342.0**	123300	123300
ITEM NO. 303 Supplying, erecting, testing and commissioning of diesel generating set with alternator of 40 kVA output continuous rating, 3 phase, 415 V, 50 Hz, 0.8 p.f., A.C. supply, a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, along with standard accessories, self-excited self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 %, with performance class G2/G3 and maximum fuel consumption 7.47 ltr/hr @75% loading. Both the engine and alternator direct coupled on a common fabricated steel base frame and mounted on anti-	1	Nos.	553702	553702	**550783**	**550783.0**	579000	579000

vibrating pads, with standard control panel comprising meters, switchgears, indicators connected with suitable wires/cables, the complete set enclosed in composite acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA sheet, sound absorbing material to restrict sound level up to 75 dB at 1.0 m, provided with first filling of oil, diesel not less than 75 ltr etc., on provided M20 grade CC foundation as per specification no. GEN-DG CSR 11-1-8								
ITEM NO. 304 Supplying, erecting, testing and commissioning of microprocessor based AMF panel suitable for diesel generating set of above 40 kVA upto 50 kVA capacity 3 phase, 415 V, 50 Hz, A.C supply with all standard features, safeties etc as per specification no. GEN-AMF CSR 11-2-7	1	Nos.	75703	75703	**75304**	**75304.0**	79070	79070
ITEM NO.305 Providing & erecting hot dipped galvanised ladder type cable tray manufactured from 16 SWG GI sheet of 300 mm width & 100 mm height with required standard accessories CSR 7-11-3	450	Rmt	864	388800	**859**	**386550.0**	910	409500
ITEM NO.306 Providing & erecting hot dipped galvanised perforated type cable tray manufactured from 16 SWG GI sheet of 300 mm width & 75 mm height complete with necessary coupler plates & hardware. CSR 7-11-8	200	Rmt	850	170000	**846**	**169200.0**	890	178000
ITEM NO.307Providing & erecting hot dipped galvanised perforated type cable tray manufactured from 16 SWG GI sheet of 200 mm width & 75 mm height complete with necessary coupler plates & hardwareCSR 7-11-7	150	Rmt	680	102000	**676**	**101400.0**	710	106500
ITEM NO.308 Providing & erecting hot dipped galvanised perforated type cable tray manufactured from 16 SWG GI sheet of 150 mm width & 75 mm height complete with necessary coupler plates & hardware CSR 7-11-6	150	Rmt	593	88950	**590**	**88500.0**	620	93000
ITEM NO. 309 Supplying, erecting, testing & commissioning of 10 kVA capacity on line pure sine wave,PWM,IGBT based UPS with 0.9 to unity output pf ,3 phase input & 3 phase output complete with all protections as per specification no. AP-UPS(Without batteries) CSR 3-7-7	1	Nos.	184770	184770	**180484**	**180484.0**	189600	189600
ITEM NO.310 Supplying and erecting 12 V/42Ah SMF battery with battery terminal wire, duly charged complete with 24	2	Nos.	4951	9902	**4925**	**9850.0**	5180	10360

months warranty complete CSR 3-8-10								
ITEM NO.311 Supplying and erecting 12 V/100Ah SMF battery with battery terminal wire, duly charged complete with 24 months warranty complete. CSR 3-8-12	1	NOS.	9600	9600	**9549**	**9549.0**	10030	10030
ITEM NO.312 Supplying, erecting, testing & commissioning of 3 kVA capacity on line pure sine wave,PWM,IGBT based UPS with 0.8 to unity output pf ,single phase input & 1 phase output complete with all protections as per specification no. AP-UPS (Without batteries) CSR 3-7-3	1	Nos.	51570	51570	**51298**	**51298.0**	53870	53870
ITEM NO.313 Supplying and erecting 12 V/V/65Ah SMF battery with battery terminal wire, duly charged complete with 24 months warranty complete CSR 3-8-11	1	Nos.	7540	7540	**7540**	**7540**	7880	7880
ITEM NO.314 Supplying and erecting integrated LED street light fitting 23 to 25W IP65 & IK08 class having single piece pressure die-cast aluminium housing, having system lumens output of Min. 2300 Lumens, min. efficacy of 100 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.95, operating range of 140-270V, inbuilt surge protection of 10 kV, Life class of 50,000 Hrs at L70B50 including driver complete with minimum 2 Years warranty as per specification No. FGODF/ SL. CSR 2-3-2	40	NOS.	6718	268720	**6683**	**267320.0**	7020	280800
ITEM NO.315 Supplying and erecting Street light bracket made from 25 mm. dia 'B' class G.I. Pipe, 0.6 m in length along with pole cap of 300 mm length and 80 mm dia duly welded with provided leads as per specification no. FG-BKT/BPC. CSR 2-6-1	40	NOS.	724	28960	**720**	**28800.0**	760	30400
ITEM NO. 316 Providing & erecting 4 m high (clear height) galvanised octagonal pole with foundation bolts having bottom of 130 mm A/F, top 70 mm A/F on provided foundation as per specification no. OH-PL/OPL CSR 8-2-10	40	NOS.	11805	472200	**11743**	**469720.0**	12340	493600
ITEM NO. 317 Supplying and erecting anodized aluminium light LED fitting (4 feet) Max. 22W with high transitivity diffuser with system lumens output of Min.2200 lumens , min. efficacy of 100 lumen/W, CRI>80, CCT upto 6000K, Beam Angle of 110 deg., Ripple<5%, THD<20%, p.f.	35	NOS.	806	28210	**802**	**28070.0**	850	29750

>0.95, operating range of 200-270V,surge protection of 2 kV, Life class of 50,000 Hrs at L70B50 including driver with end caps on provided PVC Block/wooded board with minimum 2 years warranty as per specification No. FG-IDF/LED CSR 2-1-18								
ITEM NO.318 Supplying and erecting integrated LED Bollard Cylindrical / Cubical shaped 800mm 8W IP65 & IK10 class having extrusion aluminium housing with polycarbonate diffuser, having system lumens output of Min. 800 Lumens, min. efficacy of 100 lumen/W, CRI>80, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-240V, inbuilt surge protection of 2 kV, Life class of 25,000 Hrs. at L50B50, including driver complete with minimum 2 Year warranty as per specification No FG-ODF/BL. CSR 2-3-20	140	NOS	6870	961800	**6834**	**956760.0**	7180	1005200
ITEM NO.319 Supplying and erecting LED square / circular Max. 11 W (9W) down lighter/Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 1200 Lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs at L70B50 including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with minimum 2 years warranty as per specification No. FG-IDF/LED CSR 2-1-3	224	NOS	811	181664	**807**	**180768.0**	850	190400
ITEM NO.320 Supplying LED concealed type foot / step light with aluminium body for indoor / outdoor application suitable for 4W - 6W LED including driver and erecting by making necessary arrangement / recess in wall to make it flush with surface with minimum 1 year warranty as per specification No. FG-IDF/LED CSR 2-1-12	60	NOS	1925	115500	**1915**	**114900.0**	2020	121200
ITEM NO.321 Supplying and erecting anodized aluminium mirror light LED fitting (2 feet) for toilet area Indirect lighting Max. 12W with high transitivity diffuser with min. system lumens output of 1200 lumens, min. efficacy of 100	40	NOS	457	18280	**455**	**18200.0**	480	19200

lumen/W, CRI>80, CCT upto 6000K, Beam Angle of 110 deg., Ripple<5%, THD<20%, p.f. >0.95, operating range of 200-270V, surge protection of 2 kV, Life class of 50,000 Hrs at L70B50 including driver with end caps on provided PVC Block / wooded board with minimum 2 years warranty as per specification No. FG-IDF/LED CSR 2-1-16								
ITEM NO.322 Supplying and erecting LED square / circular Max. 25 W down lighter / panelLight having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 2750 Lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs at L70B50 including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with minimum 2 years warranty as per specification No. FG-IDF/LED. CSR 2-1-6	198	NOS	1955	387090	**1945**	**385110.0**	2050	405900
ITEM NO.323 Supplying and erecting LED square / circular Max. 18 W down lighter / Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 2000 Lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs at L70B0 including driver, having mountingarrangement with board for surface type or spring loaded mounting clips complete with minimum 2 years warranty as per specification No. FG-IDF/LEDCSR 2-1-5	298	NOS	1552	462496	**1544**	**460112.0**	1630	485740
ITEM NO.324 Supplying and erecting integrated LED Highbay Fitting 70W IP65 & IK08 class having die cast aluminium housing with polycarbonate diffuser with integrated optics, having system lumens output of Min.10000 Lumens, min. efficacy of 145 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-240V, inbuilt surge protection of 4 kV, Life class of 50,000 Hrs at L50B50, including driver	80	NOS	10403	832240	**10348**	**827840.0**	10870	869600

complete with 2 Year warranty as per specification No FG-ODF/LED CSR 2-5-1								
ITEM NO 325 Light fixtures complete with: a) All fixing accessories, mounting Brackets etc. necessary for completeness of installation. b) Lamp of specified wattage c) Electronic ballast of sutable capacity as per specification R3-ME-4-4 Industrial Flood light Symmetrical, Integral type luminaire with 250W metal halide lamp with control gear and filament as per specification MCGM R3-ME-4-4-a	15	NOS	10700	160500	**10644**	**159660.0**	11180	167700
ITEM NO 326 Supplying and erecting Uplighter Wall lights (OWL 402) Wall lights led - 18w/ 40w with high transitivity diffuser -Clear/Frosted Toughened Glass, CCT upto 3000K/4000k/6000k, Hosing: Aluminium, IP65, Durable and Vandal resistant complete with all fixtures As per Drawing and Specification Approved MR	15	NOS	2161	32415	**2150**	**32250.0**	2260	33900
ITEM NO 327 Supplying and erecting Uplighter Wall lights (OWL 406) Wall lights led - 2X18w/ 2X40w with high transitivity diffuser -Clear/Frosted Toughened Glass, CCT upto 3000K/4000k/6000k, Hosing: Aluminium, IP65, Durable and Vandal resistant complete with all fixtures As per Drawing and Specification Approved MR	15	NOS	4524	67860	**4500**	**67500.0**	4730	70950
ITEM NO 328 Supplying and erecting led profile light 12 w conforming IP 65 of any colour with driver complete. (Including Casing) Spec. As directed by Engineer-In-Charge. and Drawing Approved MR	150	RMT	2594	389100	**2580**	**387000.0**	2710	406500
ITEM NO 329 Supplying and erecting LED Panel Light (600mm X 600mm) Max. 35 W having CRCA powder coated housing, polystyrene diffuser having system lumens output of Min 4200 Lumens, min. efficacy of 120 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs at L70B50 including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with minimum 2 years warranty as per specification No. FG-IDF/LED CSR 2-1-8	100	NOS	2902	290200	**2887**	**288700.0**	3040	304000

ITEM NO.330 Supplying and erecting cabin fan of A.C. 230 V. 50 cycles 250 mm. /300 mm. sweep complete with necessary brackets for fixing cabin fans, wire etc. CSR 2-9-11	30	NOS	1858	55740	**1848**	**55440.0**	1950	58500
ITEM NO.331Supplying and erecting regular/ standard model ceiling fan of 900 /1050 mm. sweep complete erected in position as per specification no. FG-FN/CF CSR-2-9-2 /Pg 25	30	NOS	1887	56610	**1877**	**56310.0**	1980	59400
ITEM NO.332 Supplying and erecting electronic type step regulator for ceiling fan 600/ 900/1050 mm CSR 2-10-9/Pg 27	30	NOS	192	5760	**191**	**5730.0**	210	6300
ITEM NO.333 Supplying and erecting regular/ standard model ceiling fan of 1400 mm. sweep complete erected in position as per specification no. FG-FN/CF. CSR 2-9-3	30	NOS	2118	63540	**2107**	**63210.0**	2220	66600
ITEM NO.334 Supplying and erecting fan hook of 10 mm. M.S. round bar grouted in RCC slab with making the site as original. CSR 2-10-4	30	NOS	123	3690	**122**	**3660.0**	130	3900
ITEM NO.335 Supplying and erecting 'B' grade G.I. pipe / M.S. pipe down rod duly painted for fan complete erected with PVC three core flexible cable 1 sq. mm copper PVC wire. CSR 2-10-6	30	m	242	7260	**241**	**7230.0**	260	7800
ITEM NO.336 Supply,Installation, testing & commissioning of following light fixtures complete with: a) All fixing accessories, mounting Brackets, anchor fasteners, suspension wires/chains etc. necessary for completeness of installation. b) Drivers / Controllers with housing. c) Lamp of specified wattage. d) Earthing of fittings. e) Diffuser shall lit up uniformly without any black spot on diffuser. f) Light fixture finishes should be as specified. g) Any visible power supply cable to light fixture shall be transperent. h) All suspended fixtures shall be provided with SS caps to put around suspension at flase ceiling level Note: 1) In addition to above mentioned accessories details, vendor to consider specific light fixture requirement mentioned along-with light fixture. 2) Light Fixtures final confirmation to be done by Architect and Lighting Consultant. approved MR								

45 W Led Down Light Fitting Surface Mounted / Suspension Mounted	60	NOS	3655	219300	**3635.25**	**218115.0**	3820	229200
15 W Track Light With Cob Led & Extruded Aluminium Housing	30	NOS	1558	46740	**1550**	**46500.0**	1630	48900
Single Phase 1 Mtr. Track For Track Lights	10	SET	593	5930	**590**	**5900.0**	620	6200
Led Decorative Hanging Light Fittings	60	NOS	26339	1580340	**26200**	**1572000.0**	27510	1650600
RGB FLOOR STRIP LIGHTS OF 300 Mm LENGTH WITH CONTROLLER	50	NOS	1647	82350	**1638**	**81900.0**	1720	86000
5 W Led Study Table Lamp	20	NOS	4609	92180	**4585**	**91700.0**	4820	96400
ITEM NO 337 Supplying and erecting (OTSL 1251)Track LED fitting 10W/15w with high transitivity diffuser :-Milky/clear PMMA lumen/W, CRI>80, CCT upto3000K/4000k/6000k, Hosing: Die cast Aluminium, IP20, Approved MR	20	NOS	955	19100	**950**	**19000.0**	1000	20000
ITEM NO 338 Supplying and erecting (OTSL 1252)Track LED fitting 24W/30w/50w with high transitivity diffuser :-Milky/clear PMMA lumen/W, CRI>80, CCT upto3000K/4000k/6000k, Hosing: Die cast Aluminium, IP20, Approved MR	20	NOS	1206	24120	**1200**	**24000.0**	1260	25200
ITEM NO 339Supplying and erecting (OSDL 1055)SPOT LED fitting: 5W/10w/15w with high transitivity diffuser :- Clearlumen/W, CRI>80, CCT upto 3000K/4000k/6000k, Hosing: Spun Aluminium, IP40, Approved MR	50	NOS	1306	65300	**1299**	**64950.0**	1370	68500
ITEM NO 340 Supplying and erecting (OSDL 1057)SPOT LED fitting 20w/30w with high transitivity diffuser :-Clear lumen/W, CRI>80, CCT upto 3000K/4000k/6000k, Hosing: Spun Aluminium, IP40, Approved MR	20	NOS	1424	28480	**1416**	**28320.0**	1490	29800
ITEM NO 341 Supplying and erecting Magnetic Surface Track Channels (size 32mm x 50mm)with available material in Aluminium,Black color,Magnetic Design Approved MR	10	NOS	8041	80410	**7999**	**79990.0**	8400	84000
ITEM NO 342 Supplying and erecting Uplighter Wall lights (OWL 402) Wall lights led - 18w/ 40w with high transitivity diffuser :-Clear/Frosted Toughened Glass, CCT upto 3000K/4000k/6000k, Hosing: Aluminium, IP65, Durable and Vandal resistant Approved MR	255	NOS	2161	551055	**2150**	**548250.0**	2260	576300
ITEM NO 343 Supplying and erecting (OUL 354)Underwater light fitting 8w/12w/16w with diffuser :- clear/frosted toughened glass , CCT upto3000K/4000k/6000k,	10	NOS	12348	123480	**12283**	**122830.0**	12900	129000

Hosing: gun metal/stainless steel, IP68; durable and vandal resistant Approved MR								
ITEM NO 344 Supplying & erecting ready to use Retrofit T8 LED, 18 / 20 watt tube light with polycarbonate body, heat sink, integrated HF electronic driver complete & compatible to T8 / T12 LED luminaire by disconnecting starter & ballast if necessary as per specification No. FG-LP/RET. CSR 2-8-14	15	NOS	667	10005	**663**	**9945.0**	700	10500
ITEM NO 345 Supplying, installing, testing and commissioning of micro processor based intelligent addressable main fire alarm panel, central processing unit with the 2 loop capacity and capable of supporting not less than 250 devices and detectors per loop, with on-board LCD alphanumeric backlit display suitable for minimum 80 characters, operating at 230 V 50 Hz - AC with inbuilt Battery Backup of a minimum 24 hours in normal condition and 30 minutes in alarm condition, The panel shall have suitable provision for network connectivity & compatible for third party integration(Open Protocol to communicate) via a MODBUS/BACNET interface etc. conforming to IS 15908:2021, IS 2189: 2008, NFPA-72, EN 54 / VdS/FM & UL 864(10th edition) with 3 years replacement warranty and inclusive of lifetime software license validity , as per specification noFF-AFAS/CP. CSR 13-10-2	1	NOS	173007	173007	**172095**	**172095.0**	180700	180700
ITEM NO 346 Supplying, installing, testing and commissioning of Addressable Optical Photo Smoke Detector. The detector shall have multi co-operative sensing technology for faster response & avoid false alarms. The detector shall have single/twin bicolour LED for 360 deg viewing. The detector is conforming to IS 2189: 2008, 11360_1985_Reff2020_EN 54 /VdS / UL & FM approved with 3 years equipment replacement warranty, Designed to meet UL268, 7th Edition. FFAFAS/ SD. CSR 13-10-5	140	NOS	2393	335020	**2380**	**333200.0**	2500	350000
ITEM NO 347Supplying, installing, testing and commissioning of intelligent addressable thermal/heat detector with rate of rise cum fixed temperature thermistor complete with 0°C to 58°C temperature range, with base as required, single/twin LED's with 360 degree view, in-built locking mechanism to check	5	NOS	2728	13640	**2714**	**13570.0**	2850	14250

the removal and pilferage of the detector, Detector Shall conforming to IS : 2175 - 1988 reaffirmed 2000, IS 15908.2021 / EN 54 / VdS / UL & FM approved with 3 years equipment replacement warranty, Designed to meet UL268, 7th Edition, FF-AFAS/HD - ROR.CSR 13-10-6								
ITEM NO.348 Supplying, installing, testing and commissioning of addressable fire control/relay module for AHU, Access Control, Lifts, Staircase Pressurization, Fire Suppression & other Third Party Outputs etc., Module shall conforming to IS 5051 Part 2 (Sec 1 to 3) : 1982 reed relays / EN 54/VdS / UL & FM approved with 3 years equipment replacement warranty, as per specification no FFAFAS/ CRM-FCM CSR 13-10-10	20	NOS	3799	75980	**3779**	**75580.0**	3970	79400
ITEM NO.349 Supplying, installing, testing and commissioning of addressable fire monitor module for flow switches, Panic Bars & other Third Party Inputs. The monitor module shall monitor potential free contacts. The device shall have an LED which shall blink in normal state & get steady on activation to monitor the health status of the device complete as required. Module shall conforming to IS 5051 Part 2 (Sec 1 to 3) : 1982 Reed relays, EN 54/VdS / UL & FM approved with 3 years equipment replacement warranty, as per specification no FF-AFAS/MM CSR 13-10-11	10	NOS	3750	37500	**3730**	**37300.0**	3920	39200
ITEM NO.350 Supplying, installing, testing and commissioning of addressable fire isolator module for isolating short / dewired / loose circuits with automatic resetting arrangement. Isolator Base can also be proposed, however in that case needs to be considered with each detector & module. The device shall have an LED which shall blink in normal state & get steady on activation to monitor the health status of the device. module complete as required. Module shall conforming to IS 5051 Part 2 (Sec 1 to 3) : 1982, , EN 54/VdS / UL & FM approved with 3 years equipment replacement warranty, FF-AFAS/ISM CSR 13-10-12	15	NOS	3071	46065	**3055**	**45825.0**	3210	48150
ITEM NO.351 Supplying, installing, testing and commissioning of addressable manual call points (break glass type/pull station	10	NOS	3598	35980	**3579**	**35790.0**	3760	37600

type), made of addressable break glass plastic square in shape surface/flush mounted with "Break Glass" massage embedded on the glass, complete erected with mounting base and required accessories, Module shall conform to EN 54/VdS / UL & FM approved with 3 years equipment replacement warranty, as per specification no FF-AFAS/MCP. CSR 13-10-13								
ITEM NO.352 Supplying, installing, testing and commissioning of Addressable Sounder cum Strobe rated at minimum 75 dB @ 3m for Audible annunciation and minimum 75cd flashing at 1 Hz for visual indication. Module shall conforming to IS 2189: 2008, IS 15908.2021 / EN 54/VdS / UL & FM approved with 3 years equipment replacement warranty, as per specification no FF-AFAS/ S-ST CSR 13-10-14	10	NOS	7879	78790	**7837**	**78370.0**	8230	82300
ITEM NO.353 Supply, Installation,Testing & Commissioning of Response indicator for all detectors located above false ceiling. Complete as required Approved MR	20	NOS	251	5020	**250**	**5000.0**	270	5400
ITEM NO.354Supplying, installing, testing and commissioning of repeater panel with suitable battery backup of a minimum of 24 hours in normal condition and 30 min in alarm condition, minimum 10" LCD or LED display with resistive touch screen or function keys and automatic back-light dimming and the status of any Fire/Fault of Integrated Fire Alarm Panels or minimum 80 characters backlitalphanumeric LCD display with inbuilt buzzer to indicate fault/fire alarm, manual control keys for silence/mute and to reset the FACP from the repeater station. Panel shall conforming to IS 15908.2021, IS 2189: 2008, NFPA-72, EN 54 / VdS/FM & UL with 3 years replacement warranty FF-AFAS/RP. (Compatible with 1/2 Loop Fire Alarm Control Panel), as per specification no FF-AFAS/RPCSR 13-10-16	1	NOS	74901	74901	**74506**	**74506.0**	78240	78240
ITEM NO.355 Supplying, installing, testing and commissioning FR, XLPE armoured cable 2 core 1.5 sq mm. copper conductor complete erected on wall/ ceiling complete as per specification no. CB-LT/CU CSR 13-9-9	1920	NOS	113	216960	**112**	**215040.0**	120	230400
ITEM NO.356 Supplying Installing, testing and commissioning of PA Gooseneck Microphone with Base and frequency response	1	NOS	4712	4712	**4687**	**4687.0**	4930	4930

50-16000Hz, 150Ω to 200Ω impedence,sensitivity 3 to 5.5mV/PA with minimum length(excluding pedestal) of 585mm(23") long, felxible stem gooseneck condenser microphone & Heavy Duty Metal Base having on/off switch, LED indication and Sâitable for 48V phantom supply as per specification no. PA-GM CSR 19-7-6								
ITEM NO.357 Supplying, erecting, testing and commissioning of 2 core 2.5 sqmm copper conductor shielded microphone cable complete as per specification no. PASMC CSR 19-7-28	30	RM	134	4020	**133**	**3990.0**	140	4200
ITEM NO.358 Supplying & erecting ISI mark Rigid Steel conduit 16 SWG 20 mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification No. WG-MA/CC, para no. 1.2.3 CSR 1-1-1	700	RM	215	150500	**214**	**149800.0**	230	161000
ITEM NO.359 Supplying & erecting 2-Way Compact PA Wall Speaker of 32W High Fidelity sound with rated voltage 100V, power taps of 32W, 16W, 8W, Power Taps can be selected through an easily accessible rotary switch Low impedence 8Ω, frequency response 80-20000Hz. Weather Resistant speaker with movable mounting bracket with required screws, complete as per specification no. PA-CPAWS CSR 19-7-19	10	Each	5363	53630	**5335**	**53350.0**	5610	56100
ITEM NO.360 Supplying, erecting, testing & commissioning Mixer Amplifier 500W RMS Power with Built-in Digital Player with remote and having 7 Mic & 3 Aux Inputs with Box Speaker/Driver Unit selector switch to each zone , stereo/mono switch, frequency response 50-15000Hz, output regulation <2dB, serprate control for USB level. The unit shall have Preamplifier and Line Output for connecting to a Booster Amplifier and for recording the programme with Resettable circuit breaker for protection against overload and short circuit. The unit shall have speaker output range of 2Ω, 4Ω/(Low Impedence) and 70V & 100V/(High Impedence) & It can instant transfer to DC power(36V) if AC power fails. Signal to noise ratio between 60dB to 80dB Complete as per specification no. PA-MA CSR 19-7-12	1	NOS	27818	27818	**27671**	**27671.0**	29060	29060
ITEM NO.361Supplying,installing, testing & commissioning 2-	85	NOS	2346	199410	**2334**	**198390.0**	2460	209100

