GOVERNMENT OF MAHARASHTRA PUBLIC WORK DEPARTMENT PARKS & GARDENS, MUMBAI REGION

SCHEDULE OF RATES FOR YEAR 2022-2023



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1. GENERAL NOTES

GENERAL NOTES FOR HORTICULTURE SCHEDULE OF RATE

- **1.** Schedule of Rates prepared for the **year 2022-23 is Operative from 18 April 2023** and is applicable for Mumbai Region (Dist.: -Mumbai, Thane, Palghar, Raigadh, Ratnagiri, Sindhudurg,) of Maharashtra.
- **2.** For the rates in Corporation area, Municipal Council Areas, Mumbai, Notified Tribal area, Hilly inaccessible areas & Central Jail premises, Sugarcane factory area, Tiger project area, Coal / Manganese / Lime Mining area, Naxalite affected area and Mental Hospital premises & Pandemic Special Centers an increase of percentages over the normal schedule of rates (Basic completed item Rates) prescribed for the year 2022-23 are as follows: -

a)	Corporation Areas	5%
b)	Municipal Council Areas	4%
c)	Sugarcane factory area (within 10 km. radius)	5%
d)	Notified Tribal Areas / Hilly Area / Inaccessible areas	10%
e)	Inside Premises of Central Jail, Mental Hospital, , Yerawada Printing	15%
	press.	
f)	Tiger project area inAmravati, Yevatmal, Vardha, Nagpur, Melghat	20%
g)	Coal / Lime /Manganese Mining area	5 %
h)	Naxalite affected area	20%
i)	Metropolitan areas notified by UDD excluding Municipal	2%

Issue rates of Schedule 'A' materials for above notified area shall be increased by respective percentage. The above percentage should be applied on the cost of items after deducting the cost of Specified materials, if issuedon Schedule 'A'.

The Superintending Engineers should Specify the sugar factory areas/ coal mine areas/ Notified Tribal areas under their circles after ascertaining working condition of the Sugar factory.

The Notified Hilly / Inaccessible areas shall be considered **as per Government Resolution**, Planning Department No. DVK-2009/CR-6/D-1483 Dated 18-01-2010 &31-01-2018.NoDVK-2015/CR-42/D-1481A Dated-15.06.2018 & 20.11.2018 and DVK-2015/CR-35/D-1483 Dated -31.07.2015 & Applicable GR of Planning Department.

1. For all district excluding Gadchiroli, following instruction are applicable

The works which are pertaining to inside premises of central jail, Mental Hospital, Yerawada Printing press as well as in corporation area, an increase of percentage over normal scheduled

rates shall be considered both simultaneously e. g. If central jail is situated in corporation area an increase of 5% for corporation area and 15% for jail premises total 20% shall be considered.

2. For Gadchiroli District Notified Tribal area, Hilly or inaccessible area, an increase shall be (10%+20%)=30%.

For other works the increase in rates as above shall be applicable one time only.

The Superintending Engineers, should notify the area (name of villages) where major coal/ mine activities are in progress and where these rates will be applicable.

3. Schedule of rates is based on the following basics rates of materials and labour:- Garden Soil, Farm Yard Manure, plant material, Excavation, Filling, plantation and maintain till well established. Till well established means approx days are given, related to Mortality of plant materials different item wise have different mortality percentage are considered.

Provision of Water and electricity for Development of Garden work and Maintenance is responsibility of user Dept /Owner

Item involving use of material like Garden Soil, F Y M lawn, plant Material etc the variation in rates w.r.t. rate given in material Master are likely to vary district wise or place to place on account of such variation in rates may be either increase or decrease with some extent.

- Labor rates are adopted as per PWD DSR.
- Machinery hires charges rates provided by Mechanical wings of PWD.
- Taxes and Govt. Circulars.
 - a) Material rates are exclusive if GST (Goods and Services Tax). Rates for completed items are also exclusive of GST. While preparing estimates, separate provisions for GST should be made in recapitulation sheet.
 - b) As per govt. circular No.SSR-1090/CR-6453/PLN-3 Dt. 14.07.1993 and as per GR of industries and power department No. BCA-2009/CR-108/Labour 7-A dated 17.06.2010. Labour Cess at 1% has been considered separately in Rate Abstract.
 - c) For labour amenities and all other overhead charges, 10% provision is considered in Rate Abstract. In addition, 10% provision for contractors' profit is also considered separately.

As per Government of Maharashtra, Revenue and Forest Departments Gazette No. 146 Dt. 04 June 2021, States that the Royalty charges of Rs. 600/- Per Brass (i.e. Rs.211.95 /cum.) are to be considered. The surcharge levied on Royalty shall also be payable to the contractor in following manner. Royalty charges on all minor minerals do not form parts of Rate Abstract and shall be reimbursed separately on production of Proof to that effect. The Superintendent Engineer, PWD may modify and circulate Royalty charges in case of any modification are made by Govt. of Maharashtra. Royalty charges against estimated quantity shall be included in recapitulation sheets.

For all other Minerals = Royalty +surcharge

$$= 211.95 + 4.23 = 216.18$$
 per Cu. Mtr.

In DSR for items of completed item rate, which are inclusive of material Garden Soil, Quantity of Garden Soil per Cu. Mtr. is calculated in Consumption Statement.

Any revision in Royalty charges shall be included in the rate analysis of the respective item. If there is variation in Royalty charges the difference shall be paid extra over the items to the contractor and shall be recovered if the Royalty rates are reduced by Govt. i.e Revenue department.

While preparing Estimate, actual and practical distance of worksite from quarries shall be taken and adequate quantity of good quality material shall be ascertained by concerned Competent Authority

Labor Insurance Charges For garden Works should be added separately in recapulation sheet.

a)	Work value up to :- 25.00 Lakhs	1.0%
b)	Work value above: - 25.00 Lakhs	0.5%

4.1 In water scarcity area (the locality declared as draught prone area by District Collector for specified period) the Superintendent Engineer, PWD Concerned shall suitably increase the rate for particular item considering the requirement of water for that item.

5. Leads and lifts.

- 5.1 Rates For transportation of material by Truck from different leads have been worked out as per table given by National Building Organization. The cost per trip shown in statement 'C', also includes charges of running empty vehicle for return trip. For calculation of transportation charges rates tabulated in material master for following items are considered in the formula.
 - a) Mazdoor b) Diesel c) Mobile Oil d) Truck
- 5.2 For calculation of pay load factor a truck of 10 M. T. capacity is considered.
- 5.3 Rates worked out in the Rate Abstract includes initial lead of 50 m. for all completed items. Actual lead charges are to be added for items while framing the estimate wherever applicable.
- 5.4 Lead charges for various materials are given in statement C- 1 and these are inclusive of loading and unloading charges. Hence loading and unloading charges shall not be considered separately.
- 5.5 The Basic rates for all quarrying materials such as infertile and with weed, unwanted,

- garden soil are taken as rates at quarry with lead of 50 mtr. (Head load lead is not to be deducted from lead)
- 5.6 While preparing estimates actual and practical distance of worksite from quarries shall be taken and adequate quantity of good material shall be ascertained by concerned officer in charge.

The DPR and estimate must certify on quarry chart.

- 1. Quarries selected have sufficient quantity of required of specific quality needed.
- 2. That shortest lead has been considered while preparing the estimates.
- 3. For murum & earth, lead from nearby farm/private lands shall not be taken. It should be taken from approved quarries only.
- 4. For pure garden soil supply work application of GST should be as per prevailing GST norms.
- 5. While preparing Rate Abstract for garden work compaction rate for garden soil is considered 16 % & F.Y.M. 8 %
- 6. Lead for soil supply is considered 80 km. & Lead for FYM supply is considered 70 km. Lead for soil & FYM are considered for Mumbai district only, other than Mumbai district area lead should be calculated and certified by competent authority And should be calculated as per Rate abstract attached on page no.....
- 7. Schedule of rates is based on the following basic material and labors. Garden soil, Farmyard Manure, plant material, excavation, filling plantation and maintenance is 30 days considered after plantation.
- 8. For mortality of plant material, according to variety it has been taken into consideration for calculating no. Of plants per sq. Meter. Mortality is already considered 10 % in Rate abstract.
- 9. Provision of water and electricity for development of garden work and maintenance is responsibility of user Dept / Owner.
- 10. For material other than DSR list rates should be taken or per prevailing market rates & should be approved by concern competent authority.
- 11. Material rates are exclusive of GST (Goods & Service Tax). Rates for completed items are also exclusive of GST. While preparation of estimates prevailing GST percentage, provision should be made separately in recapulation sheet.

- 13. The basic rates of materials are as per the rates charged by the main producers/suppliers at their respective points of supply, as on the date of implementation of D.S.R. are excluding GST. The rates of garden soil excluding GST.
- 14. Horticulturist / Garden in charge should ensure that the material such as garden soil, farmyard manure, plant materials procured are as per specification & good quality only and if farmyard manure of good quality not available then it should be replaced with same amount of vermicompost/organic manure. Also, material supply on site must be approved by Horticulturist / Garden in charge & should be certified by competent authority.
- 15. IF Water is not provided by the owner, the extra water charges @4 to 5 lit. per sq.mtr./day for entire garden area including landscape area.
- 16. For government garden development work technical sanction/ scrutiny Should be taken from Parks & Garden Department / concern competent authority only for garden work.
- 17. For supply of self-watering system tree guard refer to PWD SSR-2022-23, Sr.370- & 371-chapter Road maintenance Item No.8.30 & 8.31 Page No. 79
- 18. The Rate for supply plants, Lawns & Other material at site are including overhead charges & Contractors Profit.
- 19. Transportion Charges:-
- a) The transportation charges beyond 30 km. to 50 km. are with 5 km. interval, 50 km. to 100 km. with 10 km. interval, 100 km. to 200 km. with 25 km. interval. The transportation charges for intermediate km. within the range shall be worked out by linearly interpolating between rates of the lower and upper values in the range.
- b) Statement C2 is for loading, unloading and stacking charges. Loading and unloading charges are to be deducted from Transportation charges in Statement C1, wherever transportation charges without loading and unloading are required

20. General Guidelines:

1. The contents of D.S.R. Annexure are as follows: -

Statement A-1 - Material Master. (Basic rates of materials)

Rates of Earthen pots / Plastic pots of Different size

For items involving use of material like Garden Soil, F Y M, Plant Material etc., the variation in rates w.r.t. rates given in material master are likely to vary District wise. On account of such variation in rates either increase or decrease, concerned Superintending Engineer/ Director Parks and Gardens may modify and approve the respective items invariably giving the effect on higher or lower side as the case may be. While doing so concerned competent authority shall keep the reasons in writing on record.

21. Precautions to be taken

For all items of garden development and Renovation work – Photographs showing initial conditions and photographs showing condition after execution of that particular item should be attached with Measurement Book.

Time frame should be fixed for completion of work

Photographs showing Excavation and Filling should be kept on record.

Provision should be made for taking Photographs, Video Shooting, etc. Separately in contingencies of the estimate.

