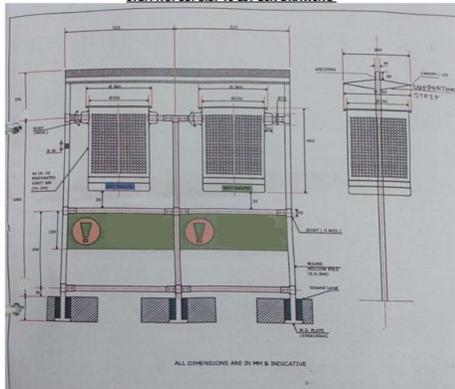
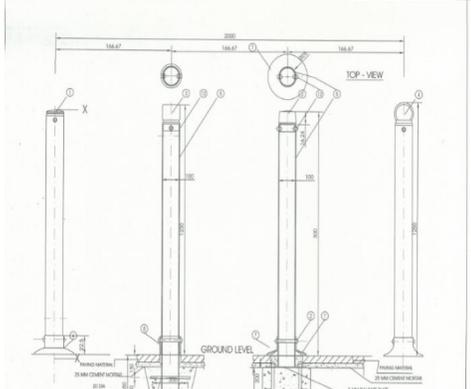
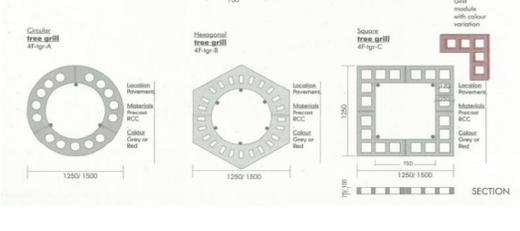


MIRA BHAINDAR CITY BEAUTIFICATION PROGRAM 2023

NON SSR ITEMS

Sr no.	Description	Unit	Picture
A	Civil Work		
B	Painting Work		
1	3D painting	sqm	
	Designing, Conceptualization & painting of 3D artistic on any surface at all height and location as directed. The paint should be used for the artistic painting is high quality acrylic paint. painting should be coated with weather proof warnish.		
2	Mural Painting	sqm	
	Cleaning of existing mural and removal of old paint of the existing mural followed by PU paint grade esdee paints or duco paints having application of 2 coats and final coat of clear PU paint matt or glossy finish, as directed by engineer in charge.etc. complete.		
C	Street Furniture		
	Signages		
3	Cautionary Board	Sqm	
	Providing, Fabricating, Erecting on site School Zone Sign/Pedestrian Crossing Sign/stop sign/accident prone spot Boards as per drawing no F2, Vertical poles shall be SS304 pipe of 76 NB, 2mm Wall thickness. Signage shall be of size 600mmx900mm with reflective background & 450mm triangle inscribed inside the FI background. The signage shall be made of SS304 angles of 25x25x3mm thick covered with 4 mm thick aluminum composite panel on all sides of the box assembly; shall be fixed to the vertical pole. The box shall be pasted with MICRO PRISMATIC GRADE retro reflective base sheets on both sides conforming to Type XI standards of I.R.C. 67 2022 CODE. Letters or borders to be pasted on this box using transparent electro cuttable film/Screen Printing. The reflectivity of sheet shall have warranty of 10 years. The reflection count shall not be less than 80% of its original reflection after 10 years. The vertical pipe shall be fixed to the ground by means of properly designed foundation of size 600mmx450mmx600mm below ground. Complete as per the specification and directed by the Engineer.(Cautionary Boards)		
4	Mandatory Board	Sqm	
	Providing, Fabricating, Erecting on site School Zone Sign/Pedestrian Crossing Sign/stop sign/accident prone spot Boards as per drawing no F2, Vertical poles shall be SS304 pipe of 76 NB, 2mm Wall thickness. Signage shall be of size 600mmx900mm with reflective background & 450mm triangle inscribed inside the FI background. The signage shall be made of SS304 angles of 25x25x3mm thick covered with 4 mm thick aluminum composite panel on all sides of the box assembly; shall be fixed to the vertical pole. The box shall be pasted with MICRO PRISMATIC GRADE retro reflective base sheets on both sides conforming to Type XI standards of I.R.C. 67 2022 CODE. Letters or borders to be pasted on this box using transparent electro cuttable film/Screen Printing. The reflectivity of sheet shall have warranty of 10 years. The reflection count shall not be less than 80% of its original reflection after 10 years. The vertical pipe shall be fixed to the ground by means of properly designed foundation of size 600mmx450mmx600mm below ground. Complete as per the		
5	Informatory Board	sqm	