Way flush mount Ceiling Speakers with input power 20W RMS power, with power taps on 20/10/5W, 100V & 70V line, frequency response 90-18000Hz, stylish metal mesh grill and plastic frame, operates on 100V line for excellent reproduction of both speech and music, wide frequency response and adjustable tweeter complete as per specification no. PA-FMCS (5W tap consideration)CSR 19-7-14								
ITEM NO.362 Supplying, erecting, testing and commissioning of multistrand annealed bare copper conductor, transparent PVC insulated 2C x 1 sqmm speaker wire in provided trunking/conduit etc complete as per specification no. PA-TSPWR CSR 19-7-25	900	RM	41	36900	**41**	**36900.0**	50	45000
ITEM NO.363Supplying & erecting of High definition 2 Megapixel IP IR Bullet Camera with following features :Image Sensor : minimum 1/2.8" Progressive Scan CMOS,Video Resolution : minimum 1920 x 1080Video Compression : H.264, H.265 or higher, at least Three individually configurable stream, Frame rate : minimum 25 fps at all resolutions, WDR : minimum 120 dB Wide Dynamic Range, ONVIF profile conformant, minimum IR distance : 30m,Lens Type : 2.8/4/6 mm Lens, fixed focal,Field of View : 2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65° Lux sensitivity - minimum 0.2 Lux at color, minimum 0.05 Lux at Black & White, 0.0 Lux (IR) Night Vision Distance minimum IR - 30m. Camera minimum Adjustment Angles - Pan : 350°, Tilt : 72°, Rotate : 350°. Power Supply : Support 12VDC & PoE, IP67, IK10 - Vandal Resistant. Built in micro SD/SDHC/SDXC card slot of minimum 128 GB, Built in microphone. minimum Input/Output - Audio in - 1, Audio Out - 1, Alarm in - 1, Alarm Out - 1. Image Settings : Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance. Image Enhancements : Day/Night-Auto (ICR)/Color/Black & White, 3D Digital Noise Reduction, Automatic White Balance, Automatic Gain Control, Backlight Compensation, Highlight Compensation. CSR 19-6-1	12	NOS	7959	95508	**7917**	**95004.0**	8320	99840

Events : Privacy Masking, Motion detection, Scene change detection, Facecapture, Video tampering, audio exception detection, Region entrance detection, Region exiting detection. Operating temperature (-30 to 60° C) .Security - User account and password protection, HTTPS, IP filter, IEEE 802.1X,digest authentication, user access log, TLS1.2, AES - 256, SSH/Telnet closed, FTP disabled. Protocol - DHCP, UDP, HTTP, HTTPS, NTP, DNS, RTP, RTSP, SMTP,SSL/TLS, TCP/IP, Secure Real-Time Transport Protocol (SRTP), Bonjour, SNMP and Secure shell (SSH) supported protocol. RoHS, WEEE, ISO-14001 and REACH compliant, UL/EN OR equivalent BIS/TECH/STQC or any indian standards as applicable, CE, FCC certified. duly erected in position on wall/ceiling/false ceiling/provided pole (mountingheight not more than 5 meter) etc with all accessories etc complete as per specification no. CCTV-CAM								
ITEM NO 364 Supplying & erecting of High definition 2 Megapixel IP IR Dome Camera with following features Image Sensor : minimum 1/2.8" Progressive Scan CMOS, Video Resolution : minimum 1920 x 1080 Video Compression : H.264, H.265 or higher, at least Three individually configurable stream, Frame rate : minimum 25 fps at all resolutions, WDR : minimum 120 dB Wide Dynamic Range, ONVIF profile conformant, minimum IR distance : 30m, Lens Type : 2.8/4/6 mm Lens, fixed focal, Field of View : 2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65°Lux sensitivity - minimum 0.2 Lux at color, minimum 0.05 Lux at Black & White, 0.0 Lux (IR) Night Vision Distance minimum IR - 30m Camera minimum Adjustment Angles - Pan : 350°, Tilt : 72°, Rotate : 350° Power Supply : Support 12VDC & PoE, IP67, IK10 - Vandal Resistant Built in micro SD/SDHC/SDXC card slot of minimum 128 GB, Built in microphone. minimum Input/Output - Audio in - 1, Audio Out - 1, Alarm in - 1, Alarm Out - 1. Image Settings : Rotate mode, saturation, brightness, contrast, sharpness,	60	NOS	7896	473760	**7854**	**471240.0**	8250	495000

gain, white balance. Image Enhancements : Day/Night-Auto (ICR)/Color/Black & White, 3D Digital Noise Reduction, Automatic White Balance, Automatic Gain Control, Backlight Compensation, Highlight Compensation. CSR 19-6-3								
Events : Privacy Masking, Motion detection, Scene change detection, Face capture, Video tampering, audio exception detection, Region entrance detection, Region exiting detection. Operating temperature (-30 to 60° C) Security - User account and password protection, HTTPS, IP filter, IEEE 802.1X, digest authentication, user access log, TLS1.2, AES - 256, SSH/Telnet closed, FTP disabled. Protocol - DHCP, UDP, HTTP, HTTPS, NTP, DNS, RTP, RTSP, SMTP, SSL/TLS, TCP/IP, Secure Real-Time Transport Protocol (SRTP), Bonjour, SNMP and Secure shell (SSH) supported protocol. RoHS, WEEE, ISO-14001 and REACH compliant, UL/EN OR equivalent BIS/TECH/STQC or any indian standards as applicable, CE, FCC certified. duly erected in position on wall/ceiling/false ceiling/provided pole (mounting height not more than 5 meter) etc with all accessories etc complete as per specification no. CCTV-CAM								
ITEM NO.365Supplying, installing, testing & commissioning of 32/40 Ch. Network VideoRecorder (NVR), suitable connect Min. 32 IP Cameras, up to 5 Megapixel Resolution, with HDMI/VGA outputs, provided HDMI output of 4K resolution or VGA output with output up to 1920 × 1080. Support H.265 or higher, H.264, MJPEG, Incoming Bandwidth 250Mbps with minimum 4 SATA Hard Disks, ANR Technology, 4 SATA interfaces for 4 HDDs and capacity of each HDD up to 8TB, minimum 02 USB port, Alarm I/O 16/4, RJ-45 10/100/ 1000 Mbps selfadaptiveEthernet interface, ONVIF conformance,Multiple network monitoring: Web viewer .support protocol TCP/IP, DHCP, DNS, DDNS, NTP, SADP, SMTP, NFS,iSCSI, UPnP™, HTTPS. RoHS, UL, CE, FCC certified duly erected in provided U Rack with wiring connections, tagging andprogramming etc. complete as per specification no. CCTV-NVRCSR 19-6-15	2	NOS	45701	91402	**45460**	**90920.0**	47740	95480

ITEM NO.366 Supplying, installing, testing & commissioning of 64/80 Ch Network Video Recorder (NVR), suitable connect Min 64 IP Cameras, up to 5 Megapixel Resolution, with HDMI 1/VGA 1 and HDMI 2/VGA 2 outputs provided, Atleast one HDMI output of 4K resolution, atleast one VGA output with output up to 1920 × 1080, Support H.265 or higher, H.264, MJPEG, Supports Redundant Dual Power, Incoming Bandwidth 320 Mbps with minimum 8 SATA Hard Disks, ANR Technology, 8 SATA interfaces for 8 HDDs and capacity of each HDD up to 8TB, minimum 02 USB port, Alarm I/O 16/4, RJ-45 10/100/ 1000 Mbps selfadaptive Ethernet interface, support multi brand network Cameras, ONVIF conformance, Multiple network monitoring: Web viewer : support protocol TCP/IP, DHCP, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS RoHS, UL, CE, FCC certified duly erected in provided U Rack with wiring connections, tagging and programming etc. complete as per specificationss no. CCTV-NVR CSR 19-6-17	2	NOS	96165	192330	**95658**	**191316.0**	100500	201000
ITEM NO.367 Supplying, erecting & terminating 10 m HDMI cord low voltage grade minimum 4k compliant to be laid in provided conduits with male/female 19pin HDMI connectors complete. CSR 19-1-23	2	NOS	4666	9332	**4641**	**9282.0**	4880	9760
ITEM NO.368 Supplying & erecting 8 TB internal Surveillance HDD suitable for SATA Port of NVR, interface transfer rate 6 GB/S, maximum sustained transfer rate 210 MB/Sec to 213 MB/S. Drive bay supported 08+, Cameras supported up to 64, Cache (MB) 256, Load/Unload Cycle -3000000, Work Load Rating per Year 180TB, MTBF 1000000 Hrs. HTTPS. RoHS, UL, CE certified, duly erected in position in provided NVR as per specification no. CCTV-HDD CSR 19-6-21	2	NOS	23848	47696	**23722**	**47444.0**	24910	49820
ITEM NO.369 Supplying & erecting 32" professional LED Monitor with 1920*1080 (Full B452HD) Display, suitable for 16 channel NVR and following features Brightness: minimum 250 Cd/m2 Contrast Ratio: minimum 1000:1 Viewing angle: 178/178 deg.	3	NOS	24197	72591	**24069**	**72207.0**	25280	75840

Response time: maximum 8 ms Inputs: HDMI, VGA, BNC, USB, Audio In, Built-in speakers maximum 2 W, Suitable to operate on 100-240 V 50 Hz AC supply and 24/7 Duty Cycle duly erected on wall or table top with standard accessories like wall mount stand and wiring connections etc. complete as per specifications no. CCTV-MON CSR 19-6-23								
ITEM NO 370 Supplying and fixing Cat 6, 24 port patch panel with keystone jacks compliant with ANSI/TIA/EIA 568.C.2 & ISO/IEC 11810 complete as per specification no. WG-NAS/PP CSR 19-5-4	3	NOS	11075	33225	**11017**	**33051.0**	11570	34710
ITEM NO 371Supplying and fixing 12 ports light guide unloaded interconnect unit, rack mounted type, with adapter panel for termination of optical fiber cables in provided U rack complete as per specification no. WG-NAS/ LIUCSR 19-5-6	3	NOS	5293	15879	**5265**	**15795.0**	5530	16590
ITEM NO 372 Supplying and fixing power distribution unit for networking rack comprises of 6/16A (6 Nos. sockets), 16A modular MCB, appropriate rating, enclosed in black powder coated metal with necessary arrangement for fixing complete. CSR 19-5-17	6	NOS	5298	31788	**5270**	**31620.0**	5540	33240
ITEM NO 373 Supplying and fixing 9U wall mount rack (Dimension-DxWxH – 500x550x480 mm) as per specification no. WG-NAS/RAK CSR 19-5-19	3	NOS	9666	28998	**9615**	**28845.0**	10100	30300
ITEM NO 374 Supplying and fixing 15U wall mount rack (Dimension-DxWxH – 500x550x747 mm) as per specification no. WG-NAS/RAK CSR 19-5-21	6	NOS	12921	77526	**12853**	**77118.0**	13500	81000
ITEM NO 375 Supplying and installing FR PVC sheathed HDPE insulated copper cat-6 cable suitable for networking compliant with ANSI/TIA-568.2-D standards in provided conduit/casing-n-capping as per specification no. WG-ELVC/NC CSR 19-3-1	3120	RM	57	177840	**57**	**177840.0**	60	187200
ITEM NO 376 Supplying and fixing 1 m 24 AWG multi stranded UTP patch cord with RJ-45 factory crimped connector of Cat 6 type, compliant ANSI/TIA-568.2-D standards in position as per specification no. WG-ELVC/PC CSR 19-3-16	20	NOS	244	4880	**243**	**4860.0**	260	5200
ITEM NO 377 Supplying and erecting 12 fibers LSZH armoured multimode optical fiber cable	100	RM	304	30400	**302**	**30200.0**	320	32000

with , core dia 50/125 µm (OM3), suitable upto 10 GBPS, compliant to IEC 60793/IEC 60794 standards, on wall/ceiling or laid in provided pipe/trench as per specification no. WG-ELVC/OFC CSR 19-3-11								
ITEM NO 378 Supplying and fixing SC/SC type multimode pigtails (OM3) for LIU to terminate OFC in LIU as per specification no. WG-NAS/LIU2 CSR 19-5-13	6	NOS	819	4914	**815**	**4890.0**	860	5160
ITEM NO 379 Supplying, fixing, and configuring 24-port 10/100M un-managed 10/100/1000 base-T gigabit switch compliant with IEEE 802.3 standards as per specification complete CSR 19-4-16	2	NOS	10568	21136	**10512**	**21024.0**	11040	22080
ITEM NO 380 Supplying, fixing, and configuring 48 ports PoE managed gigabit switch 10/100/1000 Mbps + 4SFP+ ports & 2X10G RJ-45 ports compliant with IEEE 802.3 af/at standards, PoE budget 370W & supports OSPF/policy based routing/stacking erected in provided rack complete. CSR 19-4-18	2	NOS	73850	147700	**73461**	**146922.0**	77140	154280
ITEM NO 381 Supplying and fixing of self expanding, ready to use polyurethane(PU) foam sealant of minimum 750ml bottle, suitable to seal the openings of all kinds of cables, pipes and cable support system in steel, aluminium and plastic profiles (except hollow core conductors). Sealant shall have minimum 2 hour fire rating , conforming to EN 1366-4:2021 as per specification no FF-FRS CSR 13-12-1	10	Each	1503	15030	**1495**	**14950.0**	1570	15700
ITEM NO 382Supplying, erecting & commissioning 2 pole RCCB 16/25A, electromagnetic type with 30/100/300 mA sensitivity with earth leakage trip indication complete as per specification no. SW-RCCB/CSR 5-6-1	24	Each	2147	51528	**2136**	**51264.0**	2250	54000
ITEM NO 383 Supplying, erecting & commissioning 2 pole RCCB 40A, electromagnetic type with 30/100/300 mA sensitivity w CSR 5-6-2	10	Each	2339	23390	**2327**	**23270.0**	2450	24500
ITEM NO 384 Supplying, erecting & commissioning 2 pole RCCB 40A, electromagnetic type with 30/100/300 mA sensitivity w CSR 5-6-3	12	Each	2830	33960	**2815**	**33780.0**	2960	35520
ITEM NO 385 Supplying, erecting, testing and commissioning of 10HP, VRF/VRV air conditioning system outdoor unit (ODU)	2	NOS	304894	609788	**303287**	**606574.0**	318500	637000

complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000m operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete. CSR 3-11-3								
ITEM NO 386 Supplying, erecting, testing and commissioning of 14HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000 metre operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete. CSR 3-11-5	2	NOS	420150	840300	**417935**	**835870.0**	438900	877800

ITEM NO 387 Supplying, erecting, testing and commissioning of 22HP, VRF/VRV air conditioning system out door unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000 metre operation in cooling mode with inverter/ digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete. CSR 3-11-9	8	NOS	526272	4210176	**523497**	**4187976.0**	550000	4400000
ITEM NO 388AIR HANDLING UNITS / TREATED FRESH AIR HANDLING UNITS Supply ,Installation ,Testing and commissioning of Double Skin (Panel Thickness of 40mm+/- 2mm) with thermal break profile AHU complete with casing of hot dip G.I Casing of thickness of 0.6 mm pre - coated and pre -plastnised G.I for outer skin and 0.6 mm plain & G.I for Inner Skin encasing with 40mm polyurethane foam insulation having a density of 40 Kg. / CuM factory injected between them by injection moulding machine with thermal break profile recirculating Air Handling Unit. AHU should be Floor Mounted / Ceiling suspended type with 1 /2 backward curved DIDW /plug fans ,with single stage filtration banks of MERV 8, 6/8 row deep DX coil, SS 304 insulated drain pan.The unit includes suitable (EFF-1) TEFC motor with IP52 protection, suitable for 415 +/- 10 % volt , 50 ±5% cycle , combined power supply variation of ±10%, 3 Phase AC supply , vibration isolators,Rubber pads(min 1 inch thick), canvas connection	4	NOS	339289	1357156	**337500**	**1350000.0**	354400	1417600

,bulk head light,door limit switches, as per specification/datasheet. AHUs shall be fitted with GI VCD's (Volume Control Damper) for supply/return/fresh air / purge air opening of AHU body with canvass connection. All supporting GI hangers, MS angles, channels nut , bolts, washers etc. necessary for unit installation,starter panel as mentioned below shall be inclusive in the cost. Vendor to consider the suitable size of FRLS power cable from panel to unit in scope of supply. All AHUs shall be suitable for Static Pressure as mentioned below. ESP mentioned in BOQ is indicative. However contractor to calculate ESP before bidding and quote accordingly. All AHU Shall equipped with AHU Expansion valve kits suitable to function with VRF system.								
The Starter panel shall be DOL/Star delta as per the motor Kw which shall include (a) Suitable rating incoming MCCB/MCB, (b) Suitable rating AC-3 duty contactor(s), (c) overload relay with built-in single phasing preventer, (d) star delta timer (For S/D starters), (e)digital voltmeter, ammeter, selector switches, CTs & control MCBs, (f) Phase indicating lights & control MCBs, (g) Push buttons for manual start/stop of motor, ON status indicating light for starter with control MCB, (h) Minimum 2 pole auto/manual selector switch 2 NO + 2 NC potential free aux. contacts for use by Building automation system (i) Time delay relay for delayed restart of motor (j) 200-220/24V control power transformer (k) Interlocking terminals & control wiring for fire damper, motorized dampers etc. as per control scheme from panel to damper etc. Including suitable Power cabling & double run earthing from starter panel to equipments up to 15 mtrs length. All should be as mentioned in tender specifications. Cost of starter panel along with power control cabling, earthing ,cable tray etc. upto 15 meter length as mentioned below shall be inclusive in the AHU cost (expansion kit for AHU)								
Main Arena AHU -20 TR / 6500 CFM / ESP 40MM Approved MR								
ITEM NO 389 Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way cassette room/indoor unit (IDU-compact / standard size) of nominal cooling capacity	27	NOS	39660	1070820	**39451**	**1065177.0**	41430	1118610

3.0TR (1100 cfm) to 3.2TR (1165 cfm) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades from sides. IDU with drainage arrangements, fan, refrigerant liquid and refrigerant piping, cordless remote control, and fresh air port etc. IDU shall have anticorrosive coating suitable for costal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation. CSR 3-11-22								
ITEM NO 390Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way cassette room/indoor unit (IDU-compact / standard size) of nominal cooling capacity 2.6TR (918 cfm) to 2.8TR (1100 cfm) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades from sides. IDU with drainage arrangements, fan, refrigerant liquid and refrigerant piping, cordless remote control, and fresh air port etc. IDU shall have anticorrosive coating suitable for costal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation.CSR 3-11-21	4	NOS	39053	156212	**38847**	**155388.0**	40790	163160
ITEM NO 391 Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way cassette room/indoor unit (IDU-compact/standard size) of nominal cooling capacity 1.5TR (512 cfm) to 1.8TR (618 cfm) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades from sides. IDU with drainage arrangements, fan, refrigerant liquid and refrigerant piping, cordless remote control, and fresh air port etc. IDU shall have anticorrosive coating suitable for costal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation. CSR 3-11-19	3	NOS	37839	113517	**37640**	**112920.0**	39530	118590
ITEM NO 392 Supply, installation, testing and commissioning of	9	NOS	23377	210393	**23254**	**209286.0**	24420	219780

VRF/VRV based Hi-wall type indoor unit (IDU) of nominal cooling capacity 1.3TR (421 cfm) to 1.7TR (586 cfm) having EER as per BEE standards and specifications with multiple speed evaporator fan with motor, copper tube aluminium fin evaporator coil, washable air filter, insulated drain tray, expansion device, cordless remote control with necessary controls, with 3-core copper flexible cord of required length and electrical terminal to receive power supply, etc. IDU shall have anticorrosive coating suitable for coastal area. Unit shall be suitable for indoor wall mounting, having an electronic control console, provided with suitable mounting brackets with any additional refrigerant and oil charge as per the requirement during installation, connected to the system complete. CSR 3-11-15								
ITEM NO 393 Supply, installation, testing and commissioning of VRF/VRV based Hi-wall type room/indoor unit (IDU) of nominal cooling capacity 1.0TR (358 cfm) to 1.25TR (417 cfm) having EER as per BEE standards and specifications with multiple speed evaporator fan with motor, copper tube aluminium fin evaporator coil, washable air filter, insulated drain tray, in built drain pump, expansion device, cordless remote control with necessary controls and electrical terminal to receive power supply, etc. IDU shall have anti-corrosive coating suitable for costal area. Unit shall be of decorative slim dimension suitable indoor wall mounting. The indoor unit shall also have an electronic control console. The unit shall be suitable for wall mounting and provided with suitable mounting brackets with any additional refrigerant and oil charge as per requirement during installation complete. CSR 3-11-14	7	NOS	21557	150899	**21443**	**150101.0**	22520	157640
ITEM NO 394 Supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 41.3mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of	320	RMT.	2676	856320	**2662**	**851840.0**	2800	896000

multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-89								
ITEM NO 395Supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 34.9mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete CSR 3-11-90	350	RMT.	2500	875000	**2487**	**870450.0**	2620	917000
ITEM NO 396 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 28.6mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-91	350	RMT.	2448	856800	**2435**	**852250.0**	2560	896000
ITEM NO 397 supplying, laying/fixing, testing and commissaoning of appropriate nominal refrigerant copper pipe of 22.2mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF	250	RMT.	1643	410750	**1634**	**408500.0**	1720	430000

piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiation with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-92								
ITEM NO 398 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 19.1mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19 mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-93	225	RMT.	1279	287775	**1272**	**286200.0**	1340	301500
ITEM NO 399 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 15.9 mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protecton against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete CSR 3-11-94	225	RMT.	1125	253125	**1119**	**251775.0**	1180	265500
ITEM NO 400 Supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 12.7mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of	255	RMT.	835	212925	**831**	**211905.0**	880	224400

multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete CSR 3-11-95								
ITEM NO 401 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 9.5 mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-96	260	RMT.	704	183040	**700**	**182000.0**	740	192400
ITEM NO 402 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 6.4 mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-97	260	RMT.	547	142220	**544**	**141440.0**	580	150800
ITEM NO 403 Supplying and installation of high pressure grade required size copper connection Y or T-Joints/refnut complete erected on wall/ceiling with supports/raceways, Nitrile rubber insulation, painting etc. with brazing and testing for leakages confirming the normal operation of the VRV/VRF air conditioning system. CSR 3-11-86	72	NOS.	6177	444744	**6144**	**442368.0**	6460	465120
ITEM NO 404 Providing and fixing on walls/ ceiling/ floor 50mm dia CPVC pipe with necessary fittings,	100	RMT.	782	78200	**778.05**	**77805.0**	820	82000

remaking good the demolished portion etc. complete SSR 42.60								
ITEM NO 405 Providing and fixing on walls /ceiling/ floor 40mm dia CPVC pipe with necessary fittings,remaking good the demolished portion etc. complete. Pipeline if necessar yand conveying and stacking the same in PWD chowky or as directed etc. complete SSR 42.59	140	RMT.	569	79660	**565.95**	**79233.0**	600	84000
ITEM NO 406 Providing and fixing on walls/ ceiling/ floor 32mm dia CPVC pipe with necessary fittings,remaking good the demolished portion etc. complete. Including removing existing pipeline if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete SSR 42.58	160	RMT.	455	72800	**452.55**	**72408.0**	480	76800
ITEM NO 407 Providing and fixing on walls/ ceiling/ floor 25mm dia CPVC pip ewith necessary fittings,remaking good the demolished portion etc. complete Including removing existing pipeline if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete SSR 42.57	250	RMT.	396	99000	**393.75**	**98437.5**	420	105000
ITEM NO 408 Supplying, erecting, testing & commissioning GI sheet 0.6 mm (24 SWG) having zinc coating of 275 microns with galvanization process compliance to IS 2629 1985 to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, riveting etc. and painting with one coat of red lead paint and 2 coats of enamel paint as per specification no. CP/SH/CR (For AC duct)CSR 6-1-2	800	Sq.m	1490	1192000	**1482**	**1185600.0**	1560	1248000
ITEM NO 409 Supplying, erecting, testing & commissioning GI sheet 0.8 mm (22 SWG) having zinc coating of 275 microns with galvanization process compliance to IS 2629.1985 to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, riveting etc. and painting with one coat of red lead paint and 2 coats of enamel paint as per specification no. CP/SH/CR (For AC duct) CSR 6-1-3	115	Sq.m	1511	173765	**1503**	**172845.0**	1580	181700
ITEM NO 410 Supply, fabrication, installation an testing of flexible canvass connections constructed	22	NOS	2968	65296	**2952**	**64944.0**	3100	68200

between ductable unit/dampers/ducting of suitable size with fire resist flexible double canvas sleeve complete. CSR 3-11-82								
ITEM NO 411 Duct Thermal & Underdeck Insulation: Providing adhesive thermal insulation for supply return air duct with 19mm nitrile rubber insulation having R-value as per the prevailing provisions in ECBC 2007. CSR 3-11-83	1600	Sq.m	1054	1686400	**1048**	**1676800.0**	1110	1776000
ITEM NO 412 Providing and applying of acoustic insulation for air ducts with 25mm thick, 48kg/cu.m fiber glass faced with RP tissue and covered with 26SWG perforated aluminium sheets complete CSR 3-11-84	50	Sq.m	1197	59850	**1191**	**59550.0**	1260	63000
ITEM NO 413 Supplying and erecting aluminium powder coated linear grill of suitable size for width length without collar dampers having matching colour with the existing false ceiling and suitable for deflection of 15/30/45° CSR 3-11-88	150	JOB	1371	205650	**1364**	**204600.0**	1440	216000
ITEM NO 414 Supply, installation, testing and commissioning of volume control box with collar for control damper of required sizes in GI construction with operating mechanism, mounting arrangement, rubber refrigerant kits etc. complete. CSR 3-11-81	10	NOS.	6298	62980	**6265**	**62650.0**	6580	65800
ITEM NO 415 Supply, installation, testing and commissioning of manually operated, opposed blade, duct mounted, flanged volume control dampers of required sizes in GI construction with operating mechanism, mounting arrangement, rubber refrigerant kits etc. complete. CSR 3-11-80	6	Sq.m	6585	39510	**6550**	**39300.0**	6880	41280
ITEM NO 416 Supply, installation, testing and commissioning of Extruded Aluminium Construction powder coated Jet nozzle (201-400 cfm) Approved MR	1	nos	4775	4775	**4750**	**4750.0**	4990	4990
ITEM NO 417 Supply, installation, testing and commissioning of Extruded Aluminium Construction powder coated Jet nozzle (401-600 cfm) Approved MR	50	nos	5529	276450	**5500**	**275000.0**	5780	289000
ITEM NO 418 Supply, installation, testing and commissioning of Extruded Aluminium Construction powder coated Jet nozzle (601-800 cfm) Approved MR	1	nos	6534	6534	**6500**	**6500.0**	6830	6830