For any queries, please write us on e-mail dirmum.pg@mahapwd.gov.in

2. LABOUR

No.	ITEMS	UNIT	RATE 2022-23
1.	Excavation : 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 up to 0.00 to 1.50 m.) By Manual Means. (Reference rate from PWD SSR 2022-23, w.e.f. 25-07-2022, Sr. No. 720, Chapter Excavation, Item No. 21.01, Reference No BDA 1 Page No.153)	m ³	239.00
2.	Spreading fresh garden soil /silt & manure in excavated area including lead up to a distance of 50 Mtrs (Rates Form PWD SSR 2022-23 / Sr. No104 Item No-2.30 Page no25)	m ³	79.00
3.	Mixing garden soil/silt &manure thoroughly well, watering previous night. Planting required plant species; lawn grass as directed etc. complete. (1/10 of unskilled labour i.e 648/10 + Including (Overhead Charges 10% & Contractor Profit 10%) (Labour Rates For PWD SSR 2022-23 / Sr. No. 62 Page no545)	m²	77.76
4.	Unskilled Heavy Labour. (PWD SSR 2022-23 Page no545/ Sr. No36)	Per Day	615.00
5.	Semiskilled Labour (Mali) (PWD SSR 2022-23 Page no546/ Sr. No62)	Per Day	648.00

3. MATERIAL CHARGES

Sr. No.	ITEMS	UNIT	RATE 2015-16
1.	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. (Farma) Item includes Transporting, loading -unloading etc (.Lead charges per 70 km. considered Excluding royalty.)	m^3	1500.00
2	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 50 km. considered.)	m ³	1550.00

^{*}Rates as per lowest quotations received

OTHER MATERIAL

Item	Specification	Qty/Size	Rate
Vermicompost: -	Good quality well decomposed black colored, odourless pest and disease free, with appropriate nutrient and moisture content free from unwanted rubbish material.	Per kg.	10/-
Coco peat: -	Good quality washed having low e.c. (electrical conductivity) good water retention capacity, free from unwanted rubbish material.	Per kg.	12/-
Plastic Pot: -	Prepared from recyclable plastic material, good	12" ht	90/-
	quality durable, handy, U.V. Resistance & non colour fading quality.	10" ht	70/-
		8" ht	45/-
Cement Pot: -	Good quality, durable, well finished on edge with	36" x 18" x 18"	800/-
	good strength.	24" x 12" x 12"	600/-
		18"x 18" x 18"	500/-
		12" x 12" x12"	300/-
Earthen Pot: -	Well baked earthen pots having good strength.	12" ht	120/-
		10"	90/-
Moss stick: -	Prepared from dried sphagnum moss, good quality, good water retention capacity long life	2 ft length	60/-
	etc. Length 2 ft. 3 ft.	3 ft length	90/-
Coir stick: -	Prepared from coconut husks, good quality, long	2 ft length	50/-
	life etc. Length 2 ft, 3 ft.	3 ft length	75/-
Bamboo Stake: -	2 to 3 mtr. Useful for supporting plants from	2 mtr length	25/-
	height 1 mtr to 4 mtrs, straight, erect etc.	3 mtr length	40/-
Shade net: -	1. 50% S.F. good tensile strength, long life, fire resistant good quality, light and heat absorbent.	50% s.f./ per sq.mtr	20/-
	2. 75% S.F. good tensile strength, long life, fire resistant good quality, light and heat absorbent.	75% s.f./ per sq.mtr	32/-
Weed mat/ Mulch mat: -	Good quality, durable, long life, U.V. degradable, useful for controlling weed, conserving soil moisture.	Per Sq.mtr	30/-

^{*}Rates are excluding corporation charges

RATE ABSTRACT FOR SOIL AND FYM

Sr.No.	Description	Rate	Per	Total
1.	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. (Farma)			
	Item includes Transporting, loading -unloading etc.			
	(Lead charges per 70 km. considered. Excluding			
	Royalty)			
A)	As per above description compensation for soil at	200	Cum	200
	source			
B)	Lead charges for soil supply considering 70 km lead from	1089.13	Cum	1089.13
	source. (As PWD SSR 2022-23 statement- C-1 (With			
	Machine Loading) Page No. 560)			
C)	Overhead Charges @ 10%	128.91	Cum	128.91
D)	Contractor's profit @ 10%	128.91	Cum	128.91
		To	otal Rate	1546.95
			Say Rs	1547/-

^{*}Rates are excluding corporation charges

^{*}For other districts lead should be calculated as per actual site location and distance from the source.

Sr.No.	Description	Rate	Per	Total
1.	FARMYARD 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 50 km. considered.)			
A)	As per above description compensation for FYM at	400	Cum	400
	source			
В)	Lead charges for FYM supply considering 50 km lead	937.53	Cum	937.53
	from source. (As PWD SSR 2022-23 statement- C-1 (With			
	Machine Loading) Page No. 560)			
C)	Overhead Charges @ 10%	133.75	Cum	133.75
D)	Contractor's profit @ 10%	133.75	Cum	133.75
		To	otal Rate	1605.03
Say Rs				1605/-

^{*}Rates are excluding corporation charges

^{*}Lead charges taken into consideration as per actual site location for Mumbai district only.

^{*}Lead charges taken into consideration as per actual site location for Mumbai district only.

^{*}For other districts lead should be calculated as per actual site location and distance from the source.

4. ITEMS OF GARDEN WORK

S.			
No.	Item	Rate	Unit
1	Labour charges for removing grass, thorny shrubs, Jungli shrub, Kubabul and alike grass along roadside making the ground clean by showel and phavaras etc. complete.	7.00	Sqm.
2	Removing grass, gazer grass and disposing off out of building premises including making clean the ground by shovel and phavaras etc. complete.	6.00	Sqm.
3	Excavation for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed in earth, soil of all types, soft murum, including removing the excavated material up to a distance of 50 mtrs. for a depth of 30 cms .	71.70	Sqm.
4	Excavation for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed in earth, soil of all types, soft murum, including removing the excavated material up to a distance of 50 mtrs. for a depth of 25 cms.	59.75	Sqm.
5	Excavation for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed/ ground cover in earth, soil of all types, soft murum, including removing the excavated material up to a distance of 50 mtrs. for a depth of 20 cms.	47.80	Sqm.
6	Excavation for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed/ ground cover in earth, soil of all types, soft murum, including removing the excavated material up to a distance of 50 mtrs. for a depth of 15 cms.	35.85	Sqm.
7	Excavation for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed/ ground cover in earth, soil of all types, soft murum, including removing the excavated material up to a distance of 50 mtrs. for a depth of 10 cms .	23.90	Sqm.
8	Excavation for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed/ ground cover in earth, soil of all types, soft murum, including removing the excavated material up to a distance of 50 mtrs. for a depth of 5cms .	11.95	Sqm.
9	Excavation pit size 0.30 x 0.30 x 0.30m for planting rose plants/ climbers/ creepers in earth, soil of all types, soft murum, including removing the excavated & unwanted material up to a required distance of 50 mtrs.	6.45	Per No.
10	Excavation pit size 0.45 x 0.45 x 0.45m for planting specimen plants in earth, soil of all types, soft murum, including removing the excavated & unwanted material up to a required distance of 50 mtrs.	21.78	Per No.
11	Excavation pit size $0.60 \times 0.60 \times 0.60m$ for planting small & medium ornamental plants/ large flowering/ shady trees (plant height 1 to 2 mtr.)/ palm varieties upto height 1 to 2 mtrs. in earth, soil of all types, soft murum, including removing the excavated & unwanted material up to a required distance of 50 mtrs.	51.62	Per No.
12	Excavation pit size 1.00 x 1.00 x 1.00m for planting large flowering/ shady trees (plant height 2 to 4 mtr.)/ palm varieties of height (plant height 2 to 4 mtr.) in earth, soil of all types, soft murum, including removing the excavated & unwanted material up to a required distance of 50 mtrs.	239.00	Per No.
13	Spreading fresh garden soil / silt & manure in excavated area of depth 30cms .	27.02	Sqm.
14	Spreading fresh garden soil / silt & manure in excavated area of depth 25cms .	22.59	Sqm.
15	Spreading fresh garden soil / silt & manure in excavated area of depth 20cms.	18.01	Sqm.

16	Spreading fresh garden soil / silt & manure in excavated area of depth 15cms.	13.59	Sqm.
17	Spreading fresh garden soil / silt & manure in excavated area of depth 10cms.	9.01	Sqm.
18	Spreading fresh garden soil / silt & manure in excavated area of depth 5cms .	4.58	Sqm.
19	Spreading fresh garden soil / silt & manure in excavated pit size area of 0.30 x 0.30 x 0.30m	2.37	Per No.
20	Spreading fresh garden soil / silt & manure in excavated pit size area of 0.45 x 0.45 x 0.45m	8.06	Per No.
21	Spreading fresh garden soil / silt & manure in excavated pit size area of 0.60 x 0.60 x 0.60m	18.88	Per No.
22	Spreading fresh garden soil / silt & manure in excavated pit size area of 1.00 x 1.00 x 1.00m	80.11	Per No.
23	Mixing garden soil/silt & manure thoroughly well, watering previous night. Planting required plant species; lawn grass as directed etc. complete for required depth 5 to 30 cms. for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed/ ground cover.	77.76	Sqm.
24	Mixing garden soil/silt & manure thoroughly well, watering previous night. Planting required plant species as directed etc. complete for required pit size 0.30 x 0.30 x 0.30m.	7.00	Per No.
25	Mixing garden soil/silt & manure thoroughly well, watering previous night. Planting required plant species as directed etc. complete for required pit size 0.45 x 0.45 x 0.45m.	15.75	Per No.
26	Mixing garden soil/silt & manure thoroughly well, watering previous night. Planting required plant species as directed etc. complete for required pit size 0.60 x 0.60 x 0.60m.	27.99	Per No.
27	Mixing garden soil/silt & manure thoroughly well, watering previous night. Planting required plant species as directed etc. complete for required pit size 1.00 x 1.00 x 1.00m.	77.76	Per No.
28	Maintenance of Newly Developed lawn Area. For First 30 days Only (Paspalum/selection)	35.38	Sqm.
29	Maintenance of Newly Developed lawn Area. For First 30 days Only (Instant Lawn)	32.65	Sqm.
30	Maintenance of Newly Developed Canna bed/ flower bed Area. For First 30 days Only	43.74	Sqm.
31	Maintenance of Newly Developed Shrubbery/ Hedges/ Edges/ Ground covers Area. For First 30 days Only	36.74	Sqm.
32	Maintenance of Newly Planted Rose plant. For First 30 days Only	70.45	Per No.
33	Maintenance of Newly Planted small & medium size ornamental plants/ Specimen plant. For First 30 days Only	56.84	Per No.
34	Maintenance of Newly Planted tree varieties having height 1mtr 2mtr. For First 30 days Only	142.84	Per No.
35	Maintenance of Newly Planted tree varieties having height 2mtr 4mtr. For First 30 days Only	165.24	Per No.

like dried grass roots, other such materials) for excavation area of depth of 30 cms (consolidated thickness). Quantity of soil 0.261 cum x 1500/cum = 391.50/. Supplying on site well decomposed Farmyard Manure (i. e. 1-part FYM) for excavation area of depth of 30 cms (consolidated thickness). Quantity of FYM 0.081 cum x 1550/cum = 125.55/- Supplying on site fresh Garden soil (i. e. 3-part soil) (free from stones rubbish like dried grass roots, other such materials) for excavation area of depth of 25 cms (consolidated thickness). Quantity of soil 0.218 cum x 1500 /cum = 326.25/- Supplying on site well decomposed Farmyard Manure (i. e. 1-part FYM) for excavation area of depth of 25 cms (consolidated thickness). Quantity of FYM 0.068 cum x 1550/cum = 104.63/- Supplying on site fresh Garden soil (i. e. 3-part soil) (free from stones rubbish like dried grass roots, other such materials) for excavation area of depth of 20 cms (consolidated thickness). Quantity of FYM 0.068 cum x 1550/cum = 104.63/- Supplying on site well decomposed Farmyard Manure (i. e. 1-part FYM) for excavation area of depth of 20 cms (consolidated thickness). Quantity of FYM 0.054cum x 1550/cum = 83.70/- Supplying on site fresh Garden soil (i. e. 3 part soil) (free from stones rubbish like dried grass roots, other such materials) for excavation area of depth of 15 cms (consolidated thickness). Quantity of FYM 0.054cum x 1550/cum = 83.70/- Supplying on site fresh Garden soil (i. e. 3 part soil) (free from stones rubbish like dried grass roots, other such materials) for excavation area of depth of 15 cms (consolidated thickness). Quantity of FYM 0.041cum x 1550/cum = 62.78/- Supplying on site fresh Garden soil (i. e. 3 part soil) (free from stones rubbish like dried grass roots, other such materials) for excavation area of depth of 10 cms (consolidated thickness). Quantity of FYM 0.027 cum x 1550/cum = 41.85/- Supplying on site fresh Garden soil (i. e. 3-part soil) (free from stones rubbish like dried grass roots, other such mat				
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2 Per
No.
Per
No.
6 Per
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No.
8 Per
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Sqm.
0 Sqm.