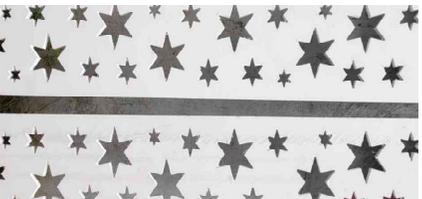
	<p>Providing & Fixing informatory sign boards in Square or rectangular shape of any size made out of 4 mm aluminum composite panel bounded with ir specified colour of retroreflective sheeting of type XI Diamond Grade sheeting with ECF (Electronic cuttable film) lettering having pressure sensitive adhesive having border & messages in IRC colour background including SS304 grade frame bracing & vertical poles for fixing. (Single Flag One Side / Double Flag one Side /Advance Direction / Sim card)</p>		
6	<p>Litre bins</p>	Nos.	
	<p>Supply, providing and installation to 40 Lit capacity litter bin in stainless steel grade- 304 as per the drawing</p>		
7	<p>Bollards</p>	Nos.	
	<p>Circular Steel Bollards : Providing, fabricating and fixing circular Steel Bollards of 100mm dia circular Steel Pipe (of type 3F-A-1) as per the design incorporated in the Catalogue of Street Furniture (Vol-II). Published by MCGM, made of 10 Gauge, 304 quality material with minimum nickel content not less than 10% (laboratory testing certificate shall be provided for used material) with steel pedestal and steel cap as per designs (3F-A1), (3F-A1.1), (3FA1.2) and (3F-A1-3) suitable to match the design adopted for surrounding railing including cutting, welding, riveting, polishing. The foundation shall either be with base plate of 200 x 200 x 6mm thick, 16 mm dia J Bolts or embedding pipe in foundation by providing 20mm Dia x 6 nos holdfasts embedded in 1:2:4 concrete as shown in drawing (3F-A1.1). inclusive of making good the damage portion of footpath with matching pavers blocks, tiles removing debris etc. complete as per specification</p>		
8	<p>Tree Guard</p>	Nos.	
	<p>Supplying and fixing Cement Concrete tree guard fixing as directed- A) Circular B) Hexagonal C) Square</p>		

9	<p>Providing, Fixing and installation Seating bench of the Glass Fiber Reinforced Polymer having size of 1500 mm x 452 mm x 460 mm as per shown in drawing</p>		
<p>D Horticulture</p>			
<p>Non-SSR Items</p>			
10	<p>Artificial Lawn - Artificial turf is a surface of synthetic fibers made to look like natural grass, used in sports arenas, residential lawns and commercial applications that formerly used grass.</p>		
<p>E Illumination</p>			
<p>Non-SSR Items</p>			
11	<p>SITC of Decorative LED MOTIF lights Rated input supply of DC12V/DC24V constant voltage. External ballast as accessory must be provided, Frame body should be made of Metal, 2 V-shape clips on each piece of frame should be provided, Size of the luminaire display should be approx 1000mm height & 700mm width, light source of the display should in form of LED bulbs, protection rating (DIN EN 60529): IP65, impact resistance level should be suitable to site condition, Power Consumption should be minimum 6W/m, Light output color of LED rope light should be multicolors. External Ballast must be provided as accessories with following features : DC24V Input Voltage range, DC12V-24V Output Voltage Range, Input Wire 3x0.75mm² rubber wire, Output wire 2x1.0mm² PVC, Outer jacket, white colour, Dual output, female screw connectors, The LED system with control gear unit is suitable for operation on direct voltage supply grids, Power Efficiency : >85%, Operating Temperature : -10°C to +55°C, Operating Humidity : 10%-90%, Frame Body to have brackets for fixing arrangement, inclusive of all mounting and programming accessories, taxes & charges etc</p>	nos	
12	<p>Supply, installation, testing & commissioning of LED string lights (minimum 10mtr per pc)for tree decoration, complete with circuit wires. with all the necessary mounting/electrical accessories. Final sample to be approved by the NOIDA authority. Complete Operation & maintenance to be included in the costing for 1year.</p>	Job	