ITEM NO 419 Supplying and erecting iron work, sheet metal work consisting of MS sheets,various sections of iron, plates, chequered plates, rods, bars, MS pipes, etc for panel board or any other purpose with bending, cutting, drilling and welding complete erected at the position with necessary materials duly painted with one coat of red oxide and two coats of enamel paint to match the switchgears or as per directions by the site engineer.(FOR OUT DOOR UNIT) CSR 6-1-19	600	KG.	197	118200	**196**	**117600.0**	210	126000
ITEM NO 420 Supplying, erecting, testing and commissioning centralised programmable remote control panel (HMI) touch manager controls minimum 16 system of 64 ODU's can be controlled and up to 992 IDU's can be individually mounted and controlled indoor units having colour min 200mm size LCD touch panel, yearly schedule, power proportional distribution function, temperature limitation, history function complete erected on wall integrated with provided fire alarm system. CSR 3-11-79	3	NOS.	48801	146403	**48544**	**145632.0**	50980	152940
ITEM NO 421 Inline fans: Supplying, erecting, testing & commissioning fresh air intake system, ductable circular inline fresh air fan inlet unit having 300cfm capacity with maintaining the static pressure minimum 20mm suitable to operate on 1 phase, 230V, 50Hz, A.C. supply complete. CSR 3-11-60	22	NOS.	5296	116512	**5268**	**115896.0**	5540	121880
ITEM NO 422 Inline fans: Supplying, erecting, testing & commissioning fresh air intake system, ductable circular inline fresh air fan inlet unit having 1000cfm capacity with maintaining the static pressure minimum 20mm suitable to operate on 1ph, 230 V, 50Hz, A.C. supply complete. CSR 3-11-61	2	NOS.	15968	31936	**15884**	**31768.0**	16680	33360
ITEM NO 423 Propeller Fan: Supplying and erecting exhaust fan heavy duty 230 V A.C. 50 cycles 450 mm. 900 RPM complete erected in position as per specification no. FG-FN/EXF CSR 2-9-17	7	NOS.	5380	37660	**5352**	**37464.0**	5620	39340
ITEM NO 424 Propeller Fan: Supplying and erecting exhaust fan heavy duty 230 V A.C. 50 cycles 375/380 mm. 900 RPM complete erected in position as per specification no. FG-FN/EXF CSR 2-9-14	2	NOS.	3460	6920	**3442**	**6884.0**	3620	7240

ITEM NO 425 Supplying and erecting PVC insulated PVC round sheathed FR 1 sq mm (32 no. x 0.20mm dia.) 3 core flexible multi stranded copper industrial cable for voltage grade up to 1.1 Kv (Control cable) CSR 1-3-13	300	RMT.	50	15000	**50**	**15000.0**	60	18000
ITEM NO 426 Supplying ande recting HMS PVC conduit 20mmdia with PVC accessories on wall/ceiling as per specification no. WG-MA/CON. CSR 1-2-3	300	RMT.	84	25200	**84**	**25200.0**	90	27000
ITEM NO 427 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 6 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-32	350	RMT.	400	140000	**398**	**139300.0**	420	147000
ITEM NO 428 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 10 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CUCSR 7-2-33	200	RMT.	608	121600	**605**	**121000.0**	640	128000
ITEM NO 429 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 4 core 16 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-34	60	RMT.	872	52320	**867**	**52020.0**	920	55200
ITEM NO 430 Providing & erecting hot dipped galvanised perforated type cable tray manufactured from16SWG GI sheet of 300mm width & 75mm height complete with necessary coupler plates & hardware CSR 7-11-8	80	RMT.	850	68000	**846**	**67680.0**	890	71200
ITEM NO 431 Providing & erecting hot dipped galvanised perforated type cable tray manufactured from16SWG GI sheet of 150mm width & 75mm height complete with necessary coupler plates & hardware CSR 7-11-6	250	RMT.	593	148250	**590**	**147500.0**	620	155000
ITEM NO 432 Supplying & erecting mains with 2x1.5 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/bus bars or any other places as per specification no. WG-MA/BW (earth wire for	80	RMT.	46	3680	**46**	**3680.0**	50	4000

earthing of trays) CSR 1-3-1								
ITEM NO 433 Supplying, erecting, testing and commissioning of 18HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56°C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000 metre operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete. CSR 3-11-7	1	NOS	475710	475710	**473202**	**473202.0**	496900	496900
ITEM NO 434 Supplying, erecting, testing and commissioning of 20HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100%capacity at 47° C, non stop cooling even at 56°C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longerpiping range upto 1000 metre operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooledcondenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions),	5	NOS	504872	2524360	**502210**	**2511050.0**	528000	2640000

internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weatherproof cabinet complete CSR 3-11-8								
ITEM NO 435 Supply, installation, testing and commissioning of VRF/VRV based Hi-wall type indoor unit (IDU) of nominal cooling capacity 1.8TR (594 cfm) to 2.2TR (655 cfm) having EER as per BEE standards and specifications with multiple speed evaporator fan with motor, copper tube aluminium fin evaporator coil, washable air filter, insulated drain tray, expansion device, cordless remote control with necessary controls, with 3-core copper flexible cord of required length and electrical terminal to receive power supply, etc. IDU shall have anticorrosive coating suitable for coastal area. Unit shall be suitable for indoor wall mounting, having an electronic control console, provided with suitable mounting brackets with any additional refrigerant and oil charge as per the requirement during installation, connected to the system complete CSR 3-11-16	2	NOS	31389	62778	**31224**	**62448.0**	32790	65580
ITEM NO 436 Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way cassette room/indoor unit (IDU-compact/standard size) of nominal cooling capacity 1.0TR (441 cfm) to 1.3TR (512 cfm) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades from sides. IDU with drainage arrangements, fan, refrigerant liquid and refrigerant piping, cordless remote control, and fresh air port etc. IDU shall have anti corrosive coating suitable for coastal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation. CSR 3-11-18	1	NOS	35412	35412	**35225**	**35225.0**	36990	36990
ITEM NO 437 Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way cassette room/indoor unit (IDU-compact/standard size) of nominal cooling capacity 1.5TR (512 cfm) to 1.8TR (618 cfm) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades	3	NOS	37839	113517	**37640**	**112920.0**	39530	118590

from sides. IDU with drainage arrangements, fan, refrigerant liquid and refrigerant piping, cordless remote control, and fresh air port etc. IDU shall have anti corrosive coating suitable for coastal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation. CSR 3-11-19								
ITEM NO 438 Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way cassette room/indoor unit (IDU-compact/standard size) of nominal cooling capacity 2.0TR (618 cfm) to 2.3TR (671 cfm) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades from sides. IDU with drainage arrangements, fan, refrigerant liquid and refrigerant piping, cordless remote control, and fresh air port etc. IDU shall have anti corrosive coating suitable for coastal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation CSR 3-11-20	4	NOS	38203	152812	**38002**	**152008.0**	39910	159640
ITEM NO 439 Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way cassette room/indoor unit (IDU-compact / standard size) of nominal cooling capacity 2.6TR (918 cfm) to 2.8TR (1100 cfm) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades from sides. IDU with drainage arrangements, fan, refrigerant liquid and refrigerant piping, cordless remote control, and fresh air port etc. IDU shall have anti corrosive coating suitable for coastal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation CSR 3-11-21	5	NOS	39053	195265	**38847**	**194235.0**	40790	203950
ITEM NO 440 Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way cassette room/indoor unit (IDU-compact / standard size) of nominal cooling capacity	1	NOS	39660	39660	**39451**	**39451.0**	41430	41430

3.0TR (1100 cfm) to 3.2TR (1165 cfm) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades from sides. IDU with drainage arrangements, fan, refrigerant liquid and refrigerant piping, cordless remote control, and fresh air port etc. IDU shall have anti corrosive coating suitable for coastal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation. CSR 3-11-22								
ITEM NO 441 Supplying and installation of high pressure grade required size copper connection Y or T-Joints/refnet complete erected on wall/ceiling with supports/raceways, Nitrile rubber insulation, painting etc. with brazing and testing for leakages confirming the normal operation of the VRV/VRF air conditioning system. CSR 3-11-86	31	NOS	6177	191487	**6144**	**190464.0**	6460	200260
ITEM NO 442 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 6.4mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultraviolet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-97	26	MTR	547	14222	**544**	**14144.0**	580	15080
ITEM NO 443 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 9.5 mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers withinsulation of 19mm thick	152	MTR	704	107008	**700**	**106400.0**	740	112480

elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultraviolet radiations withOEM standards of VRV/VRF air conditioning system complete CSR 3-11-96								
ITEM NO 444 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 12.7mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultraviolet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-95	34	MTR	835	28390	**831**	**28254.0**	880	29920
ITEM NO 445 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 15.9 mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultraviolet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-94	125	MTR	1125	140625	**1119**	**139875.0**	1180	147500
ITEM NO 446 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 19.1mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees,	122	MTR	1279	156038	**1272**	**155184.0**	1340	163480

valves, gauges, strainers with insulation of 19 mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages,fungal growth, flame spread, water permeance and ultraviolet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-93								
ITEM NO 447 supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 22.2mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultraviolet radiation with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-92	77	MTR	1643	126511	**1634**	**125818.0**	1720	132440
ITEM NO 448 supplying, laying/fixing, testing and commissioning of appropriate nominalrefrigerant copper pipe of 28.6mm dia (OD) for liquid line/suction line supplyand return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps,vibration isolators and fittings such as bends, tees, valves, gauges, strainers withinsulation of 19mm thick elastomeric nitrile rubber along with application ofmulticoating of VRV/VRF piping for protection against mechanical damages,fungal growth, flame spread, water permeance and ultra violet radiations withOEM standards of VRV/VRF air conditioning system complete CSR 3-11-91	85	MTR	2448	208080	**2435**	**206975.0**	2560	217600
ITEM NO 449 Supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 34.9mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports,	35	MTR	2500	87500	**2487**	**87045.0**	2620	91700

hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-90								
ITEM NO 450 Supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 41.3mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete. CSR 3-11-89	72	MTR	2676	192672	**2662**	**191664.0**	2800	201600
ITEM NO 451 Supply,erecting and terminating FRLS XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 3core 2.5 sqmm copper conductor complete erected with the glands and lugs, on wall/trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-14	130	MTR	176	22880	**175**	**22750.0**	190	24700
ITEM NO 452 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 4 core 35 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-36	45	MTR	1899	85455	**1889**	**85005.0**	1990	89550
ITEM NO 453Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 2 core 2.5 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole	320	MTR	147	47040	**146**	**46720.0**	160	51200

or laid in provided trench/ pipe as per specification no. CB-LT/CUCSR 7-2-8								
ITEM NO 454 Supplying and erecting 25mm dia. corrugated flexible polypropylene conduit CSR 1-2-2	180	MTR	19	3420	**19**	**3420.0**	20	3600
ITEM NO 455 Supplying and erecting exhaust fan heavy duty 230 V A.C. 50 cycles 450 mm 900 RPM complete erected in position as per specification no. FG-FN/EXF CSR 2-9-16	2	NOS	4958	9916	**4932**	**9864.0**	5180	10360
ITEM NO 456 Supplying and installing of collar damper of galvanised iron material of upto 120 microns for anti corrosive resistance for supply air grill of suitable size. CSR 3-11-87	7	SQM TR	6985	48895	**6948**	**48636.0**	7300	51100
ITEM NO 457 Supplying and erecting aluminium powder coated linear grill of suitable size for width length without collar dampers having matching colour with the existing false ceiling and suitable for deflection of 15/30/45°. CSR 3-11-88	7	JOB	1371	9597	**1364**	**9548.0**	1440	10080
ITEM NO 458 Providing vaccumising the airconditioner system to 200 micron and charging with refrigerant R32 for AC unit CSR 3-10-24	40	KG	1188	47520	**1182**	**47280.0**	1250	50000
ITEM NO 459 Providing & erecting hot dipped galvanised ladder type cable tray manufactured from 16 SWG (1.6 mm thick) GI sheet of 150 mm width & 75 mm height complete with necessary coupler plates & hardware CSR 7-11-6	200	MTR	593	118600	**590**	**118000.0**	620	124000
ITEM NO 460 Supplying, erecting, testing and commissioning of 14HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000 metre operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver,	1	NOS	420150	420150	**417935**	**417935.0**	438900	438900

copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete CSR 3-11-5								
ITEM NO 461 Supplying, erecting, testing and commissioning of 22HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required/suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000 metre operation in cooling mode with inverter/ digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete CSR 3-11-9	1	NOS	526272	526272	**523497**	**523497.0**	550000	550000
ITEM NO 462 Supply, installation, testing and commissioning of VRV / VRF based ductable type, high static room/indoor unit (IDU) having nominal cooling capacity of 5.1TR (2040 cfm) to 6.0TR 2400 cfm) having EER as per BEE standards and specifications with evaporator fan with motor, copper tube aluminium fin evaporator coil, washable air filter, insulated drain tray, in built drain pump, expansion device, cordless remote control with necessary controls and electrical terminal to receive power supply, etc. having anti-corrosive coating suitable for coastal area and decorative slim dimension suitable for ceiling suspended arrangement	1	NOS	59110	59110	**58798**	**58798.0**	61740	61740

with an electronic control console and any additional refrigerant and oil charge as per requirement during installation complete. CSR 3-11-55								
ITEM NO 463 Supply, installation, test ing and commissioning of VRV / VRF based ductable type, high static room/indoor unit (IDU) having nominal cooling capacity of 8.0TR (3200 cfm) having EER as per BEE standards and specifications with evaporator fan with motor, copper tube aluminium fin evaporator coil, washable air filter, insulated drain tray, in built drain pump, expansion device,cordless remote control with necessary controls and electrical terminal to receive power supply, etc. having anti-corrosive coating suitable for coastal area and decorative slim dimension suitable for ceiling suspended arrangement with an electronic control console and any additional refrigerant and oil charge as per requirement during installation complete. CSR 3-11-56	11	NOS	64934	714274	**64592**	**710512.0**	67830	746130
ITEM NO 464 Supplying and erecting circular flexible/rigid PVC pipe duct of size 150mm dia, 4mm thickness with required couplers, reducers, T-joints, Y-joints elbows and necessary supports etc. with sealing with provided control/air flow regulating valves/dampers, filters at positon complete. CSR 3-11-66	30	MTR	3567	107010	**3548**	**106440.0**	3730	111900
ITEM NO 465 Supplying and erecting circular flexible/rigid PVC pipe duct of size 200mm dia, 4mm thickness with required couplers, reducers, T-joints, Y-joints elbows and necessary supports etc. with sealing with provided control/air flow regulating valves/dampers, filters at position complete. CSR 3-11-67	25	MTR	3956	98900	**3935**	**98375.0**	4140	103500
ITEM NO 466 Supplying, erecting, testing & commisioning GI sheet 1 mm (20 SWG) having zinc coating of 275 microns with galvanization process compliance to IS 2629 1985 to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, riveting etc. and painting with one coat of red lead paint and 2 coats of e namel paint as per specification no CSR 6-1-4	15	SMT	2090	31350	**2079**	**31185.0**	2190	32850
ITEM NO 467 Supplying, installing, testing & commissioning cassette type variable speed inverter	2	NOS	92502	185004	**92014**	**184028.0**	96620	193240

technology with minimum 3 to 1 convertible mode for compressor room Air conditioning unit 1.8TR to 2.1TR capacity having ISEER minimum5.00 suitable to operate on 250V, 50 Hz, A.C. supply having 1 no of air handling unit hi-wall/floor mounting type complete with refrigerant R32/R410A having copper condensor,dust filter, self diagnosis feature, stabilizer free operation, noiselevel maximum 50dBA at position as per specification no. AP-AC/ WACCSR 3-2-18								
ITEM NO.468 Supplying and erecting G.I. pipe 'C' class ERW 200 mm dia with necessary fittings duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003) complete as per specification no. FF-PP				0				0
200mm dia CSR 13-6-10	80	NOS.	3650	292000	**3631**	**290480.0**	3820	305600
150mm dia CSR 13-6-9	150	NOS.	2476	371400	**2463**	**369450.0**	2590	388500
100mm dia CSR 13-6-8	333	NOS.	1649	549117	**1640**	**546120.0**	1730	576090
80mm dia CSR 13-6-7	100	NOS.	1170	117000	**1164**	**116400.0**	1230	123000
65mm dia CSR 13-6-6	100	NOS.	921	92100	**916**	**91600.0**	970	97000
50mm dia CSR 13-6-5	125	NOS.	723	90375	**719**	**89875.0**	760	95000
40mm dia CSR 13-6-4	60	NOS.	476	28560	**473**	**28380.0**	500	30000
32mm dia CSR 13-6-3	30	NOS.	428	12840	**426**	**12780.0**	450	13500
25mm dia CSR 13-6-2	300	NOS.	365	109500	**363**	**108900.0**	390	117000
ITEM NO.469 Supplying and erecting stainless steel single outlet hydrant valve fitted with necessary accessories complete as per specification no. FF-VL/HV CSR 13-7-36	6	NOS.	6122	36732	**6090**	**36540.0**	6400	38400
ITEM NO.470 Supplying and installing wall mounting swinging hose reel drum fitted with 19 mm dia 30m long high pressure polypropylene (Polyhose) alongwith necessary accessories complete as per specification no. FF-FFA/HV CSR 13-8-2	6	NOS.	7060	42360	**7023**	**42138.0**	7380	44280
ITEM NO.471 Supplying and erecting 63mmdia, reinforced rubber lined (R.R.L.) hose pipe, 15m in length, fitted with necessary accessories complete as per specification no. FF-FFA/RRL CSR 13-8-4	12	NOS.	5520	66240	**5491**	**65892.0**	5770	69240
ITEM NO.472 Supplying and erecting gunmetal branch pipe of 63 mm dia fitted with 20 mm dia detachable hexagonal nozzle complete as per	6	NOS.	2034	12204	**2023**	**12138.0**	2130	12780

specificationno.FF FFA/NZ CSR 13-8-7								
ITEM NO.473 Supplying and erecting brass orifice plate having 6 mm. thickness, 160 mm outer dia with required diameter of inner hole at every double outlet hydrant valve as per specification no. FF-FFA/OP CSR 13-8-17	2	NOS.	1081	2162	**1075**	**2150.0**	1130	2260
ITEM NO.474 Supplying and erecting M.S./CRCA cabinet for housing Floor Hydrant valve, hose pipe, hose reel and branch pipe (size 1000 x 736 x 736 mm.) made from 16 SWG sheet and angle iron 25 x 25 x 4 mm. having front doors with viewing glass (8"x6") and locking arrangement with necessary fixing material such as rubber bidding etc. duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003) CSR 13-8-20	6	NOS.	16748	100488	**16660**	**99960.0**	17500	105000
ITEM NO.475 Supplying and erecting 300mmdia 1.5m in height air vessel / tank fabricated frommin 5mmthickM.S. sheet completeas perspecification no. FF-FFA/ACT CSR 13-8-12	2	NOS.	13166	26332	**13097**	**26194.0**	13760	27520
ITEM NO.476 Providing coating of bitumen paint & pipeline corrosion resistant Pypkote tape conforming to IS 10221 Appendix B specification having 4mm thick wrapping for underground 100 mm ring main of fire fighting system. (Pypkote tape comprises of a Tar based Polymeric mix supported on a fabric of high tensile strength Fibreglass). CSR 13-6-11	60	m	263	15780	**262**	**15720.0**	280	16800
ITEM NO.477 Providing coating of bitumen paint & pipeline corrosion resistant Pypkote tape conforming to IS 10221 Appendix B specification having 4mm thick wrapping for underground 150 mm ring main of fire fighting system. (Pypkote tape comprises of a Tar based Polymeric mix supported on a fabric of high tensile strength Fibreglass). CSR 13-6-12	60	m	366	21960	**364**	**21840.0**	390	23400
ITEM NO.478 Supplying and erecting 20/25mmdiagunmetal air release cock, with necessaryG.I. couplingtobefittedontopofairvesseloronwetriser complete as per specification no. FF-FFA/ARV CSR 13-8-13	4	NOS.	889	3556	**884**	**3536.0**	930	3720
ITEM NO.479 Supply inganderecting Ball Valve complete with PN16 pressurerating, as per specification no. FF-VL/BV								

a)50 mm dia CSR 13-7-41	4	NOS.	3406	13624	**3388**	**13552.0**	3560	14240
b)32 mm dia CSR 13-7-40	2	NOS.	2446	4892	**2433**	**4866.0**	2560	5120
C)25 mm dia CSR 13-7-39	4	NOS.	1483	5932	**1475**	**5900.0**	1550	6200
ITEM NO 480 Supplying and erecting cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FF-VL/BFV								
a)200 mm dia CSR 13-7-22	2	NOS.	10340	20680	**10285**	**20570.0**	10800	21600
b)150 mm dia CSR 13-7-21	4	NOS.	6450	25800	**6416**	**25664.0**	6740	26960
C)100 mm dia CSR 13-7-20	4	NOS.	4340	17360	**4317**	**17268.0**	4540	18160
d)80 mm dia CSR13-7-19	4	NOS.	3239	12956	**3222**	**12888.0**	3390	13560
e)65 mm dia CSR 13-7-18	2	NOS.	2723	5446	**2709**	**5418.0**	2850	5700
f)50 mm dia CSR 13-7-17	2	NOS.	2521	5042	**2508**	**5016.0**	2640	5280
ITEM NO 481 Supplying, erecting, testing and commissioning vane type water flow detector 75/80 mm dia. with 1) Visual switch activation 2) Rugged switch assembly 3) Heavy duty aluminium pipe saddles 4)Durable metal enclosure 5) Steel U bolts for secure mounting 6) Two SPDT (Single pole double track) synchronised switches 7) serviceable without draining pipes. as per specification no. FF SPR/WFD CSR 13-11-4	2	NOS.	7523	15046	**7483**	**14966.0**	7860	15720
ITEM NO 482 Supplying, erecting, testing and commissioning vane type water flow detector 100 mm dia. with 1) Visual switch activation 2) Rugged switch assembly 3) Heavy duty aluminium pipe saddles 4)Durable metal enclosure 5) Steel U bolts for secure mounting 6) Two SPDT (Single pole double track) synchronised switches 7) serviceable without draining pipes. as per specification no. FF SPR/WFD CSR 13-11-5	4	NOS.	8801	35204	**8755**	**35020.0**	9200	36800
ITEM NO 483 Supplying, erecting, testing and commissioning of Upright/ Pendent quartzoid bulb sprinkler, 15 mm (½") dia. NBCM Body chrome finished, 68° C fixed temperature rating with deflector disc of conventional construction complete as per specification no. FF-SPR./UPCSR 13-11-1	225	NOS.	450	101250	**448**	**100800.0**	480	108000
ITEM NO 484 Supplying, erecting, testing and commissioning of horizontal sidewall quartzoid bulb sprinkler, 15 mm (½") dia quartzoid bulb NBCM Body	25	NOS.	498	12450	**495**	**12375.0**	520	13000

chrome finished, 68° C fixed temperature rating with deflector disc of conventional construction complete as per specification no. FF-SPR/SS CSR 13-11-2								
ITEM NO 485 Supplying, erecting, testing and commissioning of concealed quartzoid bulb sprinkler, 15 mm (½") dia quartzoid bulb. NBCM Body chrome finished, 68° C fixed temperature rating with deflector disc of conventional construction complete as per specification no. FF-SPR/CON CSR 13-11-3	5	NOS.	1183	5915	**1177**	**5885.0**	1240	6200
ITEM NO 486 Supplying erecting, testing and commissioning of sprinkler flexible pipe of stainless steel complete with 15 NPT on reducer thread with maximum working pressure of 175 PSI test pressure of 875 PSI (Burst) with branch line (Inlet) 25mm NPT male thread to sprinkler head (Outlet) 15mm NPT female thread with reducer, nipple, 2 side brackets, center bracket, stockbar of 1000 mm size (UL Listed) complete as required as per specification no. FF-SPR/FHP CSR 13-11-7	250	NOS.	670	167500	**666**	**166500.0**	700	175000
ITEM NO 487 Supplying erecting, testing and commissioning of sprinkler flexible pipe of stainless steel complete with 15 NPT on reducer thread with maximum working pressure of 175 PSI test pressure of 875 PSI (Burst) with branch line (Inlet) 25mm NPT male thread to sprinkler head (Outlet) 15mm NPT female thread with reducer, nipple, 2 side brackets, center bracket, stockbar of 1200 mm size (UL Listed) complete as required as per specification no. FF-SPR/FHP CSR 13-11-8	50	NOS.	709	35450	**705**	**35250.0**	750	37500
ITEM NO 488 Supplyinganderecting, testing and commissioning of 100mm dia. installation control valve(Alarm Valve) of cast ironbody, brass/bronzeworking parts comprising of water motor alarm, bronze seat clapper, clapper arm and hydraulically driven mechanical gongbell tosound continuous alarm when the wetriser/sprinkle rsystemactivates,pressure gauges,emergency releases,strainer, pressure switch,cock valve complete with drainvalvean dbypass, testcontrol box, ball valves, MS pipes of required size, flanges, orifice plate, gasket etc. complete as per specification no. FF-VL/ICV CSR 13-7-42	2	NOS.	33738	67476	**33560**	**67120.0**	35240	70480