<u>5.</u> <u>PLANT LIST</u>

Specification:- Well Developed ,Fresh, Healthy half in bloom, free from pest and diseases

1 (a)Flowering Shrubs

Specification: Well Developed ,Fresh, Healthy half in bloom, free from pest and diseases.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved Rates
1	Aboli/Crossandra	6" Pots	15 cm to 30	
			cm	70
2	Allamanda	8'X10'	30 cm to 45	
			cm	22
3	Caesalpinia pulcherrima	8" x 10"	30 cm to 60	
			cm	22
4	Eranthemum laxiflorum	8" x 10"	30 cm to 45	
			cm	18
5	Gardenia/Anant	8" x 10"	30 cm to 45	
			cm	35
6	Hamelia patens	8" x 10"	30 cm to 45	
			cm	15
7	Hibiscus	8" x 10"	30 cm to 45	
			cm	28
8	Ixora mini	8" x 10"	15 cm to 30	
			cm	28
9	Ixora Duffy pink	8" x 10"	15 cm to 30	
			cm	48
10	Ixorachinensis	7" x 8"	15 cm to 20	
			cm	48
11	Ixora singaporensis	8" x 10"	20 cm to 45	
			cm	35
12	Jatropha	8" x 10"	20 cm to 45	
			cm	21
13	Tagar mini	8" x 10"	15 cm to 30	
			cm	28
14	Mogara/Jasminum	8" x 10"	15 cm to 30	
			cm	20
15	Murraya / Kamini	7" x 8"	20 cm to 30	
			cm	20
16	Mussaenda	8" x 10"	20 cm to 45	
			cm	55
17	Nerium	8" x 10"	30 cm to 60	
			cm	20

18	Nerium dwarf	7" x 8"	15 cm to 20	
			cm	35
19	Ratrani/Night queen	8" x 10"	30 cm to 45	
			cm	20
20	Pentas	7" x 8"	15 cm to 25	
			cm	28
21	Plumbago	8" x 10"	30 cm to 45	
			cm	55
22	Powder puff plant	8" x 10"	30 cm to 45	
			cm	48
23	Russelia	7" x 8"	15 cm to 30	
			cm	28
24	Tagar	7" x 8"	15 cm to 30	
			cm	22
25	Tagar variegated	7" x 8"	15 cm to 30	
			cm	28
26	Tagama aanansis		15 cm to 30	
	Tecoma capensis	7" x 8"	cm	40
27	Thevetia		30 cm to 45	
	Theveua	7" x 8"	cm	15
28	Haliaania any tyna		30 cm to 45	
	Heliconia any type	7" x 8"	cm	40
29			120cm to	
	Plumeria Alba	13" x 13"	180cm	616
30			120cm to	
	Plumeria Rubra	13" x 13"	180cm	1028
31			60 cm to 90	
	Plumeria Dwarf singapore pink	13" x 13"	cm	548
32			15 cm to 20	
	Spathiphyllum	7" x 8"	cm	35
33			30 cm to 45	
	Sonchafa Grafted	8" x 10"	cm	206

1 (b)Flowering Shrubs				
S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved Rates
			15 cm to 30	
1	Aboli/Crossandra	7" x 8"	cm	42
	Allamanda		15 cm to 30	
2	Allallialida	10" x 10"	cm	55
	Cassalninia nylahamima		45 cm to 60	
3	Caesalpinia pulcherrima	8" x 10"	cm	48
	Eranthemum laxiflorum		45 cm to 60	
4	Lianulemum laxillolum	8" x 10"	cm	48

5	Gardenia/Anant	8" x 10"	45 cm to 60cm	70
6	Hamelia patens	8" x 10"	45 cm to 60cm	40
7	Hibiscus	8" x 10"	45 cm to 60cm	65
8	Ixora mini	8" x 10"	30 cm to 45cm	55
9	Ixora Duffy pink	8" x 10"	25 cm to 40cm	70
10	Ixorachinensis	8" x 10"	25 cm to 40 cm	70
11	Ixora singaporensis	8" x 10"	30 cm to 60cm	95
12	Jatropha	8" x 10"	45 cm to 60cm	40
13	Tagar mini	9"x11"	20 cm to 45cm	55
14	Mogara/Jasminum	9"x11"	20 cm to 45cm	48
15	Murraya / Kamini	9"x11"	20 cm to 45cm	55
16	Mussaenda	9"x11"	20 cm to 45cm	110
17	Nerium	8" x 10"	60 cm to 90cm	55
18	Nerium dwarf	8" x 10"	45 cm to 60cm	70
19	Ratrani/Night queen	8" x 10"	45 cm to 60cm	55
20	Pentas	6" Pot	20 cm to 30cm	55
21	Plumbago	9"x11"	45 cm to 60cm	110
22	Powder puff plant	13" x 13"	45 cm to 60cm	82
23	Russelia	8" x 10"	30 cm to 45cm	55
24	Tagar	10" x 10"	30 cm to 60cm	48
25	Tagar variegated	10" x 10"	30 cm to 60cm	48
26	Tecoma capensis	10" x 10"	30 cm to 60cm	70
27	Thevetia	10" x 10"	60 cm to 75cm	30
-				

28	Heliconia any type	18 " x 18 "	60 cm to 75 cm	70
29	Plumeria Alba	18 " x 18 "	240cm to 270cm	1233
30	Plumeria Rubra	18 " x 18 "	240cm to 270cm	2055
31	Plumeria Dwarf singapore pink	18 " x 18 "	90 cm to 120 cm	2740
32	Spathiphyllum	8" x 10"	15 cm to 30 cm	69
33	Sonchafa Grafted	10" x 10"	90 cm to 120 cm	343

2 (a) Foliage Shrubs Specification:- Well Developed ,Fresh, Healthy bright Colour Leaves ,free from pest and diseases

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved <u>Rates</u>
1	Aglaonema	8" x 10"	30 cm to 45	205
			cm	
2	Alpinia	8" x 10"	30 cm to 45	110
	7 Hpmu		cm	
3	Aralia	7" x 8"	30 cm to 45	35
	Thund		cm	
4	Asparagus	7" x 8"	20 cm to 30	20
	rispuragus		cm	
5	Cordyline	10" x 10"	30 cm to 45	40
	Cordynne		cm	
6	Croton	7" x 8"	20 cm to 30	35
	010001		cm	
7	Cyperus golden	13" x 13"	60 cm to 90	480
	Cyperus gordon		cm	
8	Dianella	7" x 8"	20 cm to 30	20
	2 10110110		cm	
9	Dieffenbachia	13" x 13"	30 cm to 45	55
			cm	
10	Duranta Golden	7" x 8"	25 cm to 30	20
	2 0.200.00		cm	
11	Fern	8" x 10"	15 cm to 30	28
	-	0.00	cm	
12	Ficus benjamina	8" x 10"	30 cm to 60	55
	- J		cm	
13	Ficus blackeana	8" x 10"	30 cm to 45	55
			cm	

14	Ficus Golden	8" x 10"	30 cm to 45 cm	55
15	Ficus nuda	8" x 10"	30 cm to 45 cm	70
16	Ficus panda	8" x 10"	30 cm to 45 cm	70
17	Ficus Safari	8" x 10"	30 cm to 45 cm	95
18	Ficus Starlight	8" x 10"	30 cm to 45 cm	95
19	LailaMajnu/Exocaria	8" x 10"	25 cm to 30 cm	40
20	Limonia	8" x 10"	25 cm to 30 cm	55
21	Malphigia	8" x 10"	30 cm to 45 cm	20
22	Maranta	8" x 10"	15 cm to 30 cm	70
23	Mayurpankhi/Thuja	8" x 10"	30 cm to 45 cm	55
24	Pisonia alba	8" x 10"	20 cm to 30 cm	55
25	Pedilanthus	8" x 10"	30 cm to 45 cm	15
26	Schefflera green	8" x 10"	20 cm to 30 cm	40
27	Schefflera variegated	8" x 10"	30 cm to 45 cm	69
28	Bostan Fern	8" x 10"	20 cm to 30 cm	410

2 (b) Fol	2 (b) Foliage Shrubs				
Sr. No.	Name Of Plant	Bag Size	Height Of Plant	Approved Rates	
1	Aglaonema	13" x 13"	30 cm to 60 cm	615	
2	Alpinia	13" x 13"	30 cm to 60 cm	205	
3	Aralia	13" x 13"	30 cm to 60 cm	95	
4	Asparagus	10" x 10"	30 cm to 45 cm	45	
5	Cordyline	13" x 13"	30 cm to 60 cm	206	

6	Croton	13" x 13"	30 cm to 60 cm	165
7	Cycas	18" x 18"	90 cm to 120 cm	2055
8	Cyperus golden	18" x 18"	90 cm to 120 cm	754
9	Dianella	10" x 10"	30 cm to 45 cm	45
10	Diffenbachia	13" x 13"	45 cm to 60 cm	95
11	Duranta Golden	10" x 10"	30 cm to 45 cm	35
12	Fern (Common)	10" x 10"	30 cm to 45 cm	65
13	Ficus Benjamin	13" x 13"	60 cm to 90 cm	140
14	Ficus blackeana	13" x 13"	45 cm to 60 cm	140
15	Ficus Golden	13" x 13"	45 cm to 60 cm	140
16	Ficus nuda	13" x 13"	45 cm to 60 cm	165
17	Ficus panda	13" x 13"	45 cm to 60 cm	165
18	Ficus Safari	13" x 13"	45 cm to 60 cm	206
19	Ficus Starlight	13" x 13"	45 cm to 60 cm	206
20	Malphigia	10" x 10"	45 cm to 60 cm	45
21	Mayurpankhi/Thuja	13" x 13"	45 cm to 60 cm	206
22	Pisonia alba	10" x 10"	30 cm to 45 cm	206
23	Pedilanthus	10" x 10"	30 cm to 45 cm	35
24	Schefflera green	13" x 13"	45 cm to 60 cm	110
25	Schefflera variegated	13" x 13"	45 cm to 60 cm	206

3. Flowering Climbers and Creepers Specification:- Well Developed, Healthy Fresh Free from Pest and Diseses				
Sr. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Lahsunvel/ Garlic wine (Mansoa alliacea)	7" x 8"	15 cm to 30 cm	28
2	Allamanda (Allamanda cathertica)	7" x 8"	15 cm to 30 cm	42
3	Clerodendrum	7" x 8"	15 cm to 30 cm	42
4	Rangoon creeper/ Madhu malati (Combretumindicum)	7" x 8"	15 cm to 30 cm	35
5	Jai (Jasminum grandiflorum)	7" x 8"	15 cm to 30 cm	20
6	Kunda (Jasminum multiflorum)	7" x 8"	15 cm to 30 cm	20
7	Jui (Jasminum officinale)	7" x 8"	15 cm to 30 cm	20
8	Honey suckles (Lonicerahildebrandiana)	7" x 8"	15 cm to 30 cm	28
9	Passionflower (Passiflora Blue)	7" x 8"	15 cm to 30 cm	42
10	Heavenly blue/Morning glory (Thunbergia grandiflora)	7" x 8"	15 cm to 30 cm	28
11	Clerodendron (Clerodendron splendens)	7" x 8"	15 cm to 30 cm	48