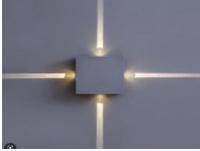
13	Supply, installation, testing & commissioning of standard Indian make customised Outdoor rated plasma cut-work 2mtrs high column light 30-40W with MS housing with dark grey Stone Finish Coating to blend with the present site ,with all the necessary mounting/electrical accessories. Well designed thermal management system with aluminium heat sink Operating Voltage of AC 165-270V 50HZ with universal electronic driver, Light colour should be of 3000K, , Mean rated service life L70(tq 25 °C) = 50,000 h.Ingress protection rating (DIN EN 60529): IP65. Operating Temperature 0 deg to +50 deg with 5 years of Comprehensive Operation, Maintenance including defect liability period.	Job	
14	Supply and laying of 2.5 sq. mm x 3 core ISI marked, Armoured FRLS PVC insulated, single core copper conductor cable inn ground or pipe or trench as required including excavation, sand cushioning, protective covering and refilling the trench etc as required.	Mtr	
15	Supply and Laying of one number 3.5 core x 70 sq mm ISI Marked Aluminium Armoured PVC insulated and PVC sheathed / XLPE power cable of 31.8KW grade of following size direct in ground or pipe or trench as required including excavation, sand cushioning, protective covering and refilling	Mtr	
16	Supply & installation of Outdoor Main Lighting distribution board (MLDB) with 10 outgoing MCB; 1pole 6Amp rating; with anti-corrosive paint & earthing terminals; in accordance with I.S. standards	nos	
17	Supply and laying of 20-25mm GI pipe type Earthing as required with proper bends or steel flexible pipe as per site conditions with proper welding of clamps, sockets and other accessories	Mtr	
18	SITC of exterior BIS registered Spot Light, 10-15W,LED, 3000k, Body- Die-casting aluminium Body with Surface Anti-ageing electrostatic spray processing & screen (IK 08). Body colour- RAL 9004 + RAL 9018 Matt.Electronic Driver which offers Protection against Short Circuit, Over- Voltage & Over-Current, IP 65 protection,voltage input AC240V. Estimated Lifetime-L70 @ 50,000hours minimum. Inclusive of all the accessories required. The product should be BIS approved with R number mentioned on product label. To be supported with Product test reports - LM79, BIS Report and LEDs Test Reports. Luminaire shall be conforming to BIS i.e. IS 10322 (PART 5/SEC 7) and shall be complete with all necessary accessories required for proper working of fixture including weather proof connection cables, water proof connectors etc. as required.	nos	

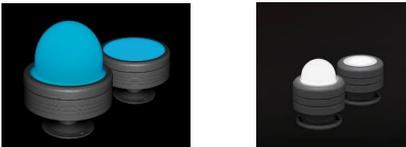
<p>19</p>	<p>SITC of exterior BIS registered LED RGBW flood lighting luminaire for facade lighting with Die-cast aluminium housing, powder-coated finish, Clear toughened glass of 4mm thickness, of Total System wattage not exceeding 45W with system lumen output >2300 lm with all LEDs on , minimum system lumen efficacy >50 lm/w. Luminaire shall be capable of producing dynamic color changing light with 16 million colors as the light fixture should be programmable using 8 bit control DMX512 protocol / Ethernet based control. Luminaire should be complete with dedicated Lens made up of UL/VDE approved PC for each LED, offering beam angle of different types such as narrow, medium, wide or elliptical as per the site requirement. Fixture should have Height 276 mm±5% including surface mount base width 183 mm±5% , length 320 mm ±5% with constant locking hinges for simple position control from various angles without special tools.Fixture shall be suitable to operate at an ambient temperature range of -30°C to 50°C and complete luminaire shall be IP66 and IK07 rated. LED Life time shall be at least L70B50 @ 70000 burning hours at 50°C. LED should be with ceramic package of make Nichea, Osram, Cree, Lumiled only. DMX enabler circuit should be inside the Luminaire only. DMX enabler circuit should be inside the Luminaire only. Luminaire shall be complete with integrated BIS IP 66/67 potted driver and capable of operating at line voltage from 90-305 Vac, 50Hz with power factor > 0.9. The product should be BIS approved with R number mentioned on product label. To be supported with Product test reports - LM79, BIS Report and LEDs Test Reports. Havells RANGER</p>	<p>nos</p>	
<p>20</p>	<p>SITC of exterior BIS registered LED RGBW flood lighting luminaire for facade lighting with Die-cast aluminium housing, powder-coated finish, Clear toughened glass of 4mm thickness, of Total System wattage not exceeding 70W with system lumen output > 2600 lm with all LEDs on , minimum system lumen efficacy > 38lm/w. Luminaire shall be capable of producing dynamic color changing light with 16 million colors as the light fixture should be programmable using 8 bit control DMX512 protocol / Ethernet based control. Luminaire should be complete with dedicated Lens made up of UL/VDE approved PC for each LED, offering beam angle of different types such as narrow, medium, wide or elliptical as per the site requirement. Fixture should have Height 364 mm±5% including surface mount base width 188 mm±5% , length 390 mm ±5% with constant locking hinges for simple position control from various angles without special tools.Fixture shall be suitable to operate at an ambient temperature range of -30°C to 50°C and complete luminaire shall be IP66 and IK07 rated. LED Life time shall be at least L70B50 @ 70000 burning hours at 50°C. LED should be with ceramic package of make Nichea, Osram, Cree, Lumiled only. DMX enabler circuit should be inside the Luminaire only. DMX enabler circuit should be inside the Luminaire only. Luminaire shall be complete with integrated BIS IP 66/67 potted driver and capable of operating at line voltage from 90-305 Vac, 50Hz with power factor > 0.9.</p>	<p>nos</p>	