ITEM NO.489 Supplyinganderecting, testing and commissioning of 150mm dia installation control valve(Alarm Valve) of cast ironbody, brass/bronzeworking parts comprising of water motor alarm, bronze seat clapper, clapper arm and hydraulically driven mechanical gongbell tosound continuous alarm when the wetriser/sprinkle rsystemactivates,pressure gauges,emergency releases,strainer, pressure switch,cock valve complete with drainvalvean dbypass, testcontrol box, ball valves, MS pipes of required size, flanges, orifice plate, gasket etc. complete as per specification no. FF-VL/ICV CSR 13-7-43	2	NOS.	39350	78700	**39143**	**78286.0**	41110	82220
ITEM NO.490 Supplying and erecting 100 mm dia pressure gauge,0-300PSI or 0-14kgper cm square fitted with 12/15 mm dia pad cock valve,erected with provided G.I. pipe, elbow etc. complete as per specification no. FF-FFA/PG CSR 13-8-14	10	NOS.	814	8140	**810**	**8100.0**	860	8600
ITEM NO.491 Supplying and erecting M.S./CRCA cabinet for housing Fire Brigade / SIAMESE connections (size 1250 x 400 x 300 mm.) made from 16 SWG sheet and angle iron 25 mm. x 25 mm. x 4 mm. having front doors with viewing glass (8" x 6") and locking arrangement with necessary fixing material such as rubber bidding etc. duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003CSR 13-8-19	1	NOS.	8670	8670	**8624**	**8624.0**	9060	9060
ITEM NO.492 Supplying and erecting gunmetal single outlet hydrant valve fittedwith necessary accessories complete as per specification no. FF-VL/HV CSR 13-7-35	2	NOS.	8073	16146	**8030**	**16060.0**	8440	16880
ITEM NO.493 Supplying and erecting 63mmdia, reinforced rubber lined (R.R.L.) hose pipe, 15m in length, fitted with necessary accessories complete as per specification no. FF-FFA/RRL CSR 13-8-4	2	NOS.	5520	11040	**5491**	**10982.0**	5770	11540
ITEM NO.494 Supplying and erecting gunmetal branch pipe of 63 mm dia fitted with 20 mm dia detachable hexagonal nozzle complete as per specificationno.FF FFA/NZ CSR 13-8-7	2	NOS.	2034	4068	**2023**	**4046.0**	2130	4260

ITEM NO 495 Supply inganderecting 150mm dia fire brigade header suitable for supplying water in fire tank complete as per specification no. FF-FA/FBC CSR 13-8-10	1	NOS.	9990	9990	**9937**	**9937.0**	10440	10440
ITEM NO 496 Supplying and erecting irebrigade header (Siameseconnection) of150mm dia, for supplyingwater in fire tank complete as per specification no. FF FA/FMC CSR 13-8-11	1	NOS.	12233	12233	**12169**	**12169.0**	12780	12780
ITEM NO 497 Supplying, installation, testing and commissioning of main fire pump (MFP / EP) suitable for water discharge of 2280 to 2850LPM at 80 to 60 m head driven by electric motor 415 volts, 3 phase 50 Hz, AC supply of 45kW or of suitable kW capacity for anual/automatic operation and consisting of following : (a) Horizontal type, single stage, centrifugal/split casing pump of cast iron body & bronze impeller with stainless steel shaft(SS410 grade), mechanical seal conforming to IS 1520. (b) Squirrel cage induction motor, TEFC, synchronous speed 3000 RPM, suitable for operation with IP 55 protection for enclosure, horizontal foot mounted type with lass-'F' insulation, conforming to IS-325. (c) M.S. fabricated common base plate, coupling, coupling guard, foundation bolts etc. as required. (d) Erected on provided suitable size cement concrete foundation duly plastered with anti vibration pads with perfect aligning, proper levelling complete pump set with accessories duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003) complete, as per specification no. FF-MFP/SSC/EP CSR 13-1-4	1	NOS.	250379	250379	**249059**	**249059.0**	261600	261600
ITEM NO 498 Supplying, installation, testing and commissioning of main fire pump(MFP/DP) suitable for water discharge of 2280 to 2850 LPM at 90 to 60 m head driven by 76 HP or suitable HP capacity diesel engine at required working speed suitable for manual/automatic operation and consisting of following :(a) Horizontal type, single stage, centrifugal casing pump of cast iron body & bronze impeller with stainless steel shaft(SS410 rade),echanical seal conforming to IS 1520 (b) Water cooled with radiator, diesel engine conforming to	1	NOS.	608707	608707	**605498**	**605498.0**	636000	636000

relevant IS standard complete with auto starting mechanism, 12/24 volts DC electric starting equipment with battery of required AH capacity with necessary charger suitable to work on 230v, 50Hz AC supply, diesel tank of minimum 150ltr capacity with first filling of diesel up to 100% level with necessary piping with valves up to engine , exhaust pipe extended up to 10 m outside pump house duly insulated with 50 mm thick glass wool with 1.0 mm thick aluminium sheet cladding, residential silencer, instruments and protection as per standard specification, stop solenoid for auto stop in the event of fault with audio indications etc. as equired. (c) M.S. fabricated common base plate, coupling,guard,foundation bolts etc. as required.(d) Erected on provided suitable size cement concrete foundation duly plastered with anti vibration pads with perfect aligning, proper evelling complete pump set with engine assembly and accessories duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003) complete, as per specification no. FF-MFP/SSC/DP CSR 13-4-2								
ITEM NO.499 Supplying, installation, testing and commissioning of jockey fire pump (JP) suitable for water discharge of 180 to 240 LPM at 70 to 50 m head driven by electric motor 415 volts, 3 phase 50 Hz, AC supply of 5.5 kW or of suitable kW capacity for manual/automatic operation and consisting of following : (a) Horizontal/vertical type, multi stage, centrifugal casing pump of cast iron body & bronze impeller with stainless steel shaft (SS410 grade), mechanical seal conforming to IS 1520. (b) Squirrel cage induction motor, TEFC, synchronous speed 3000 RPM, suitable for operation with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325. (c) M.S. fabricated common base plate, coupling, coupling guard, foundation bolts etc. as required. (d) Erected on provided suitable size cement concrete foundation duly plastered with anti vibration pads with perfect aligning, proper levelling complete pump set with accessories duly painted with two coats of synthetic enamel paint of fire red colour over a	1	NOS.	66266	66266	**65917**	**65917.0**	69220	69220

coat of primer (ISC code 536 as per IS 2932 of 2003)complete, as per specification no. FF-MFP/JP CSR 13-2-1								
ITEM NO.500 Supplying, installation, testing and commissioning of booster fire pump [BP] suitable for water discharge of 450 LPM at 35 m head driven by electric motor 415 volts, 3 phase 50 Hz, AC supply of 5.5 kW or of suitable kW capacity for manual/automatic operation and consisting of following : (a) Horizontal/vertical type, single/multi stage, centrifugal casing pump of cast iron body & bronze/CI impeller with stainless steel shaft (SS410 grade), mechanical seal conforming to IS 1520. (b) Squirrel cage induction motor, TEFC, synchronous speed 3000 RPM, suitable for operation with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325. (c) M.S. fabricated common base plate, coupling, coupling guard, foundation bolts etc as required. (d) Erected on provided suitable size cement concrete foundation duly plastered with anti vibration pads with perfect aligning, proper levelling complete pump set with accessories duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003) complete, as per specification no. FF-MFP/BP CSR 13-3-1	1	NOS.	46195	46195	**45951**	**45951.0**	48250	48250
ITEM NO.501 Supplying and erecting 100 mm dia. pressure gauge , 0-300 PSI or 0-14 kg per cm square fitted with 12/15 mm dia. pad cock valve, erected with provided G.I. pipe, elbow etc complete as per specification no. FF-FFA/PG/CSR 13-8-14	6	NOS.	814	4884	**810**	**4860.0**	860	5160
ITEM NO.502 Supplying and erecting 200 mm dia. cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FF-VL/BFV CSR 13-7-22	1	NOS.	10340	10340	**10285**	**10285.0**	10800	10800
ITEM NO.503 Supplying and erecting 150 mm dia cast iron double flange NRV complete with PN16 pressure rating, as per specification no. FF-VL/NRV CSR 13-7-25	1	NOS.	14222	14222	**14147**	**14147.0**	14860	14860
ITEM NO.504 Supplying and erecting 75/80 mm dia cast iron double flange NRV complete with PN16 pressure rating, as per specification no. FF-VL/NRV Supplying and erecting 200	2	NOS.	6473	12946	**6439**	**12878.0**	6770	13540

mm dia. cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FF-VL/BFV CSR 13-7-23								
ITEM NO.505 Supplying and erecting 200 mm dia Cast Iron end line strainer of Y-type flanged end pattern, PN16 pressure rating, screen of SS end connection with Flanged / Screwed / Socket Weld / Butt Weld End etc with standard OAR (open area Ratio) for positive suction complete as per specification no. FF-VL/ELS CSR 13-7-8	1	NOS.	21469	21469	**21356**	**21356.0**	22430	22430
ITEM NO.506 Supplying and erecting 200 mm dia. cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FF-VL/BFV CSR 13-7-22	1	NOS.	10340	10340	**10285**	**10285.0**	10800	10800
ITEM NO.507 Supplying and erecting 150 mm dia. cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FF-VL/BFV CSR 13-7-21	1	NOS.	6450	6450	**6416**	**6416.0**	6740	6740
ITEM NO.508 Supplying and erecting 100 mm dia. cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FF-VL/BFV CSR 13-7-20	6	NOS.	4340	26040	**4317**	**25902.0**	4540	27240
ITEM NO.509 Supplying and erecting 75/80 mm dia. cast iron double flange butterfly valve of size complete with PN16 pressure rating, as per specification no. FFVL/BFV CSR 13-7-19	4	NOS.	3239	12956	**3222**	**12888.0**	3390	13560
ITEM NO.510 Supply inganderecting 12/15mm dia pressure switch withprovide disolation valve, G.I. nipple, elbow, etc complete as per specification no. FF-FFA/PS CRS 13-8-15	1	NOS.	1863	1863	**1853**	**1853.0**	1950	1950
ITEM NO.511 Supplying & erecting Carbon Dioxide (CO_2) fire extinguisher of 4.5 kg. capacity cartridge type conform to IS 2878 /15683 complete erected with necessary clamp made from 50 x 6 mm. M. S. flat with nut & bolts routed in wall complete CSR 13-14-1	15	NOS.	9996	149940	**9943**	**149145.0**	10450	156750
ITEM NO.512 Supplying and erecting 150 mm dia Cast Iron end line strainer of Y-type flanged end pattern, PN16 pressure rating, SS screen, end connection with Flanged / Screwed / Socket Weld / Butt Weld End etc with standard OAR (open area Ratio) for	2	Nos.	11713	23426	**11651**	**23302.0**	12240	24480

positive suction complete as per specification no. FF-VL/ELS CSR 13-7-7								
ITEM NO.513 Supplying and erecting 75/80 mm dia Cast Iron end line strainyr of Y-typeflanged end pattern, PN16 pressure rating, SS screen, end connection with Flanged / Screwed / Socket Weld / Butt Weld End etc with standard OAR (open area Ratio) for positive suction complete as per specification no. FF-VL/ELS CSR 13-7-5	3	No.	4619	13857	**4595**	**13785.0**	4830	14490
ITEM NO.514 Supplying and erecting 200 mm dia cast iron double flange NRV complete with PN16 pressure rating, as per specification no. FF-VL/NRV CSR 13-7-26	1	No.	22462	22462	**22344**	**22344.0**	23470	23470
ITEM NO.515 Supplying and erecting 20/25mm dia gun metal air release cock, with necessary G.I. coupling to be fitted on top of air vessel or on wet riser complete as per specification no. FF-FFA/ARV CSR 13-8-13	2	Nos.	889	1778	**884**	**1768.0**	930	1860
ITEM NO.516 Supplying, erecting, testing & commissioning of fire pump control panel (FCP) of cubical construction, floor mounted type, fabricated from minimum 2mm thick CRCA sheet, compartmentalised with hinged lockable doors, with enclosure protection class IP54, duly powder coated or painted with accessories duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003), cable alley, interconnection with suitable size solid copper busbar strip of adequate size for all power connections having switchgears and accessories, mountings and internal wiring with adequate size copper conductor cable, earth terminals, numbering etc complete in all respect, suitable for satisfactory operation of main fire pump and jockey (pressurisation) pumps (1working+1standby) with necessary accessories, wiring & cabling along with allied accessories with following incoming and outgoings, suitable for automatic & manual operation on 415V, 3 phase, 50Hz ac supply as per specifications CSR 13-5-1	1	No.	184675	184675	**183701**	**183701.0**	192900	192900
the capacity of electric motor driven pump are as follows a Main fire pump(MFP) having capacity of 22kW 1no (1 working) b. Jockey pump(JP) capacity of suitable capacity 2								

nos(1 working +1 standby, alternate run per start in auto mode) comprises of the following features & switchgears. 1. Main incomer FP SFU having rotary handle with HRC fuses of suitable rating. 2. Electrolytic grade copper strips for busbar of suitable sizes for main incomer and branches to motor SFU's, starters & outgoing terminals with necessary accessories like stainless steel nut bolts with spring washers for connections, mounted on required no of epoxy or porcelain support insulators of suitable ratings etc. 3. Individual pump TPN SFU having rotary handle with HRC fuses of suitablerating. 4. Digital voltmeter & ammeter & RYB indicating lamps & push buttons & SPP, O/L & phase reversal protection with emergency stop switch. 5. TPN SPD 100kA Type 1 +2 tested.								
6. Required pressure transducer with pressure indication on panel with cabling required for monitoring & automatic operation of fire pumps. 7. System controller to control operation of main electric fire pump, jockey (pressurization) pumps in sequence with interlocking for operation of pumps as per specification with automatic/manual operation with selector switch & alternate run of standby Pumps consisting of relays, timers, sensors, annunciation window for fault indication, complete as per specification. 8.Suitable capacity electric motor starters for all individual pumps with necessary push buttons & indications. 9. Siren of required capacity to be activated when main pump starts & allied accessories as per requirements of local CFO or as directed by engineer in charge. 10. Danger board as per IS. 11. Spare HRC fuses minimum 2 nos of each individual rating with required bakelite fuse holder for main & jockey fire pumps MFP=(1working), JP = (1working+1standby, alternate run per start in auto mode) complete panel, as per specification no. FF-MFP/ECP								
ITEM NO.517 Add On A4 For main electric motor driven fire hydrant system pump of 55kW capacity & relevant capacity jockey pump add Rs.	1	No.	69801	69801	**69433**	**69433.0**	72910	72910
ITEM NO.518 Add On D For addition of standby main diesel engine driven fire pump	1	No.	69529	69529	**69162**	**69162.0**	72630	72630

(1standby), add as follows in the basic cost of Item no 13-5-1 towards required 12/24 v battery charger and diesel engine starter alongwith necessary accessories, indicators etc. with necessary interlocking and updation of control logic with interlocking for operation of pumps MFP for main (1working+1standby mode) & jockey fire pumps (1working+1standby, alternate run per start in auto mode), add Rs..... The control for diesel engine comprises of automatic/manual selector switch & 3 attempts starting device, timers and relays as required, push buttons, start/stop in manual mode indicating lamp for high/ low Lub. oil pressure, high water temp and engine on indication battery charger suitable for 12V/24 V DC with boost and trickle selector switch, 0-30 V DC voltmeter, and 0-20 A DC ammeter with all standard relays and accessories required for automatic operation of diesel engine with interlocking for operation of main fire pumps								
ITEM NO.519 Add On E1 For addition of booster pump for fire hydrant/sprinkler, add as follows in the basic cost of item no 13-5-1 towards necessary accessories, indicators etc. with necessary interlocking and updation of control logic, add Rs..... 1 for 5.5/ 7.5 kW centrifugal type booster pump 1no(1working), add Rs	1	No.	18299	18299	**18203**	**18203.0**	19120	19120
ITEM NO.520 Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 3 core 6 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU CSR 7-2-16	80	Rmt.	320	25600	**318**	**25440.0**	340	27200
ITEM NO.521 Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable, 1100 V 3 core 50 sq mm. aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL CSR 7-1-14	100	Rmt.	330	33000	**328**	**32800.0**	350	35000
ITEM NO.522 Supplying & erecting single compression type brass cable glands for 3½ core 70 sq mm cable as per specification No. CB-GL CSR 7-7-6	2	No.	281	562	**280**	**560.0**	300	600

ITEM NO.523 Supplying & erecting single compression type brass cable glands for 3 to 4core 6 sq mm /2 to 4 core 10 sq mm cable as per specification No. CB-GLCSR 7-7-2	8	No.	93	744	**93**	**744.0**	100	800
ITEM NO.524 Supplying & erecting crimping type copper lugs for cable upto 16 sq mm complete as per specification No. CB-CL/CU CSR 7-9-1	24	No.	24	576	**24**	**576.0**	30	720
ITEM NO.525 Supplying & erecting crimping type aluminium lugs for cable 70 sq mm complete as per specification No. CB-CL/AL CSR 7-10-5	6	No.	31	186	**31**	**186.0**	40	240
ITEM NO.526 Supplying, installation, testing and commissioning of jockey fire pump (JP) suitable for water discharge of 180 to 240 LPM at 70 to 50 m head driven by electric motor 415 volts, 3 phase 50 Hz, AC supply of 5.5 kW or of suitable kW capacity for manual/automatic operation and consisting of following : (a) Horizontal/vertical type, multi stage, centrifugal casing pump of cast iron body & bronze impeller with stainless steel shaft (SS410 grade), mechanical seal conforming to IS 1520. (b) Squirrel cage induction motor, TEFC, synchronous speed 3000 RPM, suitable for operation with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325. (c) M.S. fabricated common base plate, coupling, coupling guard, foundation bolts etc. as required. (d) Erected on provided suitable size cement concrete foundation duly plastered with anti vibration pads with perfect aligning, proper levelling complete pump set with accessories duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003)complete, as per specification no. FF-MFP/JP CSR 13-2-1	2	Nos	66266	132532	**65917**	**131834.0**	69220	138440
ITEM NO.527 Jocky Pump Supplying, installation, testing and commissioning of jockey fire pump (JP)suitable for water discharge of 180 to 240 LPM at 70 to 50 m head driven byelectric motor 415 volts, 3 phase 50 Hz, AC supply of 5.5 kW or of suitable kW capacity for	2	NOS	46195	92390	**45951**	**91902.0**	48250	96500

manual/automatic operation and consisting of following : (a) Horizontal/vertical type, multi stage, centrifugal casing pump of cast iron body & bronze impeller with stainless steel shaft (SS410 grade), mechanical seal conforming to IS 1520. (b) Squirrel cage induction motor, TEFC, synchronous speed 3000 RPM, suitable for operation with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325. (c) M.S. fabricated common base plate, coupling, coupling guard, foundation bolts etc. as required. (d) Erected on provided suitable size cement concrete foundation duly plastered with anti vibration pads with perfect aligning, proper levelling complete pump set with accessories duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003)complete, as per specification no. FF-MFP/JP CSR 13-3-1								
ITEM NO 528Booster PumpSSupplying, installation, testing and commissioning of booster fire pump [BP]suitable for water discharge of 450 LPM at 35 m head driven by electric motor 415 volts, 3 phase 50 Hz, AC supply of 5.5 kW or of suitable kW capacity for manual/automatic operation and consisting of following (a) Horizontal/vertical type, single/multi stage, centrifugal casing pump of cast iron body & bronze/CI impeller with stainless steel shaft (SS410 grade),mechanical seal conforming to IS 1520.(b) Squirrel cage induction motor, TEFC, synchronous speed 3000 RPM, suitablefor operation with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325.(c) M.S. fabricated common base plate, coupling, coupling guard, foundation bolts etc. as required.(d) Erected on provided suitable size cement concrete foundation duly plastered with anti vibration pads with perfect aligning, proper levelling complete pump set with accessories duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003) complete, as per specification no. FF-MFP/BPCSR 13-4-1	2	NOS	536620	1073240	**533791**	**1067582.0**	561000	1122000
ITEM NO 529 Diesel Pump Supplying, installation, testing and commissioning of main fire pump (MFP/DP) suitable	2	NOS	608707	1217414	**605498**	**1210996.0**	636000	1272000

for water discharge of 2280 to 2250 LPM at 90 to 60 m head driven by 76 HP or suitable HP capacity diesel engine at required working speed suitable for manual/automatic operation and consisting of following : (a) Horizontal type, single stage, centrifugal casing pump of cast iron body & bronze impeller with stainless steel shaft(SS410 grade), mechanical seal conforming to IS 1520. (b) Water cooled with radiator, diesel engine conforming to relevant IS standard complete with auto starting mechanism, 12/24 volts DC electric starting equipment with battery of required AH capacity with necessary charger suitable to work on 230v, 50Hz AC supply, diesel tank of minimum 150ltr capacity with first filling of diesel up to 100% level with necessary piping with valves up to engine , exhaust pipe extended up to 10 m outside pump house duly insulated with 50 mm thick glass wool with 1.0 mm thick aluminium sheet cladding, residential silencer, instruments and protection as per standard specification, stop solenoid for auto stop in the event of fault with audio indications etc. as required. (c) M.S. fabricated common base plate, coupling, coupling guard, foundation boltsetc. as required. (d) Erected on provided suitable size cement concrete foundation duly plastered with anti vibration pads with perfect aligning, proper levelling complete pump set with engine assembly and accessories duly painted with two coats of synthetic enamel paint of fire red colour over a coat of primer (ISC code 536 as per IS 2932 of 2003) complete, as per specification no. FF-MFP/SSC/DP CSR 13-4-2								
ITEM NO.530 Providing & fixing AC Charger of model named as AC Type 2 with power rating of 7.4 kW & charging connector IEC62196-2 Gun, the input power supply should be of one phase with all required accessories. (For all 4 W of 2nd generation like Nexon, MG, Mercedes etc) complete as per specification and drawing provided by the Engineer Incharge Approved MR	2	NOS.	84822	169644	**84375**	**168750.0**	88600	177200
ITEM NO.531 Providing & fixing AC Charger of model named as Bharat AC01 with power rating of 3x3.3 KW & charging connector 3 nos. of 16 A Socket, the input power supply	2	NOS.	77675	155350	**77265**	**154530.0**	81130	162260