4 Bulbous/Rhizomatous plants Specification:- Healthy, Fresh, Free from Diseses and Pest				
S. No.	Name Of Plant	No	Rate per No	Approved rates
	Amarallis lily		30 cm to 45	28
1		7" X 8"	cm	20
	Begonia		30 cm to 45	28
2		7" X 8"	cm	20
	Canna Dwarf		30 cm to 40	20
3		7" X 8"	cm	20
	Dahlia		30 cm to 45	48
4		7" X 8"	cm	70
	Hedychium-Sontakka		30 cm to 45	28
5		7" X 8"	cm	20
	Lilium sp.		15 cm to 20	140
6		7" X 8"	cm	140

7	Lily	7" X 8"	30 cm to 45 cm	15
8	Spider lily—Hymenocallis	7" X 8"	30 cm to 45 cm	15
9	Tuberose	7" X 8"	30 cm to 45 cm	20
10	Chrysanthemum	7" X 8"	30 cm to 45 cm	35

5 (a) Flowering Trees

Specification:- Minimum Girth 2 to 3 c.m. Minimum 4 to 5 Branches with Maximum number of Leaves, Plant should be Healthy condition Free from pest and diseases, well seteled in appropriate size of Plybag, uniform in size and root system are undamaged.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Bahva (Amaltash)	8" x 10"	3 ft to 4 ft	82
2	Bakul	8" x 10"	3 ft to 4 ft	82
3	Bottle brush	8" x 10"	3 ft to 4 ft	55
4	Gulmohar	8" x 10"	3 ft to 4 ft	55
5	Kadamb	8" x 10"	3 ft to 4 ft	68
6	Kanchan	8" x 10"	3 ft to 4 ft	68
7	Largesstroemea	8" x 10"	3 ft to 4 ft	68
9	Nilmohar	8" x 10"	3 ft to 4 ft	68
10	Parijat	8" x 10"	3 ft to 4 ft	95
11	Rain tree	8" x 10"	3 ft to 4 ft	55
12	Sita ashok	8" x 10"	3 ft to 4 ft	110
13	Sonmohor/Peltophorum	8" x 10"	3 ft to 4 ft	55
14	Spathodia	8" x 10"	3 ft to 4 ft	55
15	Tabebuia	8" x 10"	3 ft to 4 ft	68
16	Palas	8" x 10"	3 ft to 4 ft	68

5 (b) Flowering Trees

Specification:- Minimum Girth 5 to 7 c.m. Minimum 5 to 6 Branches with Maximum number of Leaves, with clear tunk, healthy condition Free from pest and diseases, well seteled in appropriate size of Plybag, uniform in size and root system are undamaged.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Bahva (Amaltash)	13" x 13"	6 ft to 8 ft	274
2	Bakul	13" x 13"	6 ft to 8 ft	274
3	Bottle brush	13" x 13"	6 ft to 8 ft	345
4	Gulmohar	13" x 13"	6 ft to 8 ft	205
5	Kadamb	13" x 13"	6 ft to 8 ft	274
6	Kanchan	13" x 13"	6 ft to 8 ft	345
7	Largesstroemea	13" x 13"	6 ft to 8 ft	345
8	Nilmohar	13" x 13"	6 ft to 8 ft	205
9	Parijat	13" x 13"	6 ft to 8 ft	411
10	Rain tree	13" x 13"	6 ft to 8 ft	205
11	Sita ashok	13" x 13"	6 ft to 8 ft	410
12	Sonmohor/Peltophorum	13" x 13"	6 ft to 8 ft	205
13	Spathodia	13" x 13"	6 ft to 8 ft	205
14	Tabebuia	13" x 13"	6 ft to 8 ft	274
15	Palas	13" x 13"	6 ft to 8 ft	410

5 (c) Flowering Trees

Specification:- Minimum Girth 8 to 10 c.m. Minimum 5 to 6 Branches with Maximum number of Leaves ,clear trunk, well Developed Canopy,Healthy conditionFree from pest and diseases,well seteled in appropriate size of Plybag,uniform in size and root system are undamaged.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Bahva (Amaltash)	18" x 18"	8 ft to 10 ft	548
2	Bakul	18" x 18"	8 ft to 10 ft	548
3	Bottle brush	18" x 18"	8 ft to 10 ft	480
4	Gulmohar	18" x 18"	8 ft to 10 ft	380
5	Kadamb	18" x 18"	8 ft to 10 ft	480
6	Kanchan	18" x 18"	8 ft to 10 ft	548

7	Largesstroemea	18" x 18"	8 ft to 10 ft	615
8	Nilmohar	18" x 18"	8 ft to 10 ft	480
9	Rain tree	18" x 18"	8 ft to 10 ft	480
10	Sita ashok	18" x 18"	8 ft to 10 ft	685
11	Sonmohor/Peltophorum	18" x 18"	8 ft to 10 ft	480
12	Spathodia	18" x 18"	8 ft to 10 ft	480
13	Tabebuia	18" x 18"	8 ft to 10 ft	548

5 (d) Flowering Trees

Specification:- Minimum Girth 10m to 15 c.m. Clear trunk, with Maximum number of Leaves, well Developed CanopyFree from pest and diseases, well seteled in appropriate size of Plybag, uniform in size and root system are undamaged.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Bahva (Amaltash)	21" x 21"	Above 10 ft	1300
2	Bakul	21" x 21"	Above 10 ft	1300
3	Kadamb	21" x 21"	Above 10 ft	1233
4	Rain tree	21" x 21"	Above 10 ft	1200
5	Sonmohor/Peltophorum	21" x 21"	Above 10 ft	1200
6	Spathodia	21" x 21"	Above 10 ft	1200
7	Tabebuia	21" x 21"	Above 10 ft	1200

6 (a) Foliage Trees

Specification:- Minimum Girth 2 to 3 c.m. Minimum 4 to 5 Branches with Maximum number of Leaves, Plant should be Healthy condition Free from pest and diseases, well seteled in appropriate size of Plybag, uniform in size and root system are undamaged.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Alstonia/Satvin	8" x 10"	3 ft to 4 ft	82
2	Anola	8" x 10"	3 ft to 4 ft	82
3	Arjuna	8" x 10"	3 ft to 4 ft	82
4	Bael	8" x 10"	3 ft to 4 ft	95
5	Baheda	8" x 10"	3 ft to 4 ft	55
6	Dalbergia	8" x 10"	3 ft to 4 ft	68
7	Deshi Badam	8" x 10"	3 ft to 4 ft	55

8	Drooping Ashok	8" x 10"	3 ft to 4 ft	82
9	Filicium/Fern Tree	8" x 10"	3 ft to 4 ft	137
10	KaduNeem	8" x 10"	3 ft to 4 ft	82
11	Karanj	8" x 10"	3 ft to 4 ft	55
12	Peepal	8" x 10"	3 ft to 4 ft	82
13	Putranjivia	8" x 10"	3 ft to 4 ft	82
14	Silver Oak	8" x 10"	3 ft to 4 ft	110
15	Tamarind	8" x 10"	3 ft to 4 ft	68
16	Wad/banyan	8" x 10"	3 ft to 4 ft	110

6 (b) Foliage Trees

Specification:- Minimum Girth 5 to 7 c.m. Minimum 5 to 6 Branches with Maximum number of Leaves, with clear tunk, healthy condition Free from pest and diseases, well seteled in appropriate size of Plybag, uniform in size and root system are undamaged.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Alstonia/Satvin	13" x 13"	6 ft to 8 ft	205
2	Anola	13" x 13"	6 ft to 8 ft	205
3	Arjuna	13" x 13"	6 ft to 8 ft	205
4	Deshi Badam	13" x 13"	6 ft to 8 ft	205
5	Drooping Ashok	13" x 13"	6 ft to 8 ft	274
6	Filicium/Fern Tree	13" x 13"	6 ft to 8 ft	411
7	KaduNeem	13" x 13"	6 ft to 8 ft	205
8	Karanj	13" x 13"	6 ft to 8 ft	205
9	Peepal	13" x 13"	6 ft to 8 ft	275
10	Putranjivia	13" x 13"	6 ft to 8 ft	275
11	Silver Oak	13" x 13"	6 ft to 8 ft	275
12	Tamarind	13" x 13"	6 ft to 8 ft	275
13	Wad/banyan	13" x 13"	6 ft to 8 ft	410

6 (c) Foliage Trees

Specification:- Minimum Girth 8 to 10 c.m. Minimum 5 to 6 Branches with Maximum number of Leaves ,clear trunk, well Developed Canopy,Healthy conditionFree from pest and diseases,well seteled in appropriate size of Plybag,uniform in size and root system are undamaged.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Alstonia/Satvin	18" x 18"	8 ft to 10 ft	480
2	Anola	18" x 18"	8 ft to 10 ft	550
3	Arjuna	18" x 18"	8 ft to 10 ft	550
4	Deshi Badam	18" x 18"	8 ft to 10 ft	480
5	Drooping Ashok	18" x 18"	8 ft to 10 ft	685
6	Filicium/Fern Tree	18" x 18"	8 ft to 10 ft	685
7	KaduNeem	18" x 18"	8 ft to 10 ft	480
8	Karanj	18" x 18"	8 ft to 10 ft	480
9	Peepal	18" x 18"	8 ft to 10 ft	615
10	Putranjivia	18" x 18"	8 ft to 10 ft	615
11	Silver Oak	18" x 18"	8 ft to 10 ft	685
12	Wad/banyan	18" x 18"	8 ft to 10 ft	822

7 (a) Hedges

Specification:- Well Developed, Healthy Foliage / Half Bloom Stage , Free from Pest and Diseases.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Acalypha	7" x 8"	20 cm and above	12
2	Bongainvillea	7" x 8"	20 cm and above	20
3	Duranta golden	7" x 8"	20 cm and above	20
4	Duranta other	7" x 8"	20 cm and above	30
5	Eranthimum	7" x 8"	20 cm and above	15
6	Hamelia	7" x 8"	20 cm and above	15
7	Hibiscus	7" x 8"	20 cm and above	28

8	Justicia coccinia	7" x 8"	20 cm and above	15
9	Lantana	7" x 8"	20 cm and above	16
10	Malpighia coccigera	7" x 8"	20 cm and above	20
11	Telecoma stans	7" x 8"	20 cm and above	20
12	Bougavillae Thema	7" x 8"	20 cm and above	40
13	Bougavillae Glabra	7" x 8"	20 cm and above	55

7(b) Hedges Specification:- Well Developed, Healthy Foliage / Half Bloom Stage , Free from Pest and Diseases.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
			40 cm to 50	
1	Acalypha	8" x 10"	cm	35
	Bongainvillea Common		30 cm to 50	
2	Bongamvinea Common	8" x 10"	cm	55
	Duranta golden		30 cm to 50	
3	Duranta golden	8" x 10"	cm	42
	Duranta other		30 cm to 50	
4	Duranta otner	8" x 10"	cm	55
	Eranthimum		20 cm to 45	
5	Liantimum	8" x 10"	cm	48
	Hamelia		20 cm to 45	
6	Tumena	8" x 10"	cm	48
	Hibiscus		20 cm to 45	
7	Thoiseus	8" x 11"	cm	68
	Malpighia coccigera		30 cm to 60	
8	Waipigina coccigora	10" x 10"	cm	42
	Telecoma stans		30 cm to 60	
9	1 ciccoma stans	10" x 10"	cm	68
			30 cm to 50	
10	Bougavillae Thema	8" x 10"	cm	95
			30 cm to 50	
11	Bouganvillae Glabra	8" x 10"	cm	95

7 (c) Hedges

Specification:- Well Developed, Healthy Foliage / Half Bloom Stage , Free from Pest and Diseases.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Bongainvillea sp Singh	13" x 13"	50 cm to 60 cm	342
2	Telecoma stans	13" x 13"	50 cm to 60 cm	205
3	Bougavillae Thema	13" x 13"	50 cm to 60 cm	480
4	Bouganvillae Glabra	13" x 13"	50 cm to 60 cm	480