21	<p>SITC of exterior BIS registered RGBW Flexible LED Strip with 14.4 Watt per meter. LED Strip should have 60Nos LEDs per meter through out the length with the silicon cover with system lumens >708 lms/meter and System Lumen Efficacy >49lm/w. Standard Length of LED Strip is 5 mtr and it shall be capable of producing dynamic color changing light for with 16 million colors and should be programmable using 8 bit control DMX512 protocol / Ethernet based control. The Strip should have IP 67 protection with inbuilt IP67 connectors at both ends. DMX enabler circuit should be outside the Luminaire/LED Strip only. LED Strip shall be suitable to operate at an ambient temperature range of -20°C to 50°C. Life time shall be at least L70B50 @ 35000 burning hours at 50°C. LED should of make Nichea, Osram, Cree, Lumiled, Hongya of 5050 SMD package only. The rated voltage of the Luminaire should be 24VDC, Luminaire shall be offered with a BIS Approved Potted Driver of IP 66/67 rating made of extruded aluminium to make it more thermal efficient, Led Driver should have Operating input voltage range: 90-305Vac, PF > 0.95 and must have safety operation range form 90V - 176Vac. Life time of LED driver should be > 80,000 hours and MTBF of LED driver should be ≥ 2,00,000 hrs, Led driver must have SELV output and Case temperature i.e. Tc > 90°C. The product should be BIS approved with R number mentioned on product label. To be supported with Product test reports - LM79, BIS Report and LEDs Test Reports. Havells</p>	nos	
22	<p>SITC of DMX Splitter with Input Voltage range : 190-240V AC, Power Consumption 5W max. Housing is made of CRCA with powder coated finish Mounting, 19 inch rack mountable, Operation Temperature -30°C to +55°C, 8 Output with 3pin XLR terminal sockets, Ingress Protection Rating IP20. This unit takes the DMX Signal from DMX Controller & split the signal into 8 separate output channels. The output terminals of Splitters are optically isolated from the input. Splitters should be capable to amplify the DMX signal & allowing the data link to be extended by max. 300 m (1044 ft.) using AWG 22 DMX cable or 150 m (500 ft.) using AWG 24 DMX cable or maximum 20-25 fixture per output channel. To be provided with IP enclosure if installed in external environment.</p>	nos	
23	<p>SITC of Signal Amplifier to boost the Signal, IP 65 rated module to enhance the depleting DMX Signals, should have IP 66/67 rates inbuilt connectors compatible with Luminaires. It should be offered with inbuilt electronic circuit for functioning. No external LED driver needed.</p>	nos	