should be of three phase with all required accessories. (For 2/3 W & 4 W slow charging) complete as per specification and drawing provided by the Engineer Incharge Approved MR								
ITEM NO.532Providing & fixing DC Fast Charger of model named as CCS2 with power rating of 30 KW & charging connector 1 nos. of 30 KW CCS2 gun, the input power supply should be of three phase with all required accessories and the output current wil be 125 A per Gun. (For all 4 W of 2nd generation like Nexon, MG, Mercedes etc) complete as per specification and drawing provided by the Engineer InchargeApproved MR	2	NOS.	743721	1487442	**739800**	**1479600.0**	777000	1554000
ITEM NO. 533 SITC of Electric Traction Passenger cum Stretcher/Hospital Lift with · Rated capacity :- 20 Passenger/1360Kg · Floors :- G+1 floor (2Stops/2 Landings) · Travel :- 3 to 4.2 mtrs · Location of Lift Machine :- MR/MRL · Rated speed :- 1.0mps VS · Car/Landing door clear opening of 1100/1200 mm wide x 2000 mm high · Clear Car size of ....mm wide x ....mm deep x 2250mm high · Lift shaft available having clear size of .....mm wide x ....mm deep, ...mm Pit depth, ...mm Overhead CSR 17-1-10	5	JOB	1961149	9805745	**1950810**	**9754050.0**	2049000	10245000
· Doors type :- COPO/TOPO Doors with frame made from SS 304 grade solid(non-claded) sheet of 1.5mm thick in hairline finish for car and all landing doors with SS door architraves/frames The lift doors shall have minimum 1 hour fire rating (with submission of necessary valid Test Certificate issued by NABL accredited or Independent Test laboratory) · Lift car enclosure made from SS 304 grade solid(non-claded) sheet of 1.5mm, thick with hairline finish with frame made from MS girders, bracing of adequate size with minimum safety factor of 5, with Toe Guard Apron, with necessary false ceiling with LED lights having light intensity of at least 100 lux in car, blower/fan for ventilation & SS chequered plate flooring, handrails, mirror, emergency light etc. The lift car interior design shall be done as per the directions of engineer in charge · COP with SS face plate having metallic push buttons								

with Braille Code & luminous indicator around button with FPI, scrolling UP/DN LED indicator & with / without attendant key switch, OWD with audiovisual alarm, VAS in Marathi, Hindi & English with intercom system with telephone instrument in Lift car, LMR & FCC/ground floor								
· LOP with SS face plate having recess/surface push button box for all landings with scrolling UP/DN LED indicator having metallic push buttons with Braille Code & luminous indicator around button with CPI, Lift car arrival & next travel direction audio-visual indication at all landings · Lift controller based on microprocessor/ PLC with VVVF Drive having closed loop control system, with IBMS compatible having necessary port, The Controller shall have necessary Protections such as overcurrent, overvoltage, over speed, overheat for all devices including lift motor and travel direction protection, protection for phase loss at input or output, Ascending Car Overspeed Protection etc. various operation modes such as maintenance, change direction by attendant, full load bypass, VIP call operation, self leveling operation, call cancel facility, auto return to home landing, fireman evacuation operation, door open/close operation from COP etc. The system can record information for minimum 30 latest faults, with Real-time clock management and Handheld keypad with LCD screen for view and setting of parameters, The control panel duly wired with proper size & strength, copper wire for power & control circuit, with provision for addition of floor/control card & allied accessories control panel having enclosure of 1.5mm CRCA sheet with powder coating with IP54 Protection class								
ARD complete with necessary SMF VRLA batteries shall be such that minimum three consecutive rescue operations can be performed without recharging for the maximum travel distance between two consecutive served stops. ARD have a suitable audio alarm with visual indication or voice annunciation in the lift car or lift controller to indicate "Low battery". · Fireman controller having fireman switch at fire Landing. · CCTV surveillance system comprises of 2nos minimum 2.0MP FHD IP based vandal proof Dome								

camera in lift car & in LMR/inside lift shaft top aimed on Lift machinery & controller with NVR kept in LMR/FCC with HDR data backup for 90 days with 20" FHD TV monitor, to be kept in FCC/LMR as directed by Engineer In Charge.								
- Lift Machine of Gearless PMSM of suitable kW with duty cycle of minimum 120 starts/hr (with submission of necessary valid Test Certificate issued by NABL accredited or Independent Test laboratory), with Traction pulley, OSG, electromagnetic brakes, entire assembly mounted on adequate size girders duly fixed on LMR floor/ shaft walls complete with main/diverter traction sheaves, suspension wire ropes/belts of adequate size & strength. Other mechanical parts such as 'T' section adequate size guide rails for car & counter weight with brackets fasteners, counter weight frame with necessary blocks, buffers with necessary support arrangement, MS pit ladder etc. erected with necessary steel work. - Minor civil work such as alteration work if any necessary for erection of landing door frames and it's accessories e.g. sill, header, hole pass etc complete with plaster finish, civil work for erection buffers, erection of lift machinery, adequate size core cuts if required & scaffolding for erecting guide rails, providing and fixing steel girders/RCC work having adequate strength for mounting and hoisting lift machine etc. complete as per specification no: LFT								
- General: - Job includes entire procedure of obtaining all necessary erection permissions & "License to Work the Lift" from Electrical Inspector(Lifts) with submission to the Engineer In Charge. - The above rate includes Fully Comprehensive AMC for one year from the date of commissioning.								
ITEM NO.534 Add On A-5 For Lift travelling up to six floors or at a speed of 1.0 mps, add as below, For Lift having 1100mm wide x 2000mm high clear entrance in 1.5mm thick SS 304 grade solid(non-clad ed) landing door [Two panel], this includes all necessary accessories like LOP's with UP/DN buttons-arrowsindicators, extension of guide rails, shaft wiring with trunking, travelling cables, main hoisting ropes/belts, & OSG rope landing doors with	10	FLOOR	151829	1518290	**151029**	**1510290.0**	158600	1586000

all accessories etc. necessary for the normal safe functioning of lift installation complete								
ITEM NO 535 Supplying, installing, testing and commissioning of 20 kWp ON-GRID Solar pV System / Plant consisting Solar PV Poly Crystalline Panel (335 Wp X 60 Nos.) and Solar ON-GRID Inverter of similar capacity (THD<3%) with interconnecting wires / cables up to solar ON GRID inverter, proper base plate, canopy box to house Inverter and necessary accessories i.e. ACDB/ DCDB , MCB etc. wiring up to solar Inverter in casing and capping, display board, sign board, two distinct earthing, lightning arrester, liasoning charges, remote monitoring system with maintaining card/chip for 5 years including net charges for RMS System, complete upto net meter installation and export to the grid with 5 year ON-SITE warranty and fully comprehensive maintenance contract as per Specification no. ESD-RT-ONG. CSR 4-5-5	1	NOS	1065919	1065919	**1060299**	**1060299.0**	1114000	1114000
ITEM NO 536 Preparing Lawn (30 cm. depth):- Excavating the ground to a required depth of 30cms, removing & conveying unwanted stuff to a required distance as directed. Filling fresh garden soil/silt & manure in excavated area in 3:1 proportion to a height of 30cms. Mixing garden soil and manure thoroughly well, leveling, and watering on previous night. Planting required variety of lawn grass as directed and maintaining till well established by watering, weeding, elinning rolling etc complete PARK AND GARDEN DSR	450	SMT	696	313200	**692**	**311400.0**	730	328500
ITEM NO. 537Preparing flower Bed:-Excavating the ground to the required depth of 30cms, Removing and conveying unwanted stuff to a required distance as directed, Filling fresh garden soil & manure in excavated area in 3:1 proportion to a required height of 30cms Mixing garden soil and manure thoroughly well, leveling, watering, on previous night. Planting seedlings of required annuals 25cms apart Maintaining till well established by watering, weeding, Stirring replacing of casualties etc, Complete PARK AND GARDENDSR	588	SMT	687	403956	**683**	**401604.0**	720	423360
ITEM NO 538 GARDEN SOILSupplying on site garden soil well sieved 90% to pass through IS. sieve of 10 mm size free from stones rubbish like dried grass	589.237 5	CMT	844	497316.45	**840**	**494959.5**	890	524421.375

roots and other such materials. The soil should be fresh from quarry. The color of the soil generally is red. The soil will be measured by measuring box. (Farma) Item includes royalty charges, octroi, corporation Tax Transporting loading -unloading etc (Lead charges per 90 km. considered) PARK AND GARDEN DSR								
ITEM NO.539 FARM YARD MANURE -Supplying on site well decayed, well dried, well powdered, without clods and free from stones, dried grass and other rubbish material. The color of the manure generally is black. The manure will be measured by measuring box.(Farma)Item includes Transporting, loading -unloading etc (Lead charges per 30 kom. are considered) PARK AND GARDEN DSR	165	CMT	824	135960	**820**	**135300.0**	870	143550
Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in pollybag. (Wherever applicable)								
ITEM NO.540 Sapling of small & medium Ornamental flowering plants, Ornamental ficus, Mussanda etc. Thuja, Cupressus, Common Ornamental Shrubs for Shrubbery PARK AND GARDEN DSR	300	NOS	50	15000	**50**	**15000.0**	60	18000
ITEM NO.541 Palm Varities (Red Palm, Fox Tail Palm, Bottle Palm, Rhaphis Palm, Table Palm, Cristal Palm etc) 6-8Ft PARK AND GARDEN DSR	30	NOS	1307	39210	**1300**	**39000.0**	1370	41100
ITEM NO.542 Plants required for Landscaping (Euphorbia, Hemelia, Malpbegra, Mussanda, Tecoma, Song of India, Golden Bamboo, Buddhas Bamboo, Golden Ficus, Phonicus Palm X'mas Tree, Ficus Panda etc) 4-5 ft PARK AND GARDEN DSR	150	NOS	276	41400	**275**	**41250.0**	290	43500
ITEM NO. 543 Preparing Shrubbery - Excavating the ground to required depth of 30cms, removing and conveying unwanted stuff to a required distance as directed. Filling fresh garden soil & Manure in excavated area in 3:1 proporation to a height of 30cms. Mixing garden soil & manure thoroughly well, leveling, and watering on previous night, planting well	420	SMT	655	275100	**652**	**273840.0**	690	289800

developed shrubs plant 0.5 Mtrs apart as directed and maintaining till well established by watering, weeding, stirring, replacing casualties etc. complete. PARK AND GARDEN DSR								
ITEM NO. 544Forrest Trees(Peltophorum,Bakul,Kecia,Neem,Tabobia,ETC)Annex B(8-10 FEET)PARK AND GARDENDSR	10	NOS	653	6530	**650**	**6500.0**	690	6900
ITEM NO. 545 Trimming of trees having girth between 2' to 5' MCGM R3-GW-8-2	10	NOS	2355	23550	**2343**	**23430.0**	2470	24700
ITEM No.546 Plant Protection measures for tree having girth between 2'to 5' MCGM R3-GW-8-22	10	NOS	291	2910	**289**	**2890.0**	310	3100
ITEM NO.547 Quisqualis 24indica 6 " to 9 " height excluding pollybag MCGM R3-GW-5-205	150	NOS	17	2550	**17**	**2550.0**	20	3000
ITEM NO. 548 Bougainvillea purviana Thimma 6 " to 9 " height excluding pollybag MCGM R3-GW-5-20	150	NOS	35	5250	**35**	**5250.0**	40	6000
ITEM NO.549 Codieum variegatum Hybrid croton 6 " to 9 " height excluding pollybag MCGM R3-GW-5-37	150	NOS	46	6900	**46**	**6900.0**	50	7500
ITRM NO. 550 Samanea saman Rain tree 4' to 5 ' height excluding pollybag MCGM R3-GW-5-295	50	NOS	81	4050	**81**	**4050.0**	90	4500
ITEM NO. 551 Rohco discolor Rhoeo Nana 4" to 6" height excluding pollybag MCGM R3-GW-5-145	150	NOS	12	1800	**12**	**1800.0**	20	3000
ITEM NO. 552 Rohco discolor Rhoeo Tall 4" to 6" height excluding pollybag MCGM R3-GW-5-146	150	NOS	23	3450	**23**	**3450.0**	30	4500
ITEM NO.553 Delonix regia Gulmohar 4' to 5 ' height excluding pollybag MCGM R3-GW-5-261	50	NOS	81	4050	**81**	**4050.0**	90	4500
ITEM NO.554 Verbena 6 " to 9 " height excluding pollybag MCGM R3-GW-5-158	200	NOS	17	3400	**17**	**3400.0**	20	4000
ITEM NO.555 Chlorophytum laxum Dwarf Chlorophytum 6 " to 9 " height excluding pollybag MCGM R3-GW-5-40	200	NOS	23	4600	**23**	**4600.0**	30	6000
ITEM NO.556 Chlorophytum comosum Spider Plant 6 " to 9 " height excluding pollybag MCGM R3-GW-5-39	75	NOS	23	1725	**23**	**1725.0**	30	2250
ITEM NO.557 Mangifera indica Mango 4' to 5 ' height excluding pollybag MCGM R3-GW-5-284	50	NOS	145	7250	**144**	**7200.0**	160	8000
ITEM NO.558 Providing and laying hand made tile of various size and approved designs for dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar	70	SMT	9942	695940	**9890**	**692300.0**	10390	727300

including joint filling with white/ colour cement slurry cleaning curing etc. complete Approved MR								
ITEM NO 559METAL BAFFLE CEILING : Providing & fixing of horizontal level suspended ceiling comprising of Vertical Linear Baffle Ceiling made out of Aluminum Extrusion in Aluminum alloy grade 6063 T5. The baffle blade shall be in size of 100x25x3600mm in powder coated to Woodgrain/Plain finish (Red Oak, Cherry, Black & White).. The baffle shall be electrostatically polyester powder coated to a coating thickness of 60-80 micron. The powder coating shall pass Salt Spray Test for 750 Hours as per ASTM B117, QUV-A Test for 1000hours as per ASTM G-154 - (Cycle - 1) and Humidity test for 1000hours as per DIN 50017. The powder coating shall have an adhesion of GT0 as per EN ISO 2409. The shade variation within a manufacturing batch shall be delta E<1 using Excite/BYK Gardner instrument and gloss level 25±5 at 60° as per ASTM D523 (Not applicable of Wood Grain Shade). The baffle blade shall be suspended using Slotted U- profile of 20 x 30 x 3700mm (Thk-1.5mm) having slots in module of 25mm to keep baffles at an on-center spacing in multiples of 25mm. Longer lengths of Baffle to be connected by Baffle Joiner and the ends to be fixed with End caps .SUSPENSION: Shall be hanged using baffle hanger from U-profile made of mild steel with powder coating thickness of 60-80 micron SSR 52.35/468	951.16	SMT	13861	13184028.76	**13787.55**	**13114166.1**	14480	13772796.8
The U – profile to comprise of alternate square & rectangular slots of 6.5x6.5mm & 28x6.5mm respectively on the web for locking the baffle hanger using plugin clip to secure the hanger in perfect position and achieve uniform spacing between baffles. The overall dimension of the U – profile is 20(W) x 30(H) x 3750(L) mm and is rolled form from 1.5mm thick mild steel with a powder coating thickness of 60- 80micron. U-Profile to be connected to each other using U –Profile Splice. The U- profile shall be hanged from the true ceiling using threaded rod using a U- Profile hanger. The Baffle along with suspension system used together shall carry a 10 year warranty against manufacturing defect and manufacturer shall provide a warranty certificate. The supply shall be backed by a								

Manufacturing Test Certificate.								
INSTALLATION: Installation of U-Grid. The U profile to be suspended at every 1200mm center to center using 6mm threaded rod from the structural soffit using U-profile hanger. U-profile splice to be used to join more than one U profiles of length 3.7M. 1st U-Grid Channel must be no more than 400mm from the perimeter. Installation of Baffles: Locate the slot for Baffle Hangers in U Profile section at 1200mm centers. Hangers are inserted into the slot, then rotated 90° and fixed into position by tightening the grub screw. Baffle to be lifted into position and hangers engage over lip of U-Grid Channel. Each Hanger to be secured into position by inserting the Locking Clip. When doing continuous installation, Baffles blades are to be connected at ends with Baffle Joiner, which are inserted into the top and bottom slots of the Baffle closed profile for alignment only. The bottom Joiner to be located first and fastened on one side only. The top Joiner to be fitted then and secured with grub screws on one side. Then the two Baffle sections shall be joined and the top Joiner is screw fastened on the 2nd Baffle profile. End Caps to be located by pushing the End Cap tongues into open Baffle slots. Installation should be carried out as per Manufacturer recommended procedure.								
ITEM NO.560 Providing and fixing frame work of anodised aluminium sections for suspended false ceiling consisting of aluminium T 50 mm x 40 mm weighing 0.39 Kilogram/m. at 60 cms c/c and fixed with (15 x 15 mm) flanges weighing 0.119 Kilogram/m suspended on 6 mm dia. mild steel rod weighing 0.22 Kilogram/m fixed on wall and beams including rounding of the edges with aluminium T of 50 mm x 40 mm weighing 0.39 Kilogram/m etc. including all labour etc. complete SSR 38.14/234	555	SMT	1340	743700	**1332.45**	**739509.8**	1400	777000
ITEM NO.561Providing and fixing in position cement sheet having thickness 12 mm in provided Frame/Brickwall/RCC Member as directed by Engineer in Charge and Drawings . item to be completed in all respect including finishing of joints cut outs, including labour, material, lifts etc. all completeRASSR 66/528	555	SMT	919	510045	**914**	**507270.0**	960	532800

ITEM NO 562 Providing, fixing transporting and lifting upto 75ft of 80/114 mm corrugated Jinroc Roof Panel: Continuous line Mineralwool / Rockwool insulated corrugated panel having trapezoidal profile with max crest height of 34mm at maximum pitch of 250mm with Top & Bottom 0.5mm TCT PPGI sheet. The stonewool insulation shall be non-combustible grade of density 100 Kg/m3 with permissible tolerance as per IS 8183 and core shall be certified by EUCEB as noncarcinogenic, bio-soluble. The insulation material should be completely non-combustible having class A1 as per EN13501-1, shall have melting point of more 1000OC as per ASTM E794, approved by fire test standards UL 723 and ASTM E84, the SDI and FSL value should be 0 as per the UL 723 testing. The Stonewool slab shall be cut into Lamella, rotated & uniformly glued through online oscillation process using PU based glue of reputed make and ensure high adhesive uniformity & proper bonding with sheet. Panel shall be joined together using tongue & groove joinery with max tolerance of 3mm and shall be packed online before the transportation to avoid scratches. The top profiled sheet of 0.5mm TCT PPGI and bottom Micro Ribbed of 0.5mm PPGI.	547.74	SMT	6644	3639184.56	**6609**	**3620013.7**	6940	3801315.6
Sheet shall be of minimum 240 MPa RMP 120 GSM without guard film, 5- 7microns epoxy primer on both side of the sheet and polyester top coat 20-25 micron. The sheet shall have plastic protective guard film of minimum 25 micron to avoid scratches during transportation – Kingspan Jindal. Providing and fixing Flashing for aesthetic and support (girth up to 600 mm) Providing and fixing Gutter (girth up to 900 mm), (PVC nozzle length 300mm) (PPGI - 0.5mm thick). Fire Rated 2 Hr Approved MR								
ITEM NO 563 Providing and Fixing Rollar Blinds AMI Make or approved make & shade of 38mm round Aluminium channel with Blackout fabric & telting with chain (Ball) system with all necessary fixtures and fitting etc. complete. (Sample to be final by Engineer In-charge prior execution of work) SSR 51.19/355	226.9741	SMT	2272	515685.1552	**2259.6**	**512870.7**	2380	540198.358

ITEM NO 564 Providing and Fixing Vertical Blinds of approved Make and shade of 100mm regular fabric with powder coated aluminium channel with telting PVC chain & bottom weight plate with all necessary fixtures and fitting etc. complete. (Sample to be final by Engineer In-charge prior execution of work) SSR 51 20/355	145	SMT	1082	156890	**1076.25**	**156056.3**	1140	165300
ITEM NO 565 Providing & fixing Curtains as per drapery details. Including curtain rods & accessories. Spec. As directed by Engineer-In-Charge Approved MR	128.75	SMT	1810	233037.5	**1800**	**231750.0**	1890	243337.5
ITEM NO. 566ROLLER BLINDS - COLOUR BACKINGProviding & fixing premium quality Roller blinds with prestress Solar protection fabric of high tenacity Polyester Yarn with PVC coating and fungi static treatment and should block the light flux & offer elimination of glare and sunlight /radiance etc.complete. Fabric shall have visible light & solar properties & greengaurd (gold) Indoor Airquality & children & school certified.Fabric composition - 39% Polyester / 61% PVCwith alumium backing.Weight - 290 g/sq m (+/- 5%)Thickness - 0.32 mm (+/- 5%)Fabric openness factor - 3%Tensile strength (warp / weft) - 160/170 daN/5cmTearing Strength (warp/weft) - 11/13 daNBacking - Aluminium backing Fungi static treatment - Degree 0 Excellent (EN ISO 846-A)Fire retardancy: B-s2,d0/EN 13501-1, class A/ASTM E84.MCGM - R3-CS-FUR-21	131.455	SMT	1650	216900.75	**1641**	**215717.7**	1730	227417.15
ITEM NO 567 Providing and fixing Storage made of 18 mm thk plywood with all external surfaces finished with approved laminate of 1.0 mm thk & all internal surfaces finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish. etc complete. Approved MR Spec. As directed by Engineer-In-Charge	249.09	SMT	18598	4632575.82	**18500**	**4608165.0**	19430	4839818.7
ITEM NO 568 MEDIUM HEIGHT STORAGE Medium Height Steel Storage @ 750Lx450Dx1200HT Providing and fixing Openable Steel Storage of 750 x 450 x 1200Ht, with 2 adjustable shelves, Complete body & shutter made in 0.8 mm thick & Top in 2 mm thick CRCA, 2 Shutter to be mounted with the help of cup hinges, and 4 adjustable levelers, entire storage in powder coated finish	13	NOS	16311	212043	**16224.6**	**210919.8**	17040	221520

with 60 to 80 microns. with 25 mm. thk. as per drawing. SSR 51.36								
ITEM NO.569 FULL HEIGHT STORAGE Full Height Steel Storage @ 750Lx450Dx2100HT Providing and fixing Openable Steel Storage of 750 x 450 x 2100Ht, with 4 adjustable shelves, Complete body & shutter made in 0.8 mm thick & Top in 2 mm thick CRCA, 4 Shutter to be mounted with the help of cup hinges, and 4 adjustable levelers, entire storage in powder coated finish with 60 to 80 microns as as per drawing. SSR 51.37	16	NOS	19977	319632	**19871.25**	**317940.0**	20870	333920
ITEM NO 570 LOCKERS Multiple Compartment Lockers @ 1140Lx 457D x 1830 mm. Ht. Providing and fixing Multiple Compartment Lockers @ 1140Lx 457D x 1830 mm. Ht. with 12 Compartments , Complete body & shutter made of CRCA Sheet with powder coated finish as per approved color. SSR 51.38	47	NOS	45840	2154480	**45598.35**	**2143122.5**	47880	2250360
ITEM NO 571 Providing and fixing Luggage Racks (Size :-1.2 mX .45m) made of 19mm thick ply shutters , finished with approved Veneer on all outer faces complete as per drawings and directions. Cost includes provision of approved hinges, door magnets, handles, etc. as per drawings and specifications. Approved MR Spec. As directed by Engineer-In-Charge.	2.88	SMT	16587	47770.56	**16500**	**47520.0**	17330	49910.4
ITEM NO 572 Providing and fixing Podium with acrylic finish Approved MR Spec. As directed by Engineer-In-Charge	5.4	SMT	26972	145648.8	**26830**	**144882.0**	28180	152172
ITEM NO.573Providing and fixing Wall panelling on wall with 12mm thick commercial BWR plywood / MDF mounted on ply support frame work with laser cutting and backlit With LED Finishing includes covering with approved laminate finish the outside of plywood, Teakwood beading at corners, skirting level and false ceiling level, etc. as per drawing. Approved MRSpec. As directed by Engineer-In-Charge	335.64	SMT	7841	2631753.24	**7800**	**2617992.0**	8190	2748891.6
ITEM NO 574 Providing and fixing Wall panelling on wall with 12mm thick commercial BWR plywood / MDF mounted on ply support frame work with laser cutting and backlit With LED Finishing includes covering with approved	911.812	SMT	9852	8983171.824	**9800**	**8935757.6**	10290	9382545.48