7 (d) Hedges

 $\textbf{Specification:-} \ \ \textbf{Well Developed, Healthy Foliage} \ / \ \ \textbf{Half Bloom Stage} \ , \ \textbf{Free from Pest and Diseases}.$

Sr. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
	Bongainvillea sp Singh		60 cm to 75	
1	Bongamvinea sp Singii	18" x 18"	cm	822
			60 cm to 75	
2	Bougavillae Thema	18" x 18"	cm	1100
			60 cm to 75	
3	Bouganvillae Glabra	13" x 13"	cm	1100

8 Ground Covers

Specification:- Well Developed, Healthy, Free from Pest an Disease.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
			15 cm to 20	
1	Alternenthera	4" x 5"	cm	15
	Amaryllis spp		10 cm to 20	
2	Amaryms spp	5" x 6"	cm	15
	Asparagus		10 cm to 20	
3	Asparagus	7" x 8"	cm	20
	Chlorophytum		15 cm to 20	
4	Cinorophytum	7" x 8"	cm	20
	Coleus		10 cm to 20	
5	Colcus	5" x 6"	cm	12
	Daisy		10 cm to 20	
6	Daisy	5" x 6"	cm	12
	Gerbera		15 cm to 20	
7	Geroera	7" x 8"	cm	28
	Pilea		10 cm to 20	
8	1 1100	5" x 6"	cm	12

	Porthulaca	5" C"	10 cm to 20	20
9		5" x 6"	cm	20
	Ribbon grass/Phalaris		10 cm to 20	
10	Kibbon grass/i nataris	7" x 8"	cm	28
	Thunder lily/Zephyranthus		10 cm to 20	
11	Thunder my/Zephyranulus	5" x 6"	cm	20
			10 cm to 20	
12	Zebrina pendula	5" x 6"	cm	15
			10 cm to 20	
13	wadelia	5" x 6"	cm	15
			10 cm to 20	
14	Ipomia	5" x 6"	cm	15
			10 cm to 20	
15	Rhoea	5" x 6"	cm	20

9 (A) Hybrid Flowering Seasonal seedlings Specification:- Fresh Healthy, Free From Pest and Diseases at least 4 to 5 leaves

S. No.	Name Of Plant	Tray	Height Of	Approved
		3	Plant	rates
	Antirrhinum		5 cm and	
1		104 nos	above	528
	Aster		5 cm and	
2		104 nos	above	520
	Impatiens balsamina		5 cm and	
3	_	104 nos	above	1217
	Begonia		5 cm and	
4		104 nos	above	676
	Calendula		5 cm and	
5		104 nos	above	520
	Carnation		5 cm and	
6		104 nos	above	1758
	Celosia cristata		5 cm and	
7		104 nos	above	520
	Celosia plumosa		5 cm and	
8		104 nos	above	520
	Chrysanthemum		5 cm and	
9		104 nos	above	780
	Coleus		5 cm and	
10		104 nos	above	520
	Cosmos		5 cm and	
11		104 nos	above	520
	DahliaSeasonal		5 cm and	
12		104 nos	above	777
	Dianthus			
			5 cm and	
13		104 nos	above	723

	Gaillardia		5 cm and	
14		104 nos	above	588
	Gazania		5 cm and	
15		104 nos	above	676
	Geranium		5 cm and	
16		104 nos	above	1555
	Gerbera		5 cm and	
17		104 nos	above	3786
	Globe amaranths/Gomphrena		5 cm and	
18	globosa	104 nos	above	520
4.0	Impatiens	101	5 cm and	
19		104 nos	above	1217
20	Marigold African	104	5 cm and	72 0
20		104 nos	above	520
0.1	Marigold French	104	5 cm and	505
21		104 nos	above	507
	Pansy		5 cm and	
22		104 nos	above	777
	Petunia		5 cm and	
23		104 nos	above	723
	Phlox		5 cm and	
24		104 nos	above	541
	Phlox star		5 cm and	
25		104 nos	above	546
	Salvia		5 cm and	
26		104 nos	above	520
	Silver dust		5 cm and	
27		104 nos	above	650
	Sunflower		5 cm and	
28		104 nos	above	520
	Sweet Willium		5 cm and	
29		104 nos	above	780
	Torenia		5 cm and	
30		104 nos	above	723
	Verbena		5 cm and	
31		104 nos	above	655
	Vinca		5 cm and	
32		104 nos	above	1082
	Zinnia giant		5 cm and	
33		104 nos	above	1048
	ZinniaButton		5 cm and	
34		104 nos	above	790
	Vegitable Seedling in Tray		5 cm and	
35		104 nos	above	520

	Net Pot Material for vertical wall		5 cm and	
36		Per No.	above	20

9 (B) Hybrid Flowering Seasonal in bags

Specification:- Healthy, Fresh, well Branch an well Developed with Fresh and Free from Pest and Diseses and in half Bloom Stage.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Antirrhinum	6" x 7"	10 cm and above	20
2	Aster	6" x 7"	10 cm and above	20
3	Impatiens balsamina	6" x 7"	10 cm and above	24
4	Begonia	6" x 7"	10 cm and above	22
5	Calendula	6" x 7"	10 cm and above	15
6	Celosia cristata	6" x 7"	10 cm and above	20
7	Celosia plumose	6" x 7"	10 cm and above	20
8	Chrysanthemum	6" x 7"	10 cm and above	22
9	Cosmos	6" x 7"	10 cm and above	20
10	DahliaSeasonal	6" x 7"	10 cm and above	45
11	Daisy	6" x 7"	10 cm and above	40
12	Dianthus	6" x 7"	10 cm and above	24
13	Gaillardia	6" x 7"	10 cm and above	20
14	Gazania	6" x 7"	10 cm and above	20
15	Geranium	6" x 7"	10 cm and above	40
16	Gerbera	6" x 7"	10 cm and above	50
17	Globe amaranths/Gomphrena globosa	6" x 7"	10 cm and above	15
18	Hypoestes	6" x 7"	10 cm and above	20

19	Kochia	6" x 7"	10 cm and above	25
20	Marigold African	6" x 7"	10 cm and above	22
21	Marigold French	6" x 7"	10 cm and above	22
22	Pansy	6" x 7"	10 cm and above	22
23	Petunia	6" x 7"	10 cm and above	24
24	Phlox	6" x 7"	10 cm and above	22
25	Phlox star	6" x 7"	10 cm and above	22
26	Salvia	6" x 7"	10 cm and above	24
27	Silver dust	6" x 7"	10 cm and above	20
28	Sunflower	6" x 7"	10 cm and above	20
29	Sweet Willium	6" x 7"	10 cm and above	20
30	Torenia	6" x 7"	10 cm and above	22
31	Verbena	6" x 7"	10 cm and above	22
32	Vinca	6" x 7"	10 cm and above	22
33	Zinnia giant	6" x 7"	10 cm and above	28
34	ZinniaButton	6" x 7"	10 cm and above	28

10 (a) Indoor Plants in pots

Specification:- Plant should be well Developed, Healthy conition, Plant should be Pest and disese Free.

S. No.	Name Of Plant	Pot Size	Height Of Plant	Approved rates
	Aglaonema spp		20 cm to 30	
1		6" Pots	cm	205
	Anthurium		20 cm to 30	
2		6" Pots	cm	345
	Aglaonema anjuman		20 cm to 30	
3		6" Pots	cm	480
	Aglonema lipstic		20 cm to 30	
4		6" Pots	cm	345

	Aralia		20 cm to 30	
5	Tituliu	6" Pots	cm	68
	Chlorophytum		20 cm to 30	
6	Control Programme	6" Pots	cm	55
	Chlorophytum comosum		20 cm to 30	
7	T J	6" Pots	cm	55
	Costus		30 cm to 45	
8	200	6" Pots	cm	82
	Croton Petra		20 cm to 30	
9		6" Pots	cm	82
	Cryptanthus		20 cm to 30	
10		6" Pots	cm	55
	DracaenaGolden		20 cm to 30	
11		6" Pots	cm	110
	DracaenaGreen		20 cm to 30	
12		6" Pots	cm	85
	Dracaenared ruby		20 cm to 30	
13		6" Pots	cm	85
	Eranthemum		30 cm TO 45	
14		6" Pots	cm	55
	Ixora		20 cm to 30	
15		6" Pots	cm	138
	Jade Plant		20 cm to 30	
16		6" Pots	cm	55
	Kalanchoe		30 cm TO 45	
17		6" Pots	cm	55
	Money Plant Golden		20 cm to 30	
18		6" Pots	cm	50
	Money Plant green		20 cm to 30	
19		6" Pots	cm	50
	Money Plant Marble		20 cm to 30	
20		5" Pots	cm	62
	Monstera		20 cm to 30	
21		5" Pots	cm	82
	Oxycardium golden		20 cm to 30	
22		5" Pots	cm	62
	Oxycardium green		20 cm to 30	
23		5" Pots	cm	62
	Poinsettia		20 cm to 30	-
24		6" Pots	cm	205
_	Sansevieria		20 cm to 30	
25		6" Pots	cm	205
_	Spathiphyllum		20 cm to 30	
26		6" Pots	cm	82

	Syngonium pink		20 cm to 30	
27		6" Pots	cm	62
	Tradescantia		10 cm to 20	
28		6" Pots	cm	40
	Zamia		10 cm to 20	
29		6" Pots	cm	275
	Philedendron gold		10 cm to 20	
30		6"pots	cm	68

10 (b) Indoor Plants in pots
Specification:- Plant should be well Developed, Healthy conition, Plant should be Pest and disese Free.

S. No.	Name Of Plant	Pot Size	Height Of Plant	Approved rates
1	A gloonome can	8" Pots	30 cm to 45	480
1	Aglaonema spp	o Pois	cm 30 cm to 45	
2	Aralia	8" Pots	cm 30 cm to 45	275
3	Croton Petra	8" Pots	30 cm to 45 cm	205
4	Dracaena Golden	8" Pots	30 cm to 45 cm	345
5	Dracaena Green	8" Pots	30 cm to 45 cm	275
6	Dracaena red ruby	8" Pots	30 cm to 45 cm	275
7	Money Plant Golden	10" mosstick pots	60 cm to 90 cm	615
8	Money Plant green	10" mosstick pots	60 cm to 90 cm	615
9	Money Plant Marble	10" mosstick pots	60 cm to 90 cm	615
10	Monstera	10" mosstick pots	60 cm to 90 cm	615
11	Oxycardium golden	10" mosstick pots	60 cm to 90 cm	615
12	Oxycardium green	10" mosstick pots	60 cm to 90 cm	615
13	Poinsettia	8" Pots	30 cm to 45 cm	480
14	Sansevieria	8" Pots	30 cm to 60 cm	480
15	Zamia	8" Pots	20 cm to 30	480

11 (a) Palms

Specification:- Palm should be well Developed, Good Branching ,healthy Condition, appropriate Size in Polybag, undamaged.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Supari	10" x 12"	3 to 4 ft.	210
2	Areca Palm	10" x 12"	3 to 4 ft.	140
3	Royal palm	10" x 12"	3 to 4 ft.	210
4	Fox tail palm	10" x 12"	3 to 4 ft.	210
5	Raphis palm	10" x 12"	2 to 3 ft.	345

11 (b) Palms

Specification:- Palm should be well Developed, Good Branching ,healthy Condition, appropriate Size in Polybag, undamaged.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved Rates
1	Supari	13" x 13"	4 to 6 ft.	480
2	Bismarkia	13" x 13"	4 to 5 ft.	2055
3	Coconut	13" x 13"	4 to 5 ft.	415
4	Sealing Wax Palm	15" x 16"	5 to 6 ft.	415
5	Areca Palm	13" x 13"	4 to 5 ft.	275
6	Fox tail palm	13" x 13"	4 to 6 ft.	345
7	Raphis palm	13" x 13"	3 to 4 ft.	548

11 (c) Palms

Specification:- Palm should be well Developed, Good Branching ,healthy Condition, appropriate Size in Polybag, undamaged.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Supari	15" x 16"	5 to 7 ft.	1200
2	Bismarkia	15" x 16"	6 to 8 ft.	3425
3	Areca Palm	15" x 16"	5 to 7 ft.	480
4	Fox tail palm	15" x 16"	6 to 7 ft.	620
5	Raphis palm	15" x 16"	4 to 5 ft.	1100

11(d) Palms

Specification:- Palm should be well Developed, Good Branching ,healthy Condition, appropriate Size in Polybag, undamaged.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Areca Palm	18" x 18"	7 to 8 ft	1250
2	Royal palm	18" x 18"	7 to 8 ft	825
3	Fox tail palm	18" x 18"	7 to 10 ft	1100
4	Raphis palm	18" x 18"	5 to 7 ft	1240

5	Golden wichimeri	18" x 18"	5 ft to 6 ft	3425
6	Green wichimeri	18" x 18"	5 ft to 6 ft	2750

11 (e) Palms

Specification:- Palm should be well Developed, Good Branching ,healthy Condition, appropriate Size in Polybag, undamaged.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Areca Palm	21" X 21"	9 ft and above	2100
2	Royal palm	21" X 21"	9 ft and above	2100
3	Fox tail palm	21" X 21"	9 ft and above	2100

12 Aromatic & Medicinal Plants

Specification:- Healthy ,Fresh, Free from Pest and Diseses.