24	<p>SITC of DMX Controller for the system including all other accessories required for the running of the system Controller should have Input Power 5-5.5V DC 0.6A and Output Protocol DMX512 with 4 universe, 2 universe should work in Stand Alone Mode and 2 universe should work in live mode with laptop/ tablet / computer. The universe should be expandable from 2 to 4 DMX512 universes. It should be compatible for Programmability with PC, Mac, Tablet, Smartphone by using USB & Ethernet .Dmx controller should have network controllability feature to control the scene remotely through LAN and triggered via UDP packets on port 2430. Its must have Connections Type C USB, XLR3, Ethernet, battery. There should be provision for Memory microSD card. Device should have Intuitive backlit keyboard with 10 presets and also have provision of keypad on device for changing scene manually from device. Device should be capable to work on Extended triggering possibilities (TCA) & also have Smart Upgrade Technology (SUT). It is an IP 20 unit and has an Operating Temperature of 0°C to 50°C. weight should not be more than 120g. OS Requirements for the controller is Mac OS X 10.8-10.12, Windows 7/8/10. Standards should be EC, EMC, ROHS. The controller should have a variety of features including 2048 DMX channels, clock/calendar, iPhone/iPad/Android remote control, Ethernet facilities, dry contact port triggering and multi-zone SD card memory. Network synchronization of one area across hundreds of universes with the possibility of 99 scenes across 5 areas with auto clock triggering for sunrise and sunset and as per the festivals for specific occasions. Device should be equipped with meta; clamp to mount on wall .Equivalent Havells DMX , Philips iPlayer 3 with data enablers and splitters as required. The Escada Lighting products and DMX</p>	nos	
25	<p>SITC of artistically designed laser cut-work light sculptures sleeve base for existing streetlights over the flyover, emitting the multi-coloured light effects, heavy duty glowing light art installation, a set of laser Art Installation of approx size of 5ft height, fitted with LED lighting with electronic driver which offers Protection against Short Circuit, Over- Voltage & Over-Current, IP 65 protection,voltage input AC240V, estimated Lifetime-L70 @ 50,000hours minimum. Alongwith the proper moubting arrangement with the foundation plate. Final design as per the reference image attached, to be approved by the department.</p>	Job	
26	<p>SITC of artistically designed laser cut-work customised sheet for the ceiling emitting the multi-coloured star light effects, heavy duty glowing light art installation, approx size of 3X6mtrs, fitted with LED lighting with electronic driver which offers Protection against Short Circuit, Over- Voltage & Over-Current, IP 65 protection,voltage input AC240V, estimated Lifetime-L70 @ 50,000hours minimum. Alongwith the proper mounting arrangement with the foundation plate.</p>	nos	

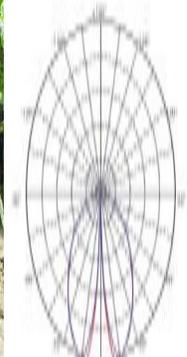
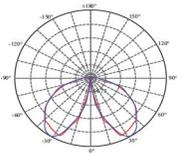
27	<p>Supply, installation, testing & commissioning of Lamp Post, Wattage 35-45W Power Module LED,3000k/4000k,Upright upper square frame in single piece made of die cast aluminum using pressure die-casting process,with a decorative element which is also made of die cast aluminium using pressure die-casting process, fixed on the top. Auxiliary and optical compartment can be accessed by tilting the top frame.Bottom frame with Company /brand name engraved in the mold, in single piece, made of die cast aluminum using pressure die-casting process with a four-armed bracket with flange, which is also made of die cast aluminum using pressure die-casting process, fixed at the bottom. Frosted Screen made of polymethylmethacrylate (PMMA) molded in a single piece using Injection molding process. Screen's Impact resistance: IK06. Pure polyester powder coating in Standard Grey Colour.</p> <p>Optical Compartment IP Rating - IP 66. Height should be approx 550-650mm, LArea Exposed to Wind(S) - 0.15 m2. Power LED Module with Company /brand name printed on PCB with the metal core plate, in compliance with IEC 62031.LED Chips of CREE/NICHIA/OSRAM/LUMILEDS make shall be used- same should be supported by LED manufacturer's tech sheet . Colour Rendering Index: Ra > 70. Electronic Power Supply for LED Module, which offers Protection against Short Circuit, Over- Voltage & Over-Current, with in-built surge protection (an additional surge protection device of 10kV also provided in-built the fixture). Optics with refractive lens in PC/PMMA .LED Lifetime @L90 >1,00,000hours@Ts 85°C. LM 80 report & TM 21 calculation should be submitted to support the same.The Light fixture shall be in compliance with IEC 60598(Supporting Test Report from UL /UL Authorised/Intertek Laboratory should be submitted.</p>	nos	
28	<p>Supply, installation, testing & commissioning of ARCHITECTURAL POST TOP POLE</p> <p>3M height Pole made of complete cast iron decorative components where the internal fabricated pole of 3M is made in combination of mild steel pipe sections 89mm dia.,42mm dia.,33mm dia. & covered on the outside by decorative cast iron base and columns.Decorative Cast iron Base design with the company/brand logo engraved in the cast iron mould, starting with dia 260mm for 130mm height, followed by a ring of 260mm dia gradually tapering to a flat round surface of dia 170mm for 366mm height again followed by a ring dia 210mm and gradual tapering upto a dia 92mm as approved by the econerned Engineer the total height of decorative cast iron base is 700mm and weight-32kgs. Decorative cast iron base should be provided with a flush door of length 228mm, width 124mm and height 30mm. Decorative cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm.Total height of cast iron flower is 304 mm & weight is 6.3kgs.. Decorative cast iron column(2nos.) is of 80mm dia. and having continuous grooves along the height. The height of each pillar is 750mm & weight of each pillar is 9.5kgs. Decorative Cast iron top starting with dia 80mm and a ring of dia 96mm at height of 160mm then gradually increasing to dia 120mm the top half of the decorative top should have grooves along the length, total height of cast iron top is 334mm - weight-5.2kg. All cast iron parts weight mentioned are with +/5% tolerance.Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in-charge. After Fabrication, Entire Pole is hot dip galvanized(60 microns Minimum) for the effective corrosion resistance . The hot dip Galvanised pole should be provided with an inbuilt junction</p>	nos	