Veneer finish the outside of plywood, Teakwood beading at corners, skirting level and false ceiling level, etc. as per drawing. Approved MR Spec. As directed by Engineer-In-Charge.								
ITEM NO 575 Providing & Fixing in position, Acoustical Panelling made from Fabric wrapped Compressed polyester fibre nonwoven 9 mm panels on, 50 x 50 mm sal-wood frame of 600 x 600 c to c having wooden supports from wall of required length, in front of 1000 gsm synthetic wool 50 mm thick with chicken mesh on wall side, including cost of required Cut-Outs, decorative mouldings / finishing-items / paint & Scaffolding, as per Architectural & Acoustical Design & Instructions & Complete in all aspects including all materials labour,finishing etc complete SSR 51 01/352	1510.787	SMT	4845	7319763.015	**4819.5**	**7281237.9**	5070	7659690.09
ITEM NO 576 PRIVIDING AND FIXING MODULAR ACOUCTICAL WOODEN WALL PANELLING : Of nominal width 100 / 150mm, having 80mm wide panel with 20mm reveal having a thickness of 15mm thickness and length 2400 mm. The panel shall be made of a Moisture resistant fibre board substrate having a minimum density of 595 Kg/m3 with a laminated facing as per the approved shade (Portland Maple, Sea Beech, Siam Wood & Mystique Walnut) and a melamine balancing layer on the reverse side. The panel shall have 0.7mm PVC edge banding along the length side with a similar finish as that of the face. The back of the panel shall have a black acoustic felt to cover the reveal of 20mm to attain an NRC of 0.4 for 150mm. / 0.5 for 100mm. module (Average value of Absorption Co-efficient readings taken at 250 Hz, 500 Hz, 1000 Hz and 2000 Hz) as per ASTM C423. The panels shall provide a Humidity Resistance (RH) of 70% with camber limit less than 1mm/1000mm and bow less than 1mm/300mm. The back of the panels shall be profile-grooved to receive 3600mm special main beam carrier with integrated factory fitted clips for installation.	58.042	SMT	11489	666844.538	**11428.2**	**663315.6**	12000	696504

SUSPENSION. The panels shall be upward mounted on 24 mm wide T - section flanges having rotary stitching along the length of the beam with a web height of 43mm. SSR 53 41								
ITEM NO 577 Providing and applying Wallpaper premium Qulaity Approved MR Spec. As directed by Engineer-In-Charge	228.07	SMT	1659	378368.13	**1650**	**376315.5**	1740	396841.8
ITEM NO 578 Providing and supplying Banquet chairs with cushion of approved color. Complete as per specification provided by engineer incharge Approved MR	639	NOS	3016	1927224	**3000**	**1917000.0**	3150	2012850
ITEM NO 579MID BACK CHAIRProviding and supplying center pivot, revolving, Mid back chair Depth-45cm, width-50cm, height- 105cm to 115cm & seat height- 45cm to 55cm (+/- 2cm) with five legged metal / moulded nylon base with push back arrangement. Chairs shall have high density moulded, 360 revolving on suitable base, gas lift , heavy duty twin wheel castors to take min 80 kg/castor with two - pneumatic height adjustment one piece moulded type polypropylene armrest etc. complete. The chair shall be provided with approved tapestry upto Rs 300/m with necessary beading wherever required. All metal work shall be Epoxy Polyster Powder Coated and as directed by Architect in charge. The over all appearance of the product shall be as per photograph. All metal work shall be Epoxy Polyster Powder Coated and as directed by Architect in charge MCGM R3-CS-FUR-30	64	NOS	12566	804224	**12500**	**800000.0**	13130	840320
ITEM NO 580 HIGH BACK CHAIR Providing and supplying center pivot, revolving, High back chair Depth- 45cm, width- 50cm, height- 121cm to 131cm & seat height 45cm to 55cm (+/- 2cm) with five legged metal /moulded nylon base with push back arrangement Chairs shall have high density moulded, 360 revolving on suitable base, gas lift , heavy duty twin wheel castors to take min 80 kg/castor with two - pneumatic height adjustment one piece moulded type polypropylene armrest etc complete. The chair shall be provided with approved tapestry upto Rs 300/m with necessary beading wherever required. All metal work shall be Epoxy Polyster Powder Coated and as directed by Architect in charge	31	NOS	15582	483042	**15500**	**480500.0**	16280	504680

MCGM R3-CS-FUR-29								
ITEM NO 581 Providing & Arrangemnt of High Back Chair - TILT MECHANISM WITH MULTILOCKING, HIGH DENSITY CUSHION ON SEAT COMPOSITE LEATHER WITH METALLIC SILVER FINISH BASE AND ARMS WITH P.U.CASTORS GASLIFT FOR HEIGHT ADJUSTMENT. SSR 51.41	15	NOS	16334	245010	**16247.7**	**243715.5**	17070	256050
ITEM NO 582 Providing & Arrangemnt of Mid Back, ECO CTS Mechanism , Fixed Armrest , Gaslift for Seat height adjustment, Standard 5-prong P/Nylon Base with Fabric Upholstery SSR 51.43	38	NOS	6882	261516	**6846**	**260148.0**	7190	273220
ITEM NO 583 VISITOR CHAIR Providing and supplying visitor chair having size Depth-62cm, width-55cm, height-80cm & seat height 45 cm. (+/- 2cm), having seat & back, shall be made up of 1.2 cm hot pressed plywood, approved tapestry upto Rs.300/m and mould polyurethane foam with P.V.C. lipping all around etc. complete. The chair shall be provided with two one piece armrest made of polypropylene. The chair shall be supported by cantilever type powder coated tubular frame dia 2.54cm x 14 B.G M.S.E.R.W. tube. All aluminium steel component shall have Epoxy Polyster Powder Coated. The chair shall be Ergonimc Dry film thickness shall be more than 45 Micron. And as directed by Architect in charge. The over all appearance of the product shall be as per photograph. All metal work shall be Epoxy Polyster Powder Coated and as directed by Architect in charge. MDGM - R3-CS-FUR-32	27	NOS	9550	257850	**9500**	**256500.0**	9980	269460
ITEM NO 584 Public Seating Chair. - 3 Seater Providing and Fixing 3 seater Public seating chair made of complete metal with Legs in Crome finish and seates in silver powder coating finish. SSR 51.44	14	NOS	19059	266826	**18958.8**	**265423.2**	19910	278740
ITEM NO 585 Providing and fixing 20 mm thick Laminated sheet board pelmet box 150 to 200 mm wide to doors or window frames including 20 mm dia. Aluminium curtain rod with sockets and finishing with french polishing (without top) etc complete.Spec. As directed by Engineer-In-Charge.SSR:-37.15	20.235	SMT	3349	67767.015	**3331.65**	**67415.9**	3500	70822.5

ITEM NO 586 Providing & fixing in position Stage flooring Made from 18mm plywood 1200 x 2400 & 18mm Teakwood planks 100 x 800 having tongue & grove on Sal-wood frame of 50 x 100 at 600mm c to c on stage surface including cost of required Cut-Outs, decorative mouldings / finishing-items / polish etc , as per Architectural & Acoustical Design & Instructions & Complete in all aspects. including all materials labour,finishing etc complete SSR 51.06/353	73.5	SMT	8671	637318.5	**8625.75**	**633992.6**	9060	665910
ITEM NO 587 RECEPTION TABLE Providing and Supplying Reception table of overall size 1650 X 750 X 750 mm made out of 19 mm thick Marine ply (IS 710 : 2010) top Sides and apron having Top and bottom horizontal patta. The table shall be externally and internally finished with 4mm thick group match veneer pattern with grooves including necessary lipping moadling and hardware 5 mm thick thoughened glass modesty shall be provided with 50 X 30 mm BTC wood frame etc complete. Antitermite treatement to marine ply and all wooden accessories on both sides for full faces before the joineries melamine polish on french polish base coat, hardware as per drawings. etc all complete as per Architects Drawing MCGM R3-CS-FUR-23	14	NOS	40727	570178	**40512**	**567168.0**	42540	595560
ITEM NO 588 Providing and fixing Concierge table (3.30 m x 0.75 m + 3.60 m x 0.75 m) - 0 .60 m width for main counter made of 18 mm thk marine plywood including table top, with drawers, shutters main support, internal supports, table top to have frosted glass partition fixed on wooden supports, all external surfaces finished with approved laminate of 1.0 mm thk & all internal supports finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish etc complete loacation-atrium Approved MR Spec. As directed by Engineer-In-Charge.	12.375	SMT	68159	843467.625	**67800**	**839025.0**	71190	880976.25
ITEM NO 589 LOUNGE SOFA Providing and Placing Lounge Chair are made of steel pipe 30 to 35 mm dia of 16 swg. Frame chrome plated, seat & back made of high density foam covered with tapestry approved by E-I- Charge. (Basic rate Rs. 300/- metre)and having steel								

arms at the side, available in the following option etc. complete. MCGM R3-CS-FUR-16								
3 seater R3-CS-FUR-16-c	4.00	NOS	15,960.00	63840	**15876**	**63504.0**	16670	66680
ITEM NO 590 Providing and fixing Sofa-3 seater with upholstry (office) Approved MR Spec. As directed by Engineer-In-Charge.	5.00	NOS	62,831.00	314155	**62500**	**312500.0**	65630	328150
ITEM NO 591 Providing and fixing Sofa-2 seater with upholstry . Approved MR Spec. As directed by Engineer-In-Charge.	5.00	NOS	32,672.00	163360	**32500**	**162500.0**	34130	170650
ITEM NO 592 Providing and fixing Sofa-1 seater with upholstry Appeoved MR Spec. As directed by Engineer-In-Charge.	5.00	NOS	18,598.00	92990	**18500**	**92500.0**	19430	97150
ITEM NO 593 Providing and fixing Full Height Wooden Partitions-Veneer finish made with MR grade Plywood & partly glazed with 10 mm thk toughned glass, nesesary support frames as directed. Finishing complete in all respects with melamine polish to all surafaces & beads, etc. as shown in the drawings.Approved MRSpec. As directed by Engineer-In-Charge.	60.00	SMT	16,587.00	995220	**16500**	**990000.0**	17330	1039800
ITEM NO 594 DEMOUNTABLE ALUMINIUM GLASS PARTITION - TYPE I Supply and instalaation of Demountable Modular Aluminium Frame Glass Partition, Singlre glazed system compromising of 10mm Toughnend Glass and Aluminium profile Sections of size 75MM x 30MM for fixing at Floor level and at false ceiling level with approximate brackets and expansion bolts of standardised S.S. Finish. All Hardware made of standardised S.S. finish etc. complete. The Profile features and double sided adhesive tape guarantees perfect structural union and sound insulation. Finishes exposed aluminium sections are anodized aluminium finish with 6463 T6 Grade. The Quantity for this item will be the glass panel of height 2100MM only. MCGM R3-CS-FUR-33	109.69	SMT	8294	909768.86	**8250**	**904942.5**	8670	951012.3
ITEM NO 595 Providing & fixing FULL HEIGHT BOTH SIDE LAMINATED PARTITION at required location having height more than 2.8 meter & minimum 77 mm thick made by using 50 x 50 mm (finished size) approved quality seasoned TW section framing	53.78	SMT	7309	393078.02	**7270**	**390980.6**	7640	410879.2

at 600 mm center to center,covered with 12 mm marine ply generally confirming to I.S.303 / I.S.710-1980 on both sides.The partitions shall be finished with 1.5 mm thk approved quality laminate matt/suede/fine line finished lamination pattern with grooves on both sides with necessary lipping (BTC) moulding. Antitermite treatment to plywood and woodwork, door frame including all leads & lifts etc complete as per Architect's Drawing and instructions of Engineer In Charge. MCGM R3-CS-RM-125								
ITEM NO.596 Providing and fixing Partly glazed Sliding folding Partition wooden partition with veneer and melamine polish including mechanism Approved MR	113.627	SMT	18699	2124711.273	**18600**	**2113462.2**	19530	2219135.31
ITEM NO.597 Full Height Partitions in Glass finish - Providing and Fixing 80mm to 85mm thick Full height Double Skin partition up to 3 mtr height with All visible sections in Anodized / Powdercoated finish. Made up of Frames and Tiles. Frame construction In combination of Aluminium Rails and Bottom ,Center and Top members, Connected with 2 way Round Shape Post , 3way Post , 4 way Post made up of Aluminium Extruded and Tiles in 5mm thk. Non Toughened Glass on both side. With all the Joints in the partitions covered with PVC extrusions to provide better sound Proofing. Tiles to be separated 55mm from each other to provide adequate space for drawing cables for electric, data and telephone with proper facility for fixing electrical and data switch plates. as per design and drawing. SSR 52.5/447	51.6	SMT	8333	429982.8	**8288.7**	**427696.9**	8710	449436
ITEM NO.598 Providing and fixing double/single leaf wooden shutter for partly paneled partly glazed door 35mm without ventilator adopting sections and sizes as given in the standard specifications or as per detailed drawing, including fixtures and fastenings and finishing the wood work with veneer/laminate etc. including mouldings complete. (Without frame) Approved MR	47.52	SMT	16587	788214.24	**16500**	**784080.0**	17330	823521.6
ITEM NO.599DRESSING TABLE @400LX 400DX 1800HProviding & Fixing Dressing Table of size 400LX 400DX 1800H.The Dressing table unit is made up of 18mm thick Prelam Particle Board with both side decoratrve	10	NOS	18316	183160	**18219.6**	**182196.0**	19140	191400

laminate. All exposed edges are sealed with 2mm thick PVC edge Banding. The unit has one drawer and one shelf. The dressing table has a mirror of 4mm thick pasted on 18mm thick prelm particle board attached to the base unit. The mirror size considered is 1155 x 360 x 4(t). The mirror has been pasted using high quality 3M sticker SSR - 51.56								
ITEM NO 600 Providing and fixing Dressing Tables (Size :-0.60 m X .45m) with 2 sets of drawer & shutter below, made of 19mm thick ply shutters , finished with approved Veneer on all outer faces complete as per drawings and directions. Cost includes provision of approved hinges, door magnets, handles, etc. as per drawings and specifications. Approved MR Spec. As directed by Engineer-In-Charge.	3.6	SMT	18598	66952.8	**18500**	**66600.0**	19430	69948
ITEM NO 601 WARDROBE WITH MIRROR @ 900LX 600DX 1965H Providing and Fixing Wardrobe with Mirror of size 900LX 600DX 1965H The wardrobe side panels and doors are made up of 18mm thick Prelam Particle Board with both side decorative laminate. All exposed edges are sealed with 2mm thick PVC edge Banding. The shelves are made of 18mm thick Prelam Particle Board with decorative laminate on both sides. The top is made of 36mm prelam particle board with decorative laminate on both sides. (18mm Prelam Particle board and 18mm batons on all sides to achieve 36mm overall thickness). The exposed edges of the top are sealed with 2mm thick PVC edge Banding. The top most part of the wardrobe has an aluminum hanger rod of EBCO make. One drawer of size 400(W) x 150(H) x 450 (D) made of 18mm thick prelam Particle Board has been considered. The drawer will have a multipurpose lock of EBCO premium make. The wardrobe handles are Satin SS finish of 160mm pitch. The wardrobe has a multipurpose lock of EBCO make. All hinges considered are Hettich make. Necessary good quality hardwares have been considered as required. SSR NO - 51.57	12	NOS	42633	511596	**42408.45**	**508901.4**	44530	534360
ITEM NO 602 Providing and fixing Gymnastic Equipment Complete per oylmpic size and standards as per Specification and drawings provided by the Engineer in Charge Approved MR								

Iron Gymnastic Spring Board	3	NOS	69215	207645	**68850**	**206550.0**	72300	216900
Vaulting Table Heavy Duty POWDER COATED Steel Base with anti-skid / non-marking pads for floor protection. Top covered by non-slip fabric with reactive foam for improved rebound. Height adjustable	3	NOS	76001	228003	**75600**	**226800.0**	79380	238140
Vaulting BOX Made of seasoned wood and coated with clear PU	3	NOS	95815	287445	**95310**	**285930.0**	100100	300300
Gym Bench - Classic Made of seasoned wood and coated with clear PU	4	NOS	38407	153628	**38205**	**152820.0**	40120	160480
Gymnastic Parallel Bars Heavy Duty POWDER COATED Steel Base with anti-skid / non-marking pads for floor protection. Connection lock allows 360 degree Swivelling, which prohibits rattling & movement. Bars made of fibreglass covered with wood. Height adjustment	2	NOS	118480	236960	**117855**	**235710.0**	123800	247600
Gymnastic Balance Beams Heavy Duty POWDER COATED Steel Base with anti-skid / non-marking pads for floor protection. Height adjustment. Double lock height adjustment system for safety. Top covered with non-slip fabric	1	NOS	72065	72065	**71685**	**71685.0**	75270	75270
Vaulting HorseHeavy Duty POWDER COATED Steel Base with anti-skid / non-marking pads for floor protection. Top covered by non-slip fabric with reactive foam for improved rebound. Height adjustable	1	NOS	38407	38407	**38205**	**38205.0**	40120	40120
Pommel Horse Legs are made of heavy steel, pommel made of wood and top made of thick cushion covered with non tearing PVC coated fabric. Height is adjustable.	1	NOS	48043	48043	**47790**	**47790.0**	50180	50180
Uneven Bars Heavy Duty POWDER COATED Steel Base with anti-skid / non-marking pads for floor protection. Bars made of fibreglass covered with wood. Lower bar adjusts. Upper bar adjusts from. Includes easy adjustable cables with tensioners	1	NOS	118480	118480	**117855**	**117855.0**	123800	123800
Horizontal Bar Uprights made of Heavy Duty POWDER COATED Steel. Pistons made of Heavy Steel & hot galvanized for longer life. Horizontal bar made of Stainless Steel mounted on column's head. Includes cables. Height adjustable from 175 cm to 285 cm with variation of 5 cm	1	NOS	52793	52793	**52515**	**52515.0**	55150	55150
Trampoline - Etos	1	NOS	183216	183216	**182250**	**182250.0**	191400	191400
Gymntic Ring Twer	1	NOS	128930	128930	**128250**	**128250.0**	134700	134700
Swiss Ball	1	NOS	6786	6786	**6750**	**6750.0**	7090	7090
BARBELLS WITH various WEIGHT	1	NOS	135716	135716	**135000**	**135000.0**	141800	141800
CLIMBING ROPES (WHITE JUTE)	1	NOS	13572	13572	**13500**	**13500.0**	14180	14180

Wall Bar	1	NOS	61072	61072	**60750**	**60750.0**	63790	63790
Gymnastic Mat Foldable 2-3"	2	NOS	33929	67858	**33750**	**67500.0**	35440	70880
Balance Beam Safety Wrap	2	NOS	40715	81430	**40500**	**81000.0**	42530	85060
COLUMN & CORNER PAD	20	NOS	10857	217140	**10800**	**216000.0**	11340	226800
NON-FOLDING COMPETITION LANDING MAT	3	NOS	84144	252432	**83700**	**251100.0**	87890	263670
Tumbl Trak Gymnastic	1	NOS	20357	20357	**20250**	**20250.0**	21270	21270
Resi-Pit	1	NOS	16286	16286	**16200**	**16200.0**	17010	17010
3/4 SECTION TRAPEZOID TRAINER	1	NOS	17643	17643	**17550**	**17550.0**	18430	18430
ITEM NO.603 DINING CHAIR Providing and fixing SS (IS 6911:1992) grade of steel 304 Dinning chirs for dining Hall and dining Room area as per the drawing or approved size and shape including all lead lift shifting to work location etc. complete. MCGM R3-CS-FUR-25	51	NOS	8643	440793	**8597**	**438447.0**	9030	460530
ITEM NO.604 DINING TABLE Providing and Fixing Dining table of Overall S.S (IS 6911:1992),grade of steel 304, Thickness of the table is 40 mm Structure top to be Of s.s 18 SWG 304,Grit. Under Structure to be Vertical poles of 50 mm Dia (16 gauge 304 grade) and top and Bottomsupporting frame Structure to be 50 x 50 mm Square tube etc. complete. Glide shall be of Plastic fixed at the under structure to prevent the damage of table top during stacking. Legs shall be of SS and 38 mm dia (16 gauge 304 grades). pipe legs are fixed with under structure and table top etc. complete. MCGM R3-CS-FUR-24								
6 SEATER 1800 X 1000 X 750 MCGM R3-CS-FUR-24-b	12	NOS	45239	542868	**45000**	**540000.0**	47250	567000
ITEM NO.605 FOR KITCHEN PLATFORM Providing and constructing granite Kitchen platform with fixing of stainless steel sink 600 mm x 450 mm size as per detailed drawing including vertical both side polished kadappah stone 25 to 30 mm thick supports with kadappah top 35 to 40 mm thick and polished granite 16 to 20 mm top with side strips of granite at front and both sides of platform raised with two vertical granite supports 15 cm height and top granite of 75 x 40 cm including cutting, opening for sink of required size in kadappah as well as granite etc. complete.(Platform top size 1.5 m x 0.60 m and height is 0.75 m) Spec. As directed by Engineer-In-Charge. SSR- 41.78	11.52	SMT	10373	119496.96	**10318.35**	**118867.4**	10840	124876.8

ITEM NO 606 KITCHEN TROLLEYProviding and Fixing stainless steel kitchen trolley of overall 26 " height and 22" depth,supported on aluminium pipes ,trolley basket made out of 5 mm stainless steel rod fitted on telescopic chantel of size 1.5 " x 20 " x 22 " on both sides of trolley of 12 " or above size, panel having 40Kilogramload bearing capacity of trolley made out of 20 mm PUC coated plywood and colour combination as directed by E-I-C.Inner side of panel covered by white mica ,100 mm s.s. decorative handle (The width and height of individual compartments shall be kept as directed by Engineer-in-charge)SSR 51 59	26.76	RMT	17021	455481.96	**16931.25**	**453080.3**	17780	475792.8
ITEM NO 607 WORKSTATION TABLE TOP (OFFICE) Providing table top of required size fixed at a standard table top height of upto750mm min (including table top thickness). Table top shall be made of 25mm thick Marine ply (IS 710 : 2010) , FIRE RETARDENT laminate on unexposed face. All edges of the work surface shall be provided with machine pressed PVC edge banding of 2mm thickness etc. complete. Table top to be principally mounted from the partition frame with suitable MS powder coated brackets which should be integrated into the partition frame etc. complete. Execution of this item should be make as per the instructions of Achitect in Charge.								
Accessories Key Board Tray - Size: - Width: 600mm, Depth: 270, Height: 70mm keyboard pullout tray made up of durable ABS (Acrylonitrile Butadiene Stytene) material provide with sliding telescopic channels. The tray hanged below the top by steel MS brackets. Finish: All steel components should be epoxy powder coated after seven tanks anti corrosion pre-treatment of surface. ABS wire managers to be provided where required for the table top. CPU Trolley: Size: - Width: 180mm Depth: 245mm, Height: 210mm Made up of press formed MS CR sheet Finish provision for height & width adjustment. All steel components should be epoxy powder coated after seven tanks anti corrosion pretreatment of surface. (Coating thickness 50 to 60 micron) MCGM R3-CS-FUR-06								

1200 X 600 MCGM R3-CS-FUR-06-a	14	NOS	6080	85120	**6048**	**84672.0**	6360	89040
ITEM NO.608 SECONDARY WORK TABLE TOP (OFFICE) Providing and supplying secondary work table top of required size with top made of 8mm thick bevelled glass and under structure made of 18mm thick Marine ply (IS 710 : 2010) with all exposed edge are finished with 2mm thick machine pressed PVC edge banding in matching colour (Rehau Make/or Equivalent) for better impact resistance etc. complete. Nylon button stopper to hold glass top in position, Nylon bushers etc. complete. MCGM R3-CS-FUR-12	4	NOS	2823	11292	**2808**	**11232.0**	2950	11800
900 x 500 R3-CS-FUR-12-a								
ITEM NO.609 Executive Table @ 2250Lx2100Dx750HT including Low Height Credestal @ 1200Lx450Dx650HT Providing & Fixing of Table @ 2250Lx2100Dx750HT TOP & GABLE END to be made of Membrane finish with soft water fall edges & curved panel & Decorated Anodized section MODESTY PANEL to be made of 18 mm thick Prelaminated particle board with PVC edge band. INCLUDING CREDESTAL @ 1200L X 450D X 650H :- To be made out of Membrane Finish (2 Openable Shutter & 3 Drawer Pedestal in between) as per drawing. SSR 51 24	6	NOS	45004	270024	**44766.75**	**268600.5**	47010	282060
ITEM NO.610EXECUTIVE OFFICE TABLEProviding and fixing of Modular table with fixed pedestal having 2 book drawers and 1 file drawer. Table top shall be made of 25mm thick Marine ply (IS 710 : 2010) , FIRE RETARDENT laminate on all sides / surfaces. Sides in 25mm Marine ply (IS 710 : 2010). All boards components like top, sides etc. are finished with 2mm thick machine pressed PVC edge banding in matching colour. (Rehau Make/or Equivalent) for better impact resistance. Other components like modesty panels of 600mm height (apron) shall be made of 18mm thick Marine ply (IS 710 : 2010) in approved colour and shade as per pre-approved sample etc.complete.								
Fixed Pedestal Unit Width of drawer unit shall be of standard size of 450mm. Drawer tray shall of 18 mm thk Commercial Plywood (IS 303 : 1989) completely (bottom included) of size suitable to accommodate telescopic glides for smooth								

operation All visible edges of drawer trays shall have 2mm thk edge banding to match the colour of the fascia. Inside edge of trays shall have 0.8mm thk PVC edge banding to match the colour of the tray. Front Central lock to be provided for locking all drawers. Aluminium furniture feet – Round tube, diameter 40 mm with 10 mm height adjustable with steel mounting plate with suitable finish to match handles, 'C' Shape SS Brush finished handles as indicated in the drawing, suitable locking etc. complete.								
Accessories Key Board Tray -Size: - Width: 600mm, Depth: 270, Height: 70mm keyboard pullout tray made up of durable ABS (Acrylonitrile Butadiene Styrene) material provided with sliding telescopic channels. The tray hanged below the top by steel MS brackets. Finish: All steel components should be epoxy powder coated with seven tanks anti corrosion pre-treatment of surface. ABS wire managers to be provided wherever required for the table top.								
CPU Trolley. Size: - Width: 180mm Depth: 245mm, Height: 210mm Made up of press formed MS CR sheet Finish: provision for height & width adjustment. All steel components should be epoxy powder coated with seven tanks anti corrosion pretreatment of surface. (Coating thickness 50 to 60 micron). MCGM R3-CS-FUR-04								
2400 X 1050 X 750 R3-CS-FUR-04-k	2	NOS	37521	75042	**37323**	**74646.0**	39190	78380
ITEM NO 611 Conference Table @ 3600Lx1400Dx750HT Providing & Fixing of Main Table @ 3600Lx1400Dx750HT - made up of 18+18mm Thick MDF top with PVC Membrane finish and waterfall edge profile Aluminium Anodized finish beeding of 4mm thich is running all over the table top edge. Gable ends is Aerofoiled Shape with front edges in PVC Membrane finish and rest in Prelaminated MDF with batton structure. Gable ends should be hollow from inside for the provision of passing electrical and Data wiring. , MODESTY PANEL - to be made of 18 mm thick Prelaminated particle board with PVC edge band Access Flap - For Wire manager 2 Nos SSR 51 31	6	NOS	104612	627672	**104060.25**	**624361.5**	109300	655800