Sr. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Tulas	7" x 8"	15 cm to 30 cm	15
		7" x 8"	15 cm to 30	
2	Alovera (Korphad)		15 cm to 30	20
3	Mint (Pudina)	7" x 8"	cm	15
4	Stevia	7" x 8"	15 cm to 30 cm	28
5	Lemon Grass (Gavti chaha)	7" x 8"	15 cm to 30 cm	28
6	Curry Leaves (Kadipatta)	7" x 8"	15 cm to 30 cm	20
9	Ashwagandha	7" x 8"	15 cm to 30 cm	35
10	Akkalkara	7" x 8"	15 cm to 30 cm	28
11	Betal Vine	7" x 8"	15 cm to 30 cm	35
12	Gulvel (Giloe)	7" x 8"	15 cm to 30 cm	35

13 (a) Roses

Specification:- Roses are Healthy, well grown ,Fresh,free from Pest and Diseses,No any

Damage at site.

Sr. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
		7" x 8"	20 cm to 30	
1	HT (Hybrid Tea)	/ X 0	cm	55
		7" x 8"	20 cm to 30	
2	Floribunda diff.Variety	/ X O	cm	42
		7" x 8"	20 cm to 30	
3	Polyantha diff .Variety	/ X O	cm	42
		7" x 8"	20 cm to 30	
4	Minature diff. Variety	/ A O	cm	42
		7" x 8"	20 cm to 30	
5	Climbing diff.Variety	/ A O	cm	138

13 (b) Roses

Specification:- Roses are Healthy, well grown ,Fresh,free from Pest and Diseses,No any Damage at site.

Sr. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
			30 cm to 45	
1	HT (hybrid tea) diff. var.	10" x 12"	cm	138
			30 cm to 45	
2	Floribunda diff. var.	10" x 12"	cm	205
			30 cm to 45	
3	Polyantha diff. var.	10" x 12"	cm	205
			30 cm to 45	
4	Miniature diff. var.	10" x 12"	cm	205
			30 cm to 45	
5	Climbing diff. var.	10" x 12"	cm	274

14	Lawn Grasses				
	Specification: Loose Grass with some soil attach, Fresh, Free form weed. Free from Pest and diseses				
Sr. No.	. No. Lawn Grasses Unit Appropriates/U Kg/Sq				
1	American blue grass, Selection No.1 / Barmuda & Pasphallum Grass.(1 kg Loose lawn covers 2 sq.ft area i.e 6 kg for 1 Sq.Mtr Area .)	Per Kg /Sq Mt	10 /kg 60 / Sq.Mtr		
	Specification:- Mexican or Korian Grass Turf, Selection No.1 with garden soil 50 to 60 mm thickness. ,At time of handling over lawn/turf should be levelled dressed grass at site fresh and free from weeds ,pest & diseases.				
2	Mexican or Korian Grass Turf, Selection No.1 American blue grass, / Barmuda etc ready to fix lawn turf in Slabs/ Rolls of required variety as directed Rates Including breakage,& Transportation Damage losses.	Per Sq Mt	215		

6. Material Consumption Statement

A) Filling of soil and manure for 1 sq. mtr area

(3:1)

Depth	Soil/ Silt (Cumtr)	Manure (Cumtr)
30 cm	0.261	0.081
25 cm	0.218	0.068
20 cm	0.174	0.054
15 Cm	0.131	0.041
10 cm	0.087	0.027
5 cm	0.044	0.014

B) For pit

(3:1)

Pit Size (Cumtr)	Soil/ Silt (Cumtr)	Manure (Cumtr)
0.30 x 0.30 x0.30 m	0.023	0.007
0.45 x 0.45 x 0.45 m	0.079	0.023
0.60 x 0.60 x 0.60 m	0.141	0.044
1.0 x 1.0 x 1.0 m	0.653	0.202

C) Plants required in 1 sq. meter area

Item	Spacing (cm)	Quantity (Nos)
Edging border /	15.0 x 15.0	44 Nos
Clipped Hedge /	20.0 x 20.0	25 Nos
Shrubbery /	25.0 x 25.0	16 Nos
Canna bed / Flower bed etc.	30.0 x 30.0	9 Nos

LEAD STATEMENT

$\textbf{STATEMENT-C} \ (\textbf{With Machine Loading})$

(FOR YEAR 2022-2023) Maharashtra

Cost of Diesel (As on 01-04-2022) 102.88 Per Litre Cost of mobile Oil (As on 01-04-2022) 322 Per Litre

Hire charges of Loader Rs.968/- per Hr. with 85% bucket effi., Cycle time 6 minutes)

Carrage of material over distance exceeding 0.50 km. including loading and unloading.

Lead in	Av.Speed		No. of	Km done	Qty of	Cost of	Qty of	Cost of	Hire Charges	Total cost	add 10%	Gross	Cost per	Cost of
Km	Km/Hrs		Trips		Diesel= 4Km/Ltr	Diesel	mobile oil in Ltr	mobile oil @322/Ltr	of Truck @ Rs. 2500 per		Overhead Charges	Total of 11+12	Trip = (Col 13/4)	loader per trip of
									Day		Ü			tipper
L	S	F	N=8/((F*(L/S))+1)	(2*NL) +6										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0.50	15.00	2.00	7.50	13.50	3.38	347.73	0.076	24.49	2500.00	2872.22	287.22	3159.44	421.26	646.00
1.00	16.00	2.00	7.11	20.22	5.06	520.57	0.114	36.66	2500.00	3057.23	305.72	3362.95	472.91	646.00
1.50	16.50	2.00	6.77	26.31	6.58	676.95	0.148	47.67	2500.00	3224.62	322.46	3547.08	524.00	646.00
2.00	17.00	2.00	6.48	31.90	7.98	820.98	0.180	57.82	2500.00	3378.80	337.88	3716.68	573.90	646.00
2.50	17.25	2.00	6.20	37.01	9.25	951.64	0.208	67.02	2500.00	3518.66	351.87	3870.53	624.05	646.00
3.00	17.50	2.00	5.96	41.74	10.44	1074.07	0.235	75.64	2500.00	3649.71	364.97	4014.68	673.89	646.00
3.50	17.75	2.00	5.74	46.16	11.54	1187.24	0.260	83.61	2500.00	3770.85	377.09	4147.94	722.97	646.00
4.00	18.00	2.00	5.54	50.31	12.58	1294.23	0.283	91.14	2500.00	3885.37	388.54	4273.91	771.68	646.00
4.50	18.25	2.00	5.36	54.22	13.56	1395.05	0.305	98.24	2500.00	3993.29	399.33	4392.62	819.86	646.00
5.00	18.50	2.00	5.19	57.93	14.48	1489.70	0.326	104.91	2500.00	4094.61	409.46	4504.07	867.34	646.00
5.50	18.50	2.00	5.02	61.19	15.30	1574.06	0.344	110.85	2500.00	4184.91	418.49	4603.40	917.57	646.00
6.00	18.75	2.00	4.88	64.54	16.13	1659.45	0.363	116.86	2500.00	4276.31	427.63	4703.94	964.31	646.00
6.50	18.85	2.00	4.73	67.55	16.89	1737.64	0.380	122.37	2500.00	4360.01	436.00	4796.01	1012.95	646.00
7.00	19.00	2.00	4.61	70.48	17.62	1812.75	0.396	127.66	2500.00	4440.41	444.04	4884.45	1060.44	646.00
7.50	19.15	2.00	4.49	73.29	18.32	1884.76	0.412	132.73	2500.00	4517.49	451.75	4969.24	1107.70	646.00
8.00	19.30	2.00	4.37	75.98	19.00	1954.72	0.428	137.66	2500.00	4592.38	459.24	5051.62	1154.94	646.00
8.50	19.45	2.00	4.27	78.57	19.64	2020.56	0.442	142.29	2500.00	4662.85	466.29	5129.14	1201.52	646.00
9.00	19.60	2.00	4.17	81.06	20.27	2085.38	0.456	146.86	2500.00	4732.24	473.22	5205.46	1248.25	646.00
9.50	19.80	2.00	4.08	83.57	20.89	2149.16	0.470	151.35	2500.00	4800.51	480.05	5280.56	1293.47	646.00
10.00	20.00	2.00	4.00	86.00	21.50	2211.92	0.484	155.77	2500.00	4867.69	486.77	5354.46	1338.62	646.00
11.00	21.00	2.00	3.91	91.95	22.99	2365.21	0.517	166.56	2500.00	5031.77	503.18	5534.95	1416.68	646.00
12.00	22.00	2.00	3.83	97.83	24.46	2516.44	0.550	177.21	2500.00	5193.65	519.37	5713.02	1493.18	646.00
13.00	23.00	2.00	3.76	103.63	25.91	2665.62	0.583	187.72	2500.00	5353.34	535.33	5888.67	1568.18	646.00