ITEM NO 612 CONFERENCE TABLEDISCUSSION TABLE Providing and fixing of Modular table of required size. Table top shall be made of 25mm thick Marine ply (IS 710 : 2010) , FIRE RETARDENT laminate on all sides / surfaces. Sides in 25mm Commercial Plywood (IS 303 : 1989) . All boards components like top, sides etc. are finished with 2mm thick machine pressed PVC edge banding in matchingcolour. (Rehau Make/or Equivalent) for better impact resistance. Double modesty panel height max 450mm of 18mm Marine ply (IS 710 : 2010) in approved colour and shade as per pre-approved sample. Modesty panels to be separated by min 50mm clear gap between and cut-outs etc. to make to accommodate electrical/data switches/sockets where indicated. Cables from floor to the modestypanel should be concealed / fixed along with the table verticalsupports etc. complete. Adjustable levellers to be provided to supports.MCGM R3-CS-FUR-09	3	NOS	14250	42750	**14175**	**42525.0**	14890	44670
1200 x 900 x 750 R3-CS-FUR-09-a								
ITEM NO 613 SINGLE BED Single Bed @ 2025LX 1000DX 650H Providing and fixing Single Bed of Size 2025Lx1000Dx650H with matress and pillow. Understructure: - The legs are made of Square tube of size 25 x 25mm made out of MS with a thickness of 1.2 mm. The legs should have corner brackets welded to it at two levels. The corner brackets are made of 2mm thick CRCA having a L shaped structure to join the side panels and headboard to the leg. Three nos. of Horizontal stiffeners are provided at equal intervals. The stiffeners are made of Square tube of size 25 x 25mm made out of MS with a thickness of 1.2mm. The middle Horizontal Stiffener has a leg attached to it to transfer the load to the ground and add to the strength and stability of the complete structure. This leg is also made of Square tube of size 25 x 25mm made out of MS with a thickness of 1.2mm. All Metal components to undergo 7 tank treatment process and should be powder coated to the thickness of minimum 50 Microns DFT.Side Panel: - The side panels are made up of 18mm thick Prelam Particle Board with both side								

decorative laminate. All exposed edges are sealed with 2mm thick PVC edge Banding. The overall width of the side panel is 150mm.								
The side panels have 18mm thick prelam particle board Baton running for required length to add rigidity to the structure. Head Board :- The head board is made up of 18mm thick Prelam Particle Board with both side decorative laminate. All exposed edges are sealed with 2mm thick PVC edge Banding. The head board size to be considered as 1000 x 650mm. Foot Board :- The foot board is made up of 18mm thick Prelam Particle Board with both side decorative laminate. All exposed edges are sealed with 2mm thick PVC edge Banding. The head board size to be considered as 1000 x 450mm.								
Bed Base :- The Bed Base is made up of 12mm thick Prelam Particle Board with both side White laminate SSR 51.55	8	NOS	20443	163544	**20335.35**	**162682.8**	21360	170880
ITEM NO.614 Providing and supplying Single bed (size- 1.95 m x 0.90 m) - made of 18 mm thk plywood including top all surfaces finished with approved laminate of 1.0 mm thk as shown in the drawings. Approved MR Spec. As directed by Engineer-In-Charge.	2	NOS	29656	59312	**29500**	**59000.0**	30980	61960
ITEM NO.615 Providing and installation of square/Circular shape crystal golden/Silver finish TYPE 1 ceiling mount and flush mount chandelier/ LED Chandelier, including fixtures, fittings & scaffolding complete as per specication provided by engineer incharge Approved MR	10	NOS	60318	603180	**60000**	**600000.0**	63000	630000
ITEM NO.616 Providing and installation of square/Circular shape crystal golden/Silver finish TYPE 2 ceiling mount and flush mount chandelier/ LED Chandelier, including fixtures, fittings & scaffolding complete as per specication provided by engineer incharge.Approved MR	5	NOS	120636	603180	**120000**	**600000.0**	126000	630000
ITEM NO.617 Providing and installation of square/Circular shape crystal golden/Silver finish TYPE 3 ceiling mount and flush mount	2	NOS	351855	703710	**350000**	**700000.0**	367500	735000

chandelier/ LED Chandelier, including fixtures, fittings & scaffolding complete as per specication provided by engineer incharge Approved MR								
ITEM NO 618 Providing and fixing Mirror Panelling with 12mm thick commercial BWR plywood / MDF mounted on ply support frame work. Finished with veneer Border frame and melamine polish. Teakwood beading at corners, skirting level and false ceiling level, etc. as per drawing. Basic cost of veneer Rs. 135/- per sq.ft. Spec. As directed by Engineer-In-Charge. Approved MR	326.025	SMT	5630	1835520.75	**5600**	**1825740.0**	5880	1917027
ITEM NO 619 Stainless steel nameplate : Providing and Fixing the 150mmx50mm Stainless steel nameplate as per specification provided by engineer incharge. Approved MR	15	NOS	276	4140	**275**	**4125.0**	290	4350
ITEM NO 620 Supply and installation of digital projector having Full HD 1080p resolution with White and Colour Brightness at range of 3000-4000lm,HDMI port, USB port, AV port, computer port with spring loaded white screen connected with necessary copper mains, required switchgears. complete as per specification provided by engineer in charge. Approved MR	3	NOS	180954	542862	**180000**	**540000.0**	189000	567000
ITEM NO 621 Supply and installation of 7000 Lumens Smart 4K UHD HDR Laser Projector, With 3M:1 contrast ratio, With 8.3 mega pixels utilizing 4K UHD (3840 x 2160) resolution, 7,000 ANSI Lumens Brightness. USB port, AV port, computer port with spring loaded white screen connected with necessary copper mains, required switchgears. complete as per specification provided by engineer in charge. Approved MR	3	NOS	814293	2442879	**810000**	**2430000.0**	851000	2553000
ITEM NO 622 Providing & Fixing in position, Carpet more than 800+ gsm, made with 100% stain proof fibres of approved make along with 5mm underlay as per Architectural & Acoustical Design & Instructions & Complete in all aspects including all materials labour, finishing etc complete SSR 51 13/354	1193.48	SMT	1531	1827217.88	**1522.5**	**1817073.3**	1600	1909568
ITEM NO.623 Providing & Fixing Rod (2meter length) & Accessories for Carpet on Steps including brass finish, etc. as per	50	NOS	1206	60300	**1200**	**60000.0**	1260	63000

architect's instructions Approved MR Spec. As directed by Engineer-In-Charge								
ITEM NO.624 Providing and fixing Studio table (3.05 m x 0.90m)made of 18 mm thk plywood including table top, Side credenza with two drawers, two shutters main support, internal supports, all external surfaces finished with approved laminate of 1.0 mm thk & all internal supports finished with white/offwhite laminate 0.8 mm thk. All wooden surfaces finished with melamine polish etc complete. Approved MR Spec. As directed by Engineer-In-Charge.	2.2875	SMT	24077	55076.1375	**23950**	**54785.6**	25150	57530.625
ITEM NO.625 Providing & Supplying Audio Console Rack - (Size-0.60 m x 1.80 m) Approved MR Spec. As directed by Engineer-In-Charge.	2	NOS	23625	47250	**23500**	**47000.0**	24680	49360
ITEM NO.626Providing and supplying Cafe table (Square shape) - with laminate finish.(table size -out of 0.90 m x 0.90 m) All wooden surfaces finished with melamine polish with moulding finish.location -Kitchen & CafeApproved MRSpec. As directed by Engineer-In-Charge.	10	NOS	26640	266400	**26500**	**265000.0**	27830	278300
ITEM NO.627 Providing and supplying standard Bench seating (size - out of 3.00m x 0.60 m) as shown in the drawings location -Kitchen & Cafe Approved MR Spec. As directed by Engineer-In-Charge	10	NOS	33678	336780	**33500**	**335000.0**	35180	351800
ITEM NO.628 Providing and supplying standard High bench seating (size - out of 11.30 m x 0.60 m) as shown in the drawings.location -Kitchen & Cafe Approved MR Spec. As directed by Engineer-In-Charge.	30	SMT	16889	506670	**16800**	**504000.0**	17640	529200
ITEM NO.629 Providing and supplying Center table - type 01 Table Top with Toughened Glass & Metal Legs with natural wooden polish Approved MR Spec. As directed by Engineer-In-Charge.	8	NOS	12868	102944	**12800**	**102400.0**	13440	107520
ITEM NO.630 Providing and supplying Center table - (Square / Round shape) - with laminate finish (table size -out of 1.20 m x 1.20 m) All wooden surfaces finished with melamine polish with moulding finish. Approved MR Spec. As directed by Engineer-In-Charge.	8	NOS	17593	140744	**17500**	**140000.0**	18380	147040

ITEM NO: 631 Providing and supplying Corner table Top with Toughened Glass & Metal Legs with natural wooden polish Approved MR Spec. As directed by Engineer-In-Charge	5	NOS	13572	67860	**13500**	**67500.0**	14180	70900
ITEM NO: 632 BUNK BED Providing and positioning bunk bed made out of approved colour, powder coated, M.S. (IS 513:2008) pipe frame and angle supports. Two end frames shall be made out of 16 guage and 40 mm dia M.S pipes as vertical supports and 16 guage 25 mm dia M.S pipes along with 40 x 40 x 6 mm M.S angle lateral frame to recieve 12mm thk marine grade ply base for 100 mm thk ,100 density coir mattress etc. complete. Edges of the base ply shall be sealed with 6mm thk T.W lipping. Two nos of 25 mm dia 16 guage pipe supports shall be provided to support both the base ply and ladder and with necessary Nylon bushers for pipe ends touching to floor and with approved colour powder coating and complete as per the instructions of the Architect or Engineer in charge. Note. This item shall be made in knock down type of arrangement. MCGM R3-CS-FUR-27	6	NOS	66368	398208	**66018**	**396108.0**	69320	415920
ITEM NO 633L - SHAPE WORKSTATION TABLE TOP WITH ONE GABLE ENDSUPPORTProviding table top of required size fixed at a standard table top height of upto750mm min (including table top thickness). Table top shall be made of 25mm thick Marine ply (IS 710 : 2010), FIRE RETARDENT laminate on all sides/ surfaces. All edges of the work surface shall be provided withmachine pressed PVC edge banding of 2mm thickness etc complete. Table top to be principally mounted from the partition frame with suitable MS powder coated brackets which should be integrated into the partition frame. Gable End Supports of approved profile and design between tables consisting of 18mm Marine ply (IS 710 : 2010)panels duly edge bound (to be integrated with the partition.Adjustable levellers to be provided to supports.) etc. complete.								
Accessories Key Board Tray - Size: - Width: 600mm, Depth: 270, Height: 70mm keyboard pullout tray made up of durable ABS (Acrylonitrile Butadiene Styrene) material								

provide with sliding telescopic channels. The tray hanged below the top by steel MS brackets. Finish: All steel components should be epoxy powder coated after seven tanks anti corrosion pre-treatment of surface. ABS wire managers to be provided where required for the table top. CPU Trolley: Size: - Width: 180mm Depth: 245mm, Height: 210mm Made up of press formed MS CR sheet Finish provision for height & width adjustment. All steel components should be epoxy powder coated after seven tanks anti corrosion pre-treatment of surface. (Coating thickness 50 to 60 micron) MCGM R3-CS-FUR-07								
1500 X 600 & side 900 x 600 MCGM R3-CS-FUR-07-b	5	NOS	13680	68400	**13608**	**68040.0**	14290	71450
ITEM NO 634 CHANNELLED WALL PANELLING CHANNELLED WALL PANELLING OF SIZE: 192X2400X15MM Providing and Fixing Channelled perforated panels of width 192mm, thickness of 15mm and length 2400 mm, made of a Moisture resistant fibre board substrate with a laminated facing as per the approved shade (Portland Maple, Sea Beech, Siam Wood & Mystique Walnut, Interior White, Alumina Pearl) and a melamine balancing layer on the reverse side. The boards shall have a special perforation pattern where the reverse surface has a "Helmholtz" fluted perforation with consecutive 3mm wide groove followed by 13mm or 21mm of visible pane (G-13/ G-21). The edges of the panel shall be "tongue-and- grooved" to fix special clips for installation and seamless visual. The back of the perforated panel shall have sound absorbing non-woven Soundtex acoustical fleece hot pressed to achieve NRC of 0.5 for G-21 and 0.6 for G-13. (Average value of Absorption Co-efficient readings taken at 250 Hz, 500 Hz, 1000 Hz and 2000 Hz) as per ASTM C423 and Humidity Resistance (RH) of 70% with camber limit less than 1mm/1000mm and bow less than 1mm/300mOne Metric Tonnche panels shall be mounted on special aluminium splines (keel) using inside clips provided by Manufacturer and approved by the Architect/ Engineer-in-Charge.								
Installation: An appropriate vapour barrier (by others) shall be applied/installed on the vertical surface before the	28.29	SMT	5279	149342.91	**5251.05**	**148552.2**	5520	156160.8

installation to properly seal against entry of any moisture. Vapour barrier (by others) shall be installed as per Manufacturer's recommendation. Install wooden batten grid (provided by others) of section 50x50mm or as approved by the Architect on the solid wall/partition to provide level and plumb surface for fixing Keel. Install Keel vertically using screws and plugs at spacing of not more than 600mm centre- to-centre. The first and last keel should not be more than 150mm from the ends. Trim the tongue of the first bottom panel and install using headless nail with groove side upward. Subsequent panels are installed with tongue side downward by engaging with each other using tongue and groove mechanism and secured by inside clip. Continue this process until required height is achieved. Shorter butt edges need to be joined using industrial/wood glue. The keel shall also be used for transition of the butt end of adjacent panel at every 7.2m. Install the Skirting (provided by others) of width 50mm or more as required by the Architect/ Engineer-in-Charge. Finish off the edges using wooden moulding of matching colour (by others). Installation should be carried out as per Manufacturer recommended procedure.SSR 51.233								
ITEM NO 635 CABIN SOFA Providing and supplying wooden sofa made with minimum 19mm.Marine ply (IS 710 : 2010) structure and internal frame work made of C.P. teak / Maranti wood seat made with minimum 19mm. Marine ply (IS 710 : 2010) and cushion made with foam of 150mm thick - 32 density on seat covered with 14mm thick - 18 density foam. Back made with wooden frame of minimum 50mm X 40mm with 4 mm. ply and covered with foam of 100mm thick - 32 densities covered with 14mm thick - 18 density foam for back extra support to the shape all foam of seat and back covered with tapestry approved by E-I-Charge. (Basic rate Rs. 450/- metre.) Handle made with wooden frame with box of 12mm. ply covered with 14mm thick - 18 density foam with tapestry etc. complete. MCGM R3-CS-FUR-17								

3 seater R3-CS-FUR-17-c	1	NOS	53200	53200	**52920**	**52920.0**	55570	55570
1 seater R3-CS-FUR-17-a	1	NOS	18050	18050	**17955**	**17955.0**	18860	18860
ITEM NO 636 SIDE / BACK CREDENZA (750mm) Providing and supplying Modular Side/Back Credenza made up of required size. Top made of 25mm Marine ply (IS 710 : 2010), having post formed decorative laminate of 0.8mm on top and FIRE RETARDENT laminate on all sides / surfaces. Sides, Sides in 25mm thk Marine ply (IS 710 : 2010). Adjustable shelf made in 25mm thk Marine ply (IS 710 : 2010) placed on standard shelf pins. Storage Back made of 9mm thick Marine ply (IS 710 : 2010) etc. complete. Sides, Shutters, Bottom, adjustable shelf, finished 2mm thick machine pressed PVC Edge banding of required size etc. Hardware set to include 110 degree opening self- closing box hinges, Counter Sunk screw, S S Brush Finished, Handles L' Clips Selves support. Multipurpose lock, Levelling Bolt with inserts etc. complete Aluminium furniture feet – Round tube, diameter 40 mm with 100 mm height with suitable finish to match handles" Shape SS Brush finished handles as indicated in the drawing provided by architect,suitable locking provision. Execution of this item should be make as per the instructions of Achitect in Charge. MCGM R3-CS-FUR-13								
1200 x 500 x 750 R3-CS-FUR-13-b	4	NOS	13300	53200	**13230**	**52920.0**	13900	55600
ITE M NO 637STAFF OFFICE TABLEProviding and fixing of Modular table of required size. Table top shall be made of 25mm thick Marine ply (IS 710 : 2010), FIRE RETARDENT laminate on all sides / surfaces. Sides in 25mm Marine ply (IS 710 : 2010). All boards components like top, sides etc. are finished with 2mm thick machine pressed PVC edge banding in matching colour. (Rehau Make/or Equivalent) for better impact resistance. Other components like modesty panels of 600mm height (apron) shall be made of 18mm thick Marine ply (IS 710 : 2010) in approved colour and shade as per pre-approved sample etc. complete.								
Accessories Key Board Tray -Size: - Width: 600mm, Depth: 270, Height: 70mm keyboard								

pullout tray made up of durable ABS (Acrylonitrile Butadiene Styrene) material provided with sliding telescopic channels. The tray hanged below the top by steel by MS Brackets. Finish. All steel components should be epoxy powder coated with seven tanks anti corrosion pre-treatment of surface. ABS wire managers to be provided wherever required for table top. CPU Trolley : - Width: 180mm Depth: 245 mm, Height: 210mm Made up of press formed MS CR sheet Finish provision for height & width adjustment. All steel components should be epoxy powder coated with seven tanks anti corrosion pre-treatment of surface. (Coating thickness 50 to 60 micron). MCGM R3-CS-FUR-01								
1500 x 750 x 750 R3-CS-FUR-01-f	2	NOS	20263	40526	**20156**	**40312.0**	21170	42340
ITEM NO 638 Float glass sheet of nominal thickness 5mm. MCGM MA-BLD-AW-8	5.85	SMT	974	5697.9	**968.76**	**5667.2**	1020	5967
ITEM NO 639 COMPUTER TRAINING TABLE Providing and fixing of Modular table of required size. Table top shall be made of 25mm Marine ply (IS 710 : 2010) , FIRE RETARDENT laminate on all sides / surfaces. Sides in 25mm Marine ply (IS 710 : 2010). All boards components like top, sides etc. are finished with 2mm thick machine pressed PVC edge banding in matching colour. (Rehau Make/or Equivalent) for better impact resistance. Other components like modesty panels of 600mm height (apron) shall be made of 18mm thick Marine ply (IS 710 : 2010) in approved colour and shade as per pre-approved sample etc. complete.								
Accessories Key Board Tray - 2 Nos. Size: - Width: 600mm, Depth: 270, Height: 70mm keyboard pullout tray made up of durable ABS (Acrylonitrile Butadiene Styrene) material provide with sliding telescopic channels. The tray hanged below the top by steel MS brackets. Finish. All steel components should be epoxy powder coated after seven tanks anti corrosion pre-treatment of surface. ABS wire managers to be provided where required for the table top. CPU Trolley: 2 Nos. Size: - Width: 180mm Depth: 245mm, Height: 210mm Made up of press formed MS CR sheet. Finish provision for height &								

width adjustment. All steel components should be epoxy powder coated with seven tanks anti corrosion pre-treatment of surface. (Coating thickness 50 to 60 micron).								
1200 x 600 x 750 R3-CS-FUR-03-a	28	NOS	11400	319200	**11340**	**317520.0**	11910	333480
ITEM NO.640 Providing and fixing 80mm thk. Glass bricks of approved make, size and type in glass block adhesive including filling joints with glass block grout, cleaning etc. complete as directed by Engineer in charge. MCGM R3-CS-FL-19	12	SMT	2287	27444	**2275**	**27300.0**	2390	28680
ITEM NO. 641NATURAL BAMBOO WALL PANELLING FOR CASH COUNTERProviding & fixing of Wooden Grill panel with backer made of natural bamboo with 24mm Face black exposed grid. The Grill panels shall be made of rapidly renewable natural bamboo core having density 600+Kgs/m3 as per BS EN323 (1993) and bending strength of 96+ N/mm2 as per BS EN310 (1993). The Grill panel shall have a seven layer UV coating of thickness 0.09- 0.11mm as per BS EN71 finished to natural or carbonized shades. The Grill panel shall be of nominal size 35x300x2400mm comprising 8 blades/slats of 35x16x2376mm with centre to centre spacing of 37.5mm fixed through Backer of size 12x22x300mm having centre to centre spacing of 300mm and additional end backers at 150mm from both the edges. The Grill panel shall have a fire performance of Class A according to ASTM-E84. The Grill panel shall have moisture content of 8-14% as per IS 1708 (Part 1):1986 and a Humidity Resistance (RH) of 70% SSR 53.45	3	SMT	19793	59379	**19688.55**	**59065.7**	20680	62040
ITEM NO.642 TOUGHNED FIXED GLASS Providing and fixing 12mm thk toughened etched glass as per the design, as per the design. Glass to be fixed at top & bottom in heavy guage aluminium 'c ' channel concealed in floor & boxing. Cost to be inclusive of silicon sealant to the periphery of the glass as directed. MCGM R3-CS-AW-19	61.78	SMT	1698	104902.44	**1689**	**104346.4**	1780	109968.4
ITEM NO.643 SS ROD FOR BACKREST AT VIEWING SEATING AREA Providing, detailing, and fabricating as per specifications, transporting to site and erecting ladder / railing using	132	KG	623	82236	**620**	**81840.0**	660	87120

stainless steel hollow pipes of grade 304 including, S.S. fixtures and fastenings, cleats, stiffeners, gussets etc. and all necessary operations straightening, bending, like cutting, drilling, welding, grinding and removing the welding burr, machining if specified, finishing, cleaning etc. complete as directed by Engineer In Charge. MCGM - R3-CS-SS-23								
ITEM NO. 644 FROSTED GLASS FILM FOR GLAZING WINDOW Providing &Fixing frosted film manufactured by 3 M approved equivalent on glass partition wherever required as per the instruction of Architect. MCGM R3-CS-RM-137	695.52	SMT	1306	908349.12	**1299**	**903480.5**	1370	952862.4
ITEM NO. 645 WOODEN DIAS WOODEN DIAS : Providing and fixing Wooden Dias of size 600 x 600 x 1420 mm height in as per the detail specification given below. Top size (600 x 600 mm) side (600 x 1420 mm), front side (600 x 1420 mm) made up in 19 mm thick Marine Plywood (IS 710 : 2010) of requisite manufacturer's viz. Green / Anchor / Century or equivalent approved make including necessary facias etc. with necessary lipping (BTC), mouldings as required including cutting, fixing, finished with 1 mm thick laminate of approved make ,type , colour and shade of glossy / Matt / Suede / Fine / Line / Wood grain finished lamination pattern with / without grooves as required to exposed surface and edges and the internal / hidden surface shall be finished with 0.80 mm thick laminate of approved make. Area other than laminated surfaces shall be finished with two coats of French polish of approved shade. Antitermite treatment to plywood and woodwork with ten years guarantee bond etc. including all leads lifts etc. complete as per the instructions of the Architect & Engineer-in-charge. MCGM R3-CS-FUR-26	1	NOS	13013	13013	**12944**	**12944.0**	13600	13600

वरील कामी **मे. गजानन कंस्ट्रक्शन यांनी रु.40,12,86,923/- (अंदाजपत्रकिय दराची)** निविदा सादर केली आहे. मा.आयुक्त महोदय यांनी सदरचे दर स्विकारण्यास मान्यता दिलेली आहे. महाराष्ट्र शासन, शासन निर्णय क्रमांक :- मनपा-2024/प्र.क्र.221/नवि-16 (ई-815728)दि.05सप्टेंबर 2024 अन्वये सदर कामास तत्वत: मान्यता देऊन सदर कामासाठी रु.2.00 कोटी रक्कम मंजुर केल्याने रु.2.00 कोटीच्या मर्यादेत काम करणे आवश्यक आहे.

पुढील काम टप्प्याटप्प्याने निधी मंजुर झाल्यानंतर करावयाचे आहे. त्यानुसार निधी उपलब्धतेप्रमाणे टप्प्याटप्प्याने कार्यादेश देण्यात येतील.

नगरविकास विभाग, शासन आदेश क्रमांक एमसीओ-2020/प्र.क्र.71 (भाग-2)/नवि-14 दि.26 ऑगस्ट 2022 अन्वये महाराष्ट्र महानगरपालिका अधिनियम तरतुद व विशेषत: कलम 452 अ च्या (1 अ) व (1 ब) मधील तरतुदीनुसार मा.आयुक्त यांची प्रशासक पदी नियुक्ती करण्यात आली असुन त्यांना अधिनियमातील सर्व अधिकार प्राप्त झाले आहेत. सदर अधिकारात वरील 01 कामांस महाराष्ट्र महानगरपालिका अधिनियम मधील कलम 73 (क) नुसार प्रशासकीय ठरावाव्दारे मान्यता देण्याचा प्रस्ताव प्रशासनाने सादर केला आहे.

वरील कामाबाबतची पुढील कार्यवाही नियमानुसार संबधित विभागाने विहित पध्दतीने करावी.

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

(संजय काटकर, भापसे)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका

प्रत बांधकाम विभागाकडे योग्य त्या कार्यवाहीसाठी रवाना

PC 4/24-25/DA/PT 47

मिरा भाईंदर महानगरपालिका

शिक्षण विभाग

सभा दि.५/२/२०२५

// गोषवारा //

४२६

विषय :- मनपा क्रीडा विभाग अंतर्गत् कार्यरत क्रीडा शिक्षक यांना ०६ महिन्या करिता मुदतवाढ देणेबाबत मा. प्रशासकीय सभेची मंजुरी मिळणेबाबत.

संदर्भ :- मा. आयुक्त सो. यांची दि. २५/०१/२०२५ रोजी क्रीडा विभाग अंतर्गत् कार्यरत क्रीडा शिक्षक यांना ०६ महिन्या करिता मुदतवाढ देण्यास मंजुरी

मिरा भाईंदर महानगरपालिकेच्या शिक्षण क्रीडा विभागाकरीता ठोक मानधनावर क्रीडा शिक्षक या पदासाठी ०६ महिन्याकरीता मा. प्रशासकीय समिती सभेने दि. ०४/१०/२०२४ रोजी ठराव क्र. २०२ अन्वये ०५ क्रीडा शिक्षक यांना मुदतवाढ देण्याबाबतचा ठराव पारीत करण्यात आलेला होता. सदर ठराव मंजुरीच्या अधिन राहून शिक्षण विभागाकडून कार्यवाही करण्यात आली होती. परंतु सदरची मुदतवाढ संपुष्टात आल्याने खालील नमूद केलेल्या तक्त्यानुसार मुदतवाढ देण्याबाबत कार्यवाही प्रस्तावित करण्यात आलेली आहे.

अ क्र	क्रीडा शिक्षकचे नाव	पदनाम	एकूण वेतन	नियुक्ती आदेश दिनांक	संपुष्ट दिनांक	तांत्रीकखंड दिनांक	नवनियुक्ती कालावधी	
							पासून	पर्यंत
1	श्री.विजय लुईस डिसोजा	क्रीडा शिक्षक	35,000/-	11/07/2024	11/12/2024	12/12/ 2024	13/12/2024	13/06/ 2025
2	श्री.अमोल बजरंग बरगाले	क्रीडा शिक्षक	35,000/-	11/07/2024	11/12/2024	12/12/ 2024	13/12/2024	13/06/ 2025
3	श्री. दीपक सुदाम राठोड	क्रीडा शिक्षक	35,000/-	11/07/2024	11/12/2024	12/12/ 2024	13/12/2024	13/06/ 2025
4	श्री. रामेश्वर भीमराव सास्ते	क्रीडा शिक्षक	35,000/-	01/08/2024	01/01/2025	02/01/ 2025	03/01/2025	03/07/ 2025
5	श्री. पुष्कर गणेश बारी	क्रीडा शिक्षक	35,000/-	16/08/2024	16/01/2025	17/01/ 2025	18/01/2025	17/07/ 2025
6	श्री. शंकर दामु चौधरी	क्रीडा शिक्षक	35,000/-	16/08/2024	16/01/2025	17/01/ 2025	18/01/2025	17/07/2025

वरील तक्त्यानुसार एकूण ०६ क्रीडा शिक्षक यांना मुदतवाढ देण्याच्या सादर केलेल्या प्रस्तावास मा. आयुक्त सो. यांनी दि. २५/०१/२०२५ रोजी मंजुरी दिलेली आहे. सदर मंजुरीच्या अधिन राहून महानगरपालिका क्रीडा विभागाकरीता ठोक मानधनावर ०६ क्रीडा शिक्षक यांना एकदिवसीय तांत्रिक खंड देऊन नियुक्ती दिनांक कालावधी पुढील सहा महिन्याकरीता वेतन रु. ३५,०००/- निश्चित करुन सहा महिन्याकरीता ०६ क्रीडा शिक्षकांची नियुक्ती करण्यास मुदतवाढ देण्याबाबत मा. प्रशासकीय सभेची मंजुरी मिळणे शिफारस आहे.

(प्रसाद शिंगटे)
उप-आयुक्त (शिक्षण)
मिरा भाईंदर महानगरपालिका

मिरा भाईंदर महानगरपालिका
मा. प्रशासकीय सभा दि.०५/२/२०२५

प्रकरण क्र.४२६ मनपा क्रीडा विभाग अंतर्गत् कार्यरत क्रीडा शिक्षक यांना ०६ महिन्या करिता मुदतवाढ देणेबाबत मा. प्रशासकीय सभेची मंजुरी मिळणेबाबत.

प्रशासकीय ठराव :- ४२६ **दिनांक :-** ०५/०२/२०२५

मिरा भाईंदर महानगरपालिकेच्या शिक्षण क्रीडा विभागाकरीता ठोक मानधनावर क्रीडा शिक्षक या पदासाठी ०६ महिन्याकरीता मा. प्रशासकीय समिती सभेने दि. ०४/१०/२०२४ रोजी ठराव क्र. २०२ अन्वये ०५ क्रीडा शिक्षक यांना मुदतवाढ देण्याबाबतचा ठराव पारीत करण्यात आलेला होता. सदर ठराव मंजुरीच्या अधिन राहुन शिक्षण विभागाकडुन कार्यवाही करण्यात आली होती. परंतू सदरची मुदतवाढ संपुष्टात आल्याने खालील नमूद केलेल्या तक्त्यानुसार मुदतवाढ देण्याबाबत कार्यवाही प्रस्तावित करण्यात आलेली आहे.

अ क्र	क्रीडा शिक्षिकचे नाव	पदनाम	एकूण वेतन	नियुक्ती आदेश दिनांक	संपुष्ट दिनांक	तात्रीकखंड दिनांक	नवनियुक्ती कालावधी	
							पासून	पर्यंत
1	श्री.विजय लुईस डिसोजा	क्रीडा शिक्षक	35,000/-	11/07/2024	11/12/2024	12/12/ 2024	13/12/2024	13/06/ 2025
2	श्री.अमोल बजरंग बरगाले	क्रीडा शिक्षक	35,000/-	11/07/2024	11/12/2024	12/12/ 2024	13/12/2024	13/06/ 2025
3	श्री. दीपक सुदाम राठोड	क्रीडा शिक्षक	35,000/-	11/07/2024	11/12/2024	12/12/ 2024	13/12/2024	13/06/ 2025
4	श्री. रामेश्वर भीमराव सास्ते	क्रीडा शिक्षक	35,000/-	01/08/2024	01/01/2025	02/01/ 2025	03/01/2025	03/07/ 2025
5	श्री. पुष्कर गणेश बारी	क्रीडा शिक्षक	35,000/-	16/08/2024	16/01/2025	17/01/ 2025	18/01/2025	17/07/ 2025
6	श्री. शंकर दामु चौधरी	क्रीडा शिक्षक	35,000/-	16/08/2024	16/01/2025	17/01/ 2025	18/01/2025	17/07/2025

वरील तक्त्यानुसार एकूण ०६ क्रीडा शिक्षक यांना मुदतवाढ देण्याच्या सादर केलेल्या प्रस्तावास मा. आयुक्त सो. यांनी दि. २५/०१/२०२५ रोजी मंजुरी दिलेली आहे. सदर मंजुरीच्या अधिन राहून महानगरपालिका क्रीडा विभागाकरीता ठोक मानधनावर ०६ क्रीडा शिक्षक यांना एकदिवसीय तांत्रिक खंड देऊन नियुक्ती दिनांक कालावधी पुढील सहा महिन्याकरीता वेतन रु. ३५,०००/- निश्चित करुन सहा महिन्याकरीता ०६ क्रीडा शिक्षकांची नियुक्ती करण्यास मुदतवाढ देण्याबाबत मा. प्रशासकीय सभेची मंजुरी मिळणे शिफारस आहे.

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

(श्री. संजय श्रीपतराव काटकर)
आयुक्त तथा प्रशासक भा.प्र.से
मिरा भाईंदर महानगरपालिका

मिरा भाईंदर महानगरपालिका

उद्यान विभाग

प्रशासकीय सभा दि. 4/12/2024

"गोषवारा"

प्रकरण क्र. 826 - मिरा भाईदर महानगरपालिका क्षेत्रातील भाईदर (पू.) नवघर येथिल जुना तलावाच्या भिंतीचे नव्याने बांधकाम करणेकामात कामात बाधित होणारी झाडे काढणे.

मिरा भाईदर महानगरपालिका क्षेत्रातील भाईदर (पू.) नवघर येथिल जुना तलावाच्या भिंतीचे नव्याने बांधकाम करणेकामात बाधित झाडे काढणेकामी जा.क्र.मनपा/सां.बा./3562/2024-25 दि.01/10/2024 अन्वये मा. कार्यकारी अभियंता (सा.बा.) यांच्या पत्राच्या अनुषंगाने प्रत्यक्ष जागेवर पाहणी केली असता त्याची सध्यस्थिती खालीलप्रमाणे आहे.

अ.क्र.	झाडाचे नाव व उंची	नग	अंदाजे वय	तपशिल
1	नारळ अंदाजे उंची 08 ते 10 फुट	04 नग	08 वर्ष	भाईदर (पू.), नवघर जूना तलावाच्या भितीचे नव्याने बांधकाम करणेकामात 72 नग झाडे बाधित होत आहे. सदरच्या झाडांची उंची पाहता तसेच झाडांची मुळे तलावाच्या संरक्षक भितीमध्ये गेल्यामुळे सदरची झाडे काढून पुर्नःरोपन करणे शक्य नाही. या कारणास्तव झाडे मुळासकट काढणे आवश्यक आहे.
2	नारळ अंदाजे उंची 15 ते 20 फुट	02 नग	15 वर्ष	
3	आरेका पाम अंदाजे उंची 15 ते 20 फुट	01 नग	05 वर्ष	
4	नारळ अंदाजे उंची 15 ते 20 फुट	01 नग	12 वर्ष	
5	जांभूळ अंदाजे उंची 10 ते 12 फुट	02 नग	06 वर्ष	
6	रॉयल पाम अंदाजे उंची 20 ते 25 फुट	01 नग	15 वर्ष	
7	समुद्र फुल अंदाजे उंची 08 ते 10 फुट	02 नग	08 वर्ष	
8	नारळ अंदाजे उंची 15 ते 20 फुट	07 नग	15 वर्ष	
9	नारळ अंदाजे उंची 08 ते 10 फुट	08 नग	08 वर्ष	
10	बदाम अंदाजे उंची 13 ते 15 फुट	02 नग	12 वर्ष	
11	पाम अंदाजे उंची 20 ते 25 फुट	22 नग	10 वर्ष	
12	बदाम अंदाजे उंची 25 ते 30 फुट	01 नग	18 वर्ष	
13	आरेका पाम अंदाजे उंची 15 ते 20 फुट	01 नग	05 वर्ष	

14	बदाम अंदाजे उंची 10 ते 15 फुट	03 नग	08 वर्ष
15	जाभूळ अंदाजे उंची 15 ते 20 फुट	01 नग	10 वर्ष
16	नारळ अंदाजे उंची 10 ते 12 फुट	07 नग	10 वर्ष
17	पळस अंदाजे उंची 12 ते 15 फुट	01 नग	10 वर्ष
18	बदाम अंदाजे उंची 08 ते 10 फुट	05 नग	08 वर्ष
19	जाभूळ अंदाजे उंची 08 ते 10 फुट	01 नग	08 वर्ष
	एकूण	72 नग झाडे	720 वर्ष

प्रस्तावित वृक्ष मुळासहित काढणेकामी दि.29/11/2024 रोजी साप्ता. जनकल्याण सेवा या वृतपत्रामध्ये व मिरा भाईंदर महानगरपालिका संकेतस्थळावर जाहिर नोटीस सुचना प्रसिद्ध करण्यात आलेली होती. तथापि सदर कालावधीमध्ये हरकती प्राप्त झालेल्या होत्या. सदर हरकतीवर दि.02/01/2025 रोजी मा. उप-आयुक्त (उद्यान) यांच्या दालनात सुनावणी आयोजित करण्यात आलेली होती. सदरच्या झाडांपासुन होणारा अडथळा लक्षात घेता सदरची झाडे मुळासहित काढणे आवश्यक असल्याबाबत निर्णय पारित करण्यात आला.

तसेच मुळासहित काढण्यात येणाऱ्या झाडांच्या बदल्यात लागवड करण्यात येणारे भरपाई वृक्षारोपण याबाबत महाराष्ट्र (नागरी क्षेत्रे) झाडांचे संरक्षण व जतन (सुधारणा) अधिनियम 2021 (शासन परीपत्रक क्र.:वृक्ष अ 2021/प्र.क्र.19 / तां.क.4 दि.06/08/2021, पर्यावरण व वातावरणीय बदल विभाग, महाराष्ट्र शासन) मधील अ.क्र. 3 मुख्य अधिनियम कलम 8 मध्ये (i) सुधारीत अधिनियमान्वये पोट कलम (5) ला खंड (अ) असा नविन क्रमांक देवुन त्यामध्ये सदर दुरुस्ती करण्यात आली आहे.

- पाडण्यात येणाऱ्या वृक्षांच्या अंदाजित केलेल्या वया इतक्या वृक्षांच्या संख्ये इतकी वृक्ष लावावीत.
- लागवड करताना किमान 6 फुट उंचीची रोपे लावण्यात यावीत.

वरील प्रमाणे असे नमुद करण्यात आलेले आहे. त्यानुसार उपरोक्त काढण्यात येणाऱ्या झाडाच्या अंदाजित वयानुसार भरपाई 720 नग वृक्षारोपण करणे आवश्यक आहे. त्यानुसार मनपा क्षेत्रात उपलब्ध जागेत झाडे लागवड करण्यात येणार आहेत.

उपरोक्त प्रमाणे भाईंदर (पू.), येथिल नवघर जुना तलावाच्या भिंतीचे नव्याने बांधकाम करणेकामात 72 नग झाडे बाधित होत असून महाराष्ट्र (नागरी क्षेत्र) झाडांचे जतन अधिनियम 1975 चे कलम 8(3) नुसार बांधकामात बाधित होणारी झाडे महानगरपालिकेच्या कर्मचा-यामार्फत मुळासहित काढणेकामी मंजूरी करीता मा. प्रशासक यांची मान्यता मिळणेस शिफारस असे.

(कल्पिता पिंपळे)
उप-आयुक्त (उद्यान)
मिरा भाईंदर महानगरपालिका

मा. महासभा / स्थायी समिती सभा
दिनांक 06/02/25 रोजी 11:30 वा
ठराव क्र. 832/2024/25

मंजूर
6/2/25
मिरा-भाईंदर महानगरपालिका

मिरा भाईंदर महानगरपालिका

उद्यान विभाग

प्रशासकीय ठराव दि. 04/02/2025

प्रकरण क्र.४२७:- मिरा भाईंदर महानगरपालिका क्षेत्रातील भाईंदर (पू.) नवघर येथिल जुना तलावाच्या भिंतीचे नव्याने बांधकाम करणेकामात कामात बाधित होणारी झाडे काढणे.

कार्यालयीन प्रस्तावना

ठराव क्र. ४२७

मिरा भाईंदर महानगरपालिका क्षेत्रातील भाईंदर (पू.) नवघर येथिल जुना तलावाच्या भिंतीचे नव्याने बांधकाम करणेकामात बाधित झाडे काढणेकामी जा.क्र.मनपा/सां.बा./3562/2024-25 दि.01/10/2024 अन्वये मा. कार्यकारी अभियंता (सा.बा.) यांच्या पत्राच्या अनुषंगाने प्रत्यक्ष जागेवर पाहणी केली असता त्याची सद्यस्थिती खालीलप्रमाणे आहे.

अ.क्र.	झाडाचे नाव व उंची	नग	अंदाजे वय	तपशिल
1	नारळ अंदाजे उंची 08 ते 10 फुट	04 नग	08 वर्ष	भाईंदर (पू.), नवघर जूना तलावाच्या भिंतीचे नव्याने बांधकाम करणेकामात 72 नग झाडे बाधित होत आहे. सदरच्या झाडांची उंची पाहता तसेच झाडांची मुळे तलावाच्या संरक्षक भिंतीमध्ये गेल्यामुळे सदरची झाडे काढून पुर्नःरोपन करणे शक्य नाही. या कारणास्तव झाडे मुळासकट काढणे आवश्यक आहे.
2	नारळ अंदाजे उंची 15 ते 20 फुट	02 नग	15 वर्ष	
3	आरेका पाम अंदाजे उंची 15 ते 20 फुट	01 नग	05 वर्ष	
4	नारळ अंदाजे उंची 15 ते 20 फुट	01 नग	12 वर्ष	
5	जाभूळ अंदाजे उंची 10 ते 12 फुट	02 नग	06 वर्ष	
6	रॉयल पाम अंदाजे उंची 20 ते 25 फुट	01 नग	15 वर्ष	
7	समुट फुल अंदाजे उंची 08 ते 10 फुट	02 नग	08 वर्ष	
8	नारळ अंदाजे उंची 15 ते 20 फुट	07 नग	15 वर्ष	
9	नारळ अंदाजे उंची 08 ते 10 फुट	08 नग	08 वर्ष	
10	बदाम अंदाजे उंची 13 ते 15 फुट	02 नग	12 वर्ष	

11	पाम अंदाजे उंची 20 ते 25 फुट	22 नग	10 वर्ष	
12	बदाम अंदाजे उंची 25 ते 30 फुट	01 नग	18 वर्ष	
13	आरेका पाम अंदाजे उंची 15 ते 20 फुट	01 नग	05 वर्ष	
14	बदाम अंदाजे उंची 10 ते 15 फुट	03 नग	08 वर्ष	
15	जांभूळ अंदाजे उंची 15 ते 20 फुट	01 नग	10 वर्ष	
16	नारळ अंदाजे उंची 10 ते 12 फुट	07 नग	10 वर्ष	
17	पळस अंदाजे उंची 12 ते 15 फुट	01 नग	10 वर्ष	
18	बदाम अंदाजे उंची 08 ते 10 फुट	05 नग	08 वर्ष	
19	जांभूळ अंदाजे उंची 08 ते 10 फुट	01 नग	08 वर्ष	
	एकूण	72 नग झाडे	720 वर्ष	

प्रस्तावित वृक्ष मुळासहित काढणेकामी दि.29/11/2024 रोजी साप्ता. जनकल्याण सेवा या वृतपत्रामध्ये व मिरा भाईंदर महानगरपालिका संकेतस्थळावर जाहिर नोटीस सुचना प्रसिद्ध करण्यात आलेली होती. तथापि सदर कालावधीमध्ये हरकती प्राप्त झालेल्या होत्या. सदर हरकतीवर दि.02/01/2025 रोजी मा. उप-आयुक्त (उद्यान) यांच्या दालनात सुनावणी आयोजित करण्यात आलेली होती. सदरच्या झाडांपासुन होणारा अडथळा लक्षात घेता सदरची झाडे मुळासहित काढणे आवश्यक असल्याबाबत निर्णय पारित करण्यात आला.

तसेच मुळासहित काढण्यात येणाऱ्या झाडांच्या बदल्यात लागवड करण्यात येणारे भरपाई वृक्षारोपण याबाबत महाराष्ट्र (नागरी क्षेत्रे) झाडांचे संरक्षण व जतन (सुधारणा) अधिनियम 2021 (शासन परीपत्रक क्र.:वृक्ष अ 2021/प्र.क्र.19 / तां.क.4 दि.06/08/2021, पर्यावरण व वातावरणीय बदल विभाग, महाराष्ट्र शासन) मधील अ.क्र. 3 मुख्य अधिनियम कलम 8 मध्ये (i) सुधारीत अधिनियमान्वये पोट कलम (5) ला खंड (अ) असा नविन क्रमांक देवुन त्यामध्ये सदर दुरुस्ती करण्यात आली आहे.

- पाडण्यात येणाऱ्या वृक्षांच्या अंदाजित केलेल्या वया इतक्या वृक्षांच्या संख्ये इतकी वृक्ष लावावीत.
- लागवड करताना किमान 6 फुट उंचीची रोपे लावण्यात यावीत.

वरील प्रमाणे असे नमुद करण्यात आलेले आहे. त्यानुसार उपरोक्त काढण्यात येणाऱ्या झाडाच्या अंदाजित वयानुसार भरपाई 720 नग वृक्षारोपण करणे आवश्यक आहे. त्यानुसार मनपा क्षेत्रात उपलब्ध जागेत झाडे लागवड करण्यात येणार आहेत.

उपरोक्त प्रमाणे भाईंदर (पू.), येथिल नवघर जुना तलावाच्या भितीचे नव्याने बांधकाम करणेकामात 72 नग झाडे बाधित होत असून महाराष्ट्र (नागरी क्षेत्र) झाडांचे जतन अधिनियम 1975 चे कलम 8(3) नुसार बांधकामात

बाधित होणारी झाडे महानगरपालिकेच्या कर्मचा-यामार्फत मुळासहित काढणेकामी मंजूरी करीता मा. प्रशासक यांची मान्यता देण्याचा प्रस्ताव प्रशासनाने सादर केलेला आहे.

महाराष्ट्र महानगरपालिका अधिनियम तरतुदी व विशेषत: कलम 452 (अ) च्या (1अ) व (1ब) नुसार, महाराष्ट्र शासन, नगरविकास विभागाकडील शासन आदेश क्रमांक :- एमसीओ 2020/प्र.क्र.71 (भाग-2)/नवि-14 दिनांक 26 ऑगस्ट 2022 अन्वये प्राप्त अधिकारानुसार मी, संजय श्रीपतराव काटकर, प्रशासक, मिरा भाईंदर महानगरपालिका मा. महानगरपालिका महासभेच्या अधिकाराचा वापर करुन प्रशासनाने सादर केलेल्या प्रस्तावानुसार मिरा भाईंदर महानगरपालिका क्षेत्रातील भाईंदर (पू.), येथिल नवघर जुना तलावाच्या भिंतीचे नव्याने बांधकाम करणेकामात बाधित होणारी 72 नग झाडे महानगरपालिकेच्या कर्मचा-यामार्फत मुळासहित काढणेकामी महाराष्ट्र (नागरी क्षेत्र) झाडांचे जतन अधिनियम 1975 चे कलम 8(3) नुसार मंजूरी करीता प्रशासक यांची प्रशासकीय मान्यता ठरावाद्वारे देण्यात येत आहे. पारीत ठरावानुसार उद्यान विभागाने नियमानुसार कार्यवाही करावी.

(वासुदेव शिरवळकर)
नगरसचिव
मिरा भाईंदर महानगरपालिका

(संजय श्रीपतराव काटकर, भाप्रसे)
प्रशासक तथा आयुक्त
मिरा भाईंदर महानगरपालिका