Lead in Km	Av.Speed Km/Hrs	Factor	No. of Trips	Km done	Qty of Diesel= 4Km/Ltr	Cost of Diesel	Qty of mobile oil in Ltr	Cost of mobile oil @322/Ltr	Hire Charges of Truck @ Rs. 2500 per Day	Total cost	add 10% Overhead Charges	Gross Total of 11+12	Cost per Trip = (Col 13/4)	Cost of loader per trip of tipper
L	S	F	N=8/((F*(L/S))+1)	(2*NL) +6										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
14.00	24.00	2.00	3.69	109.38	27.35	2813.77	0.615	198.15	2500.00	5511.92	551.19	6063.11	1642.09	646.00
15.00	25.00	2.00	3.64	115.09	28.77	2959.86	0.647	208.44	2500.00	5668.30	566.83	6235.13	1714.66	646.00
20.00	25.00	2.00	3.08	129.08	32.27	3319.94	0.726	233.80	2500.00	6053.74	605.37	6659.11	2164.21	646.00
25.00	25.00	2.00	2.67	139.33	34.83	3583.31	0.784	252.34	2500.00	6335.65	633.57	6969.22	2613.46	646.00
30.00	30.00	2.00	2.67	166.00	41.50	4269.52	0.934	300.67	2500.00	7070.19	707.02	7777.21	2916.45	646.00
35.00	30.00	2.00	2.40	174.00	43.50	4475.28	0.979	315.16	2500.00	7290.44	729.04	8019.48	3341.45	646.00
40.00	30.00	2.00	2.18	180.55	45.14	4644.00	1.016	327.04	2500.00	7471.04	747.10	8218.14	3766.65	646.00
45.00	30.00	2.00	2.00	186.00	46.50	4783.92	1.046	336.89	2500.00	7620.81	762.08	8382.89	4191.45	646.00
50.00	30.00	1.75	2.04	210.26	52.56	5407.37	1.183	380.80	2500.00	8288.17	828.82	9116.99	4463.53	646.00
60.00	35.00	1.75	2.00	246.00	61.50	6327.12	1.384	445.57	2500.00	9272.69	927.27	10199.96	5099.98	646.00
70.00	35.00	1.75	1.78	254.89	63.72	6555.51	1.434	461.65	2500.00	9517.16	951.72	10468.88	5888.75	646.00
80.00	35.00	1.75	1.60	262.00	65.50	6738.64	1.474	474.55	2500.00	9713.19	971.32	10684.51	6677.82	646.00
90.00	35.00	1.75	1.45	267.82	66.95	6887.82	1.506	485.05	2500.00	9872.87	987.29	10860.16	7466.36	646.00
100.00	35.00	1.75	1.33	272.67	68.17	7013.33	1.534	493.89	2500.00	10007.22	1000.72	11007.94	8255.96	646.00
125.00	40.00	1.50	1.41	357.65	89.41	9198.50	2.012	647.78	2500.00	12346.28	1234.63	13580.91	9655.18	646.00
150.00	40.00	1.50	1.21	368.26	92.07	9472.16	2.072	667.05	2500.00	12639.21	1263.92	13903.13	11513.53	646.00
175.00	40.00	1.25	1.24	438.85	109.71	11286.96	2.468	794.85	2500.00	14581.81	1458.18	16039.99	12969.84	646.00
200.00	40.00	1.25	1.10	447.38	111.84	11506.10	2.516	810.28	2500.00	14816.38	1481.64	16298.02	14770.08	646.00
250.00	40.00	1.25	0.91	459.90	114.98	11829.14	2.587	833.03	2500.00	15162.17	1516.22	16678.39	18372.29	646.00
300.00	40.00	1.25	0.77	468.65	117.16	12053.42	2.636	848.82	2500.00	15402.24	1540.22	16942.46	21972.25	646.00
350.00	40.00	1.25	0.67	475.11	118.78	12220.09	2.673	860.56	2500.00	15580.65	1558.07	17138.72	25574.18	646.00
400.00	40.00	1.25	0.59	480.07	120.02	12347.66	2.700	869.54	2500.00	15717.20	1571.72	17288.92	29175.05	646.00
500.00	40.00	1.25	0.48	487.20	121.80	12530.78	2.741	882.44	2500.00	15913.22	1591.32	17504.54	36376.62	646.00
600.00	40.00	1.25	0.41	492.08	123.02	12656.30	2.768	891.28	2500.00	16047.58	1604.76	17652.34	43579.21	646.00
700.00	40.00	1.25	0.35	495.62	123.90	12746.83	2.788	897.66	2500.00	16144.49	1614.45	17758.94	50779.47	646.00
800.00	40.00	1.25	0.31	498.31	124.58	12816.79	2.803	902.58	2500.00	16219.37	1621.94	17841.31	57984.26	646.00
900.00	40.00	1.25	0.27	500.42	125.11	12871.32	2.815	906.42	2500.00	16277.74	1627.77	17905.51	65187.25	646.00
1000.00	40.00	1.25	0.25	502.12	125.53	12914.53	2.824	909.46	2500.00	16323.99	1632.40	17956.39	72386.70	646.00

STATEMENT - C 1 (With Machine Loading)

(FOR YEAR 2022-2023) Maharashtra

Cost of Diesel (As on 01-04-2022) Cost of mobile Oil (As on 01-04-2022) 102.88 Per Litre 322 Per Litre

Hire charges of Loader

646 Per trip (Rate of Loader Rs.968/- per Hr. with 85% bucket effi., Cycle time 6 minutes)

Carrage of material over distance exceeding 0.50 km. including loading and unloading.

Lead in	Total Cost Per	Fuel										
km	Trip LeadCharges (Including lodar)	Componant	Murrum Rubish	, Building n, Earth	Manure S	ludge		ed Rock stone	mm, Normal B	ne below 40 Brick sideraggre. Inber	Stone aggre Normal size	
			Unit Cum		Unit Cum		Unit Cum		Unit Cum		Unit Cum	
			L.F.	Fuel	L.F.	Fuel	L.F.	Fuel	L.F.	Fuel Comp.	L.F.	Fuel Comp.
			6.00	Comp.	5.45	Comp.	4.70	Comp.	5.75	1	6.00	
0.50	1067.26	54.59	177.88	9.10	195.83	10.02	227.08	11.61	185.61	9.49	177.88	9.10
1.00	1118.91	86.21	186.49	14.37	205.30	15.82	238.07	18.34	194.59	14.99	186.49	14.37
1.50	1170.00	117.74	195.00	19.62	214.68	21.60	248.94	25.05	203.48	20.48	195.00	19.62
2.00	1219.90	149.18	203.32	24.86	223.83	27.37	259.55	31.74	212.16	25.94	203.32	24.86
2.50	1270.05	180.73	211.68	30.12	233.04	33.16	270.22	38.45	220.88	31.43	211.68	30.12
3.00	1319.89	212.19	219.98	35.37	242.18	38.93	280.83	45.15	229.55	36.90	219.98	35.37
3.50	1368.97	243.75	228.16	40.63	251.19	44.72	291.27	51.86	238.08	42.39	228.16	40.63
4.00	1417.68	275.07	236.28	45.85	260.12	50.47	301.63	58.53	246.55	47.84	236.28	45.85
4.50	1465.86	306.46	244.31	51.08	268.97	56.23	311.89	65.20	254.93	53.30	244.31	51.08
5.00	1513.34	337.97	252.22	56.33	277.68	62.01	321.99	71.91	263.19	58.78	252.22	56.33
5.50	1563.57	369.45	260.60	61.58	286.89	67.79	332.67	78.61	271.93	64.25	260.60	61.58
6.00	1610.31	400.65	268.39	66.78	295.47	73.51	342.62	85.24	280.05	69.68	268.39	66.78
6.50	1658.95	432.05	276.49	72.01	304.39	79.28	352.97	91.93	288.51	75.14	276.49	72.01
7.00	1706.44	463.53	284.41	77.26	313.11	85.05	363.07	98.62	296.77	80.61	284.41	77.26
7.50	1753.70	494.80	292.28	82.47	321.78	90.79	373.13	105.28	304.99	86.05	292.28	82.47
8.00	1800.94	526.13	300.16	87.69	330.45	96.54	383.18	111.94	313.21	91.50	300.16	87.69
8.50	1847.52	557.46	307.92	92.91	338.99	102.29	393.09	118.61	321.31	96.95	307.92	92.91
9.00	1894.25	588.84	315.71	98.14	347.57	108.04	403.03	125.29	329.43	102.41	315.71	98.14
9.50	1939.47	619.94	323.25	103.32	355.87	113.75	412.65	131.90	337.30	107.82	323.25	103.32
10.00	1984.62	651.11	330.77	108.52	364.15	119.47	422.26	138.53	345.15	113.24	330.77	108.52
11.00	2062.68	712.88	343.78	118.81	378.47	130.80	438.87	151.68	358.73	123.98	343.78	118.81
12.00	2139.18	774.27	356.53	129.05	392.51	142.07	455.14	164.74	372.03	134.66	356.53	129.05

Lead inkm	Total Cost PerTrip	Fuel										
	Lead Charges (Including lodar)	Componant	Murrum, Buil Earth	dingRubish,	Manure Slu	udge	Excavated F stone	Rocksoling	Normal Bri	below 40 mm, ck sideraggre. mber	Stone aggreg Normal size	•
			Unit Cum		Unit Cum		Unit Cum		Unit Cum		Unit Cum	
			L.F.	Fuel Comp.	L.F.	Fuel	L.F.	Fuel	L.F.	Fuel Comp.	L.F.	Fuel Comp.
			6.00		5.45	Comp.	4.70	Comp.	5.75	1	6.00	
13.00	2214.18	835.72	369.03	139.29	406.27	153.34	471.10	177.81	385.07	145.34	369.03	139.29
14.00	2288.09	897.21	381.35	149.54	419.83	164.63	486.83	190.90	397.93	156.04	381.35	149.54
15.00	2360.66	958.45	393.44	159.74	433.15	175.86	502.27	203.93	410.55	166.69	393.44	159.74
20.00	2810.21	1270.37	468.37	211.73	515.63	233.10	597.92	270.29	488.73	220.93	468.37	211.73
25.00	3259.46	1582.50	543.24	263.75	598.07	290.37	693.50	336.70	566.86	275.22	543.24	263.75
30.00	3562.45	1885.12	593.74	314.19	653.66	345.89	757.97	401.09	619.56	327.85	593.74	314.19
35.00	3987.45	2195.62	664.58	365.94	731.64	402.87	848.39	467.15	693.47	381.85	664.58	365.94
40.00	4412.65	2506.10	735.44	417.68	809.66	459.83	938.86	533.21	767.42	435.84	735.44	417.68
45.00	4837.45	2816.45	806.24	469.41	887.61	516.78	1029.24	599.24	841.30	489.82	806.24	469.41
50.00	5109.53	3117.51	851.59	519.59	937.53	572.02	1087.13	663.30	888.61	542.18	851.59	519.59
60.00	5745.98	3724.98	957.66	620.83	1054.31	683.48	1222.55	792.55	999.30	647.82	957.66	620.83
70.00	6534.75	4341.89	1089.13	723.65	1199.04	796.68	1390.37	923.81	1136.48	755.11	1089.13	723.65
80.00	7323.82	4959.07	1220.64	826.51	1343.82	909.92	1558.26	1055.12	1273.71	862.45	1220.64	826.51
90.00	8112.36	5576.50	1352.06	929.42	1488.51	1023.21	1726.03	1186.49	1410.85	969.83	1352.06	929.42
100.00	8901.96	6193.50	1483.66	1032.25	1633.39	1136.42	1894.03	1317.77	1548.17	1077.13	1483.66	1032.25
125.00	10301.18	7700.39	1716.86	1283.40	1890.12	1412.92	2191.74	1638.38	1791.51	1339.20	1716.86	1283.40
150.00	12159.53	9235.48	2026.59	1539.25	2231.11	1694.58	2587.13	1965.00	2114.70	1606.17	2026.59	1539.25
175.00	13615.84	10746.07	2269.31	1791.01	2498.32	1971.76	2896.99	2286.40	2367.97	1868.88	2269.31	1791.01
200.00	15416.08	12278.94	2569.35	2046.49	2828.64	2253.02	3280.02	2612.54	2681.06	2135.47	2569.35	2046.49
250.00	19018.29	15341.87	3169.72	2556.98	3489.59	2815.02	4046.44	3264.23	3307.53	2668.15	3169.72	2556.98
300.00	22618.25	18406.61	3769.71	3067.77	4150.14	3377.36	4812.39	3916.30	3933.61	3201.15	3769.71	3067.77
350.00	26220.18	21470.26	4370.03	3578.38	4811.04	3939.50	5578.76	4568.14	4560.03	3733.96	4370.03	3578.38
400.00	29821.05	24535.48	4970.18	4089.25	5471.75	4501.92	6344.90	5220.31	5186.27	4267.04	4970.18	4089.25
500.00	37022.62	30662.94	6170.44	5110.49	6793.14	5626.23	7877.15	6524.03	6438.72	5332.69	6170.44	5110.49

8. PIT SIZE/ BAG SIZE/ HEIGHT TABLE FOR TREE VARIETY

Sr. No.	Height of Plant	Pit Size (Meter)
1	Up to One meter	0.30 x 0.30 x 0.30
2	One meter and Two Meter	0.60 x 0.60 x 0.60
3	Two meter and Four Meter	1 x 1 x 1

Sr. No.	Bag Size (Inches)	Specification For Tree Varieties
1	7" x 8" / 9" x 11"	Minimum girth 3 cm, 3.0 to 4.0 ft height minimum 4 to 5 branches with maximum number of leaves.
2	13" x 13" / 15" x 16"	Minimum girth 5 to 7.5 cm, 6.0 ft height minimum 5 to 6 branches with maximum number of leaves, clear trunk.
3	18" x 18"	Minimum girth 10 to 12.5 cm, 7.5 ft height clear trunk well developed canopy.
4	21" x 21"	Minimum girth 12.5 to 15 cm, height 9.0 ft and above clear trunk well developed canopy.

<u>9.</u>

SAMPLE ESTIMATES

Sample Estimate for Preparation of Lawn in 100 Sq.mtr area (Depth 30.00 cm)

Sr.No.	Oty.	Description of item	Rate	<u>Per</u>	<u>Total</u> <u>Amount</u>
1	100	Supplying on site fresh Garden soil (free from stones rubbish like dried grass roots, other such materials) for excavation area of depth of 30 cms .(consolidated thickness).(As per P&G DSR 2022-23 Items of garden work,Sr No.36a)	391.5	M2	39,150.00
2	100	Supplying on site well decomposed Farmyard Manure for excavation area of depth of 30 cms. (Consolidated thickness). (As per P&G DSR 2022-23 Items of garden work,Sr No.36b)	125.55	M2	12,555.00
3	100	Providing on site required variety of lawn (free from weeds /diesease etc.) Cynadon/ paspalum/ selection for 1 sqm. area dibbling distance 5 cms. apart c/c. (As per P&G DSR 2022-23 Items of garden work, Sr No.46)	60	M2	6,000.00
4	100	Excavation for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed in earth, soil of all types, soft murum, including removing the excavated material up to a distance of 50 mtrs. for a depth of 30 cms.(As per P&G DSR 2022-23 Items of garden work,Sr No.3)	71.7	M2	7,170.00
5	100	Filling fresh garden soil / silt & manure in excavated area of depth 30cms. (As per P&G DSR 2022-23 Items of garden work,Sr No.13)	27.02	M2	2,702.00
6	100	Mixing garden soil/silt & manure thoroughly well, watering previous night. Planting reqired plant species, lawn grass as directed etc. complete for required depth 30 cms. for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed/ ground cover. (1/10 of semiskilled labour)(As per P&G DSR 2022-23 Items of garden work, Sr No.23)	77.76	M2	7,776.00
7	100	Maintainance of Newly Developed lawn Area. For First 30 days Only (Paspallum/ selection)(As per P&G DSR 2022-23 Items of garden work,Sr No.28)	35.38	M2	3,538.00
			T	otal(A)	78,891.00
		(+) Add 5% Corporati	on charg	ges on (A)	3944.55
				and Total	82,835.55
				Per Sqmt	828.35
				Say Rs.	828.00

Sample Estimate for Preparation of Lawn in 100 Sq. mtr area (Depth 20.00 cm)

Sr.No.	Oty.	<u>Description of item</u>	<u>Rate</u>	<u>Per</u>	<u>Total</u> <u>Amount</u>
1	100	Supplying on site fresh Garden soil (free from stones rubbish like dried grass roots, other such materials) for excavation area of depth of 20 cms. (consolidated thickness).(As per P&G DSR 2022-23 Items of garden work,Sr No.38a)	261.00	M2	26,100.00
2	100	Supplying on site well decomposed Farmyard Manure for excavation area of depth of 20 cms. (consolidated thickness).(As per P&G DSR 2022-23 Items of garden work,Sr No.38b)	83.70	M2	8,370.00
3	100	Providing on site required variety of lawn (free from weeds /diesease etc.) Cynadon/ paspalum/selection for 1 sqm. area dibbling distance 5 cms. apart c/c(As per P&G DSR Mumbai Region 2022-23 Items of garden work,Sr No.56)	60	M2	6,000.00
4	100	Excavation for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed in earth, soil of all types, soft murum, including removing the excavated material up to a distance of 50 mtrs. for a depth of 20 cms.(As per P&G DSR 2022-23 Items of garden work,Sr No.5)	47.80	M2	4,780.00
5	100	Filling fresh garden soil / silt & manure in excavated area of depth 20cms. (As per P&G DSR 2022-23 Items of garden work, Sr No.15)	18.01	M2	1,801.00
6	100	Mixing garden soil/silt & manure thoroughly well, watering previous night. Planting required plant species; lawn grass as directed etc. complete for required depth 20 cms. for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed/ ground cover. (1/10 of semiskilled labour)(As per P&G DSR 2022-23 Items of garden work. Sr No.23)	77.76	M2	7,776.00
7	100	Maintenance of Newly Developed lawn Area. For First 30 days Only (Paspalum/ selection)(As per P&G DSR 2022-23 Items of garden work,Sr No.28)	35.38	M2	3,538.00
				otal(A)	58,365.00
		(+) Add 5% Corporati			2918.15
			Gr	and Total	61,283.15
				Per sqmt	612.83
				Say Rs.	613.00

Sample Estimate for Preparation of Instant Lawn in 100 Sq. mtr area (Depth 20.00 cm)

Sr.No.	Oty.	Description of item	Rate	<u>Per</u>	<u>Total</u> <u>Amount</u>
1	100	Supplying on site fresh Garden soil (free from stones rubbish like dried grass roots, other such materials) for excavation area of depth of 20 cms .(consolidated thickness).(As per P&G DSR 2022-23 Items of garden work,Sr No.38a)	261.00	M2	26,100.00
2	100	Supplying on site well decomposed Farm Yard Manure for excavation area of depth of 20 cms. (consolidated thickness).(As per P&G DSR 2022-23 Items of garden work,Sr No.38b)	83.70	M2	8,370.00
3	100	Providing on site well established (free from weeds /disease etc.) ready to fix lawn turf in slabs/ rolls of required variety as directed. (As per P&G DSR 2022-23 Items of garden work,Sr No.47)	215.00	M2	21,500.00
4	100	Excavation for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed in earth, soil of all types, soft murum, including removing the excavated material up to a distance of 50 mtrs. for a depth of 20 cms. (As per P&G DSR 2022-23 Items of garden work,Sr No.5)	47.80	M2	4,780.00
5	100	Filling fresh garden soil / silt & manure in excavated area of depth 20cms. (As per P&G DSR 2022-23 Items of garden work,Sr No.15)	18.01	M2	1,801.00
6	100	Mixing garden soil/silt & manure thoroughly well, watering previous night. Planting required plant species; lawn grass as directed etc. complete for required depth 20 cms. for planting lawn/ shrub/flower bed/ hedges/ edges/ canna bed/ ground cover. (1/10 of semiskilled labour) (As per P&G DSR 2022-23 Items of garden work, Sr No.23)	77.76	M2	7,776.00
7	100	Maintenance of Newly Developed lawn (Instant Lawn) Area. For First 30 days Only (As per P&G DSR 2022-23 Items of garden work,Sr No.29)	32.65	M2	3,265.00
				otal(A)	73,592.00
		(+) Add 5% Corporati			3679.60
				and Total	77,271.60
			Per	sqmt	772.71
<u> </u>				Say Rs.	773.00

Sample Estimate for Preparation of Shrubbery in 100 Sq.mtr area (Depth 30.00 cm)

Sr.No.	Otv.	<u>Description of item</u>	Rate	<u>Per</u>	<u>Total</u> <u>Amount</u>
1	100	Supplying on site fresh Garden soil (free from stones rubbish like dried grass roots, other such materials) for excavation area of depth of 30 cms. (consolidated thickness).(As per P&G DSR 2022-23 Items of garden work,Sr No.36a)	391.50	M2	39,150.00
2	100	Supplying on site well decomposed Farmyard Manure for excavation area of depth of 30 cms. (consolidated thickness) (As per P&G DSR 2022-23 Items of garden work, Sr No.36b)	125.55	M2	12,555.00
3	900	Providing on site required variety of Shrubs (free from weeds /diesease etc.) 30 cms. apart c/c.Name:-Murraya(Kamini);Bag Size 7" x 8",(plants list) 1(a) serial no 15.	20.00	No	18,000.00
4	100	Excavation for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed in earth, soil of all types, soft murum, including removing the excavated material up to a distance of 50 mtrs. for a depth of 30 cms.(As per P&G DSR 2022-23 Items of garden work,Sr No.3)	71.70	M2	7,170.00
5	100	Filling fresh garden soil / silt & manure in excavated area of depth 30cms. (1/10 of unskilled labour) (As per P&G DSR 2022-23 Items of garden work,Sr No.13)	27.02	M2	2,702.00
6	100	Mixing garden soil/silt & manure thoroughly well, watering previous night. Planting reqired plant species, lawn grass as directed etc. complete for required depth 30 cms. for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed/ ground cover. (1/10 of semiskilled labour)(As per P&G DSR 2022-23 Items of garden work,Sr No.23)	77.76	M2	7,776.00
7	100	Maintenance of Newly Developed Shrubs Area. For First 30 days Only (As per P&G DSR 2022-23 Items of garden work,Sr No.31)	36.74	M2	3,674.00
				otal(A)	91,027.00
		(+) Add 5% Corporati			4551.35
				and Total	95,578.35
			Per	Saw Da	955.78
				Say Rs.	956.00

Sample Estimate for Plantation of Trees (Ht.1-2 mtrs)

Sr.No.	Oty.	<u>Description of item</u>	Rate	<u>Per</u>	<u>Total</u> <u>Amount</u>	
1	1	Supplying on site fresh Garden soil (i. e. 3 part soil) (free from stones rubbish like dried grass roots, other such materials) for excavated pit size area of 0.60 x 0.60 x 0.60m (consolidated thickness).(As per P&G DSR 2022-23 Items of garden work,Sr No.44a)	210.96	M2	210.96	
2	1	Supplying on site well decomposed Farm Yard Manure FYM (i. e. 1 part FYM) for excavated pit size area of 0.60 x 0.60 x 0.60m (consolidated thickness).(As per P&G DSR 2022-23 Items of garden work,Sr No.44b)	67.74	M2	67.74	
3	1	Providing on site required variety of Tree (free from weeds /diesease etc.) 30 cms. apart c/c.Name:-Bahava;Bag Size 13 x13", ht 6-8'(plants list sr no1,item no 5 B)	274.00	No	274.00	
4	1	Excavation pit size 0.60 x 0.60 x 0.60m for planting small & medium ornamental plants/ large flowering/ shady trees (plant height 1 to 2 mtr.)/ palm varieties upto height 1 to 2 mtrs. in earth, soil of all types, soft murum, including removing the excavated & unwanted material up to a required distance of 50 mtrs. (As per P&G DSR 2022-23 Items of garden work,Sr No.11)	51.62	M2	51.62	
5	1	Filling fresh garden soil / silt & manure in excavated pit size area of 0.60 x 0.60 x 0.60m (1/10 of unskilled labour)(As per P&G DSR 2022-23 Items of garden work,Sr No.21)	18.88	M2	18.88	
6	1	Mixing garden soil/silt & manure thoroughly well, watering previous night. Planting required plant species as directed etc. complete for required pit size 0.60 x 0.60 x 0.60m. (1/10 of semiskilled labour) (As per P&G DSR 2022-23 Items of garden work, Sr No.26)	27.99	M2	27.99	
7	1	Maintenance of Newly Planted tree varieties having height 1mtr 2mtr. For First 30 days Only (As per P&G DSR 2022-23 Items of garden work,Sr No.34)	142.84	M2	142.84	
Total(A)						
		(+) Add 5% Corporati		, ,	39.70 833.73	
Grand Total						
			Say R	s.Per No.	834.00	