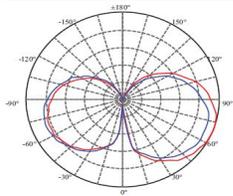
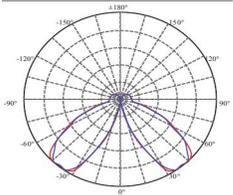
29	<p>SITC of The artiscly designed Feathers in stainless steel and reflecting the multi-coloured wash light effects, of approx size of 6ft height, fitted with LED lighting with electronic driver which offers Protection against Short Circuit, Over- Voltage & Over- Current, IP 65 protection,voltage input AC240V, estimated Lifetime-L70 @ 50,000hours minimum. Alongwith the proper moubting arrangement with the foundation plate. Final design as per the reference image attached, to be approved by the NOIDA authority. To be installed at the Entry Point Circle of Electronic City Noida.</p>	Job	
30	<p>SITC of state-of-the-art FRP statue of Yogic, 5ft tall, to be placed over the balancing rock fountain.</p>	Job	
31	<p>SITC of Four way Light, 10-15W, LED, 3000k, Body- Aluminium Body with screen in PMMA. Finished with pure polyester powder coating in grey colour. Electronic Driver which offers Protection against Short Circuit, Over- Voltage & Over- Current, IP 65 protection,CRI > 80,voltage input AC 240V. Estimated Lifetime-L70 @ 50,000hours minimum. Inclusive of all the accessories required. Sample Should be</p>	nos	
32	<p>SITC ,of exterior BIS registered RGBW Linear LED Wall Washer luminaire for facade lighting with extruded aluminium housing, powder-coated finish, Clear toughened glass of 4mm thickness and die casted end caps, of Total System wattage not exceeding 24W with system lumen output >1350lm with all LEDs on, minimum system lumen efficacy >55 lm/w. Luminaire shall be capable of producing dynamic color changing light with 16 million colors as the light fixture should be programmable using 8 bit control DMX512 protocol / Ethernet based control. Luminaire should be complete with dedicated Lens made up of UL/VDE approved PC for each LED, offering beam angle of different types such as narrow, medium, wide or elliptical as per the site requirement. Fixture should have Height 81 mm ± 5% including surface mount base width 42.8 mm ± 5% , length 1000 mm ± 5% with constant locking hinges for simple position control from various angles without special tools. DMX enabler circuit should be inside the Luminaire only. The rated voltage of the Luminaire should be 24VDC, Luminaire shall be offered with a BIS Approved Potted Driver of IP 66/67 rating made of extruded aluminium to make it more thermal efficient, Led Driver should have Operating input voltage range: 90-305Vac, PF > 0.90 and must have safety operation range form 90V - 176Vac. Life time of LED driver should be > 80,000 hours and MTBF of LED driver should be ≥ 2,00,000 hrs, Led driver must have SELV output and Case temperature i.e. Tc > 90°C. Fixture shall be suitable to operate at an ambient temperature range of 30°C to</p>	nos	
33	<p>SITC of 9mtrs Decorative Tricolour Light Pole with twin arm bracket. Bottom section 2000mmX165mm & Upper section 6000mmX150mm P.C. tube and 1000mm long bracket with 1000mm overhang on (both side). Total wattage of the pole 150W& above, IP65 outdoor rated.</p>	nos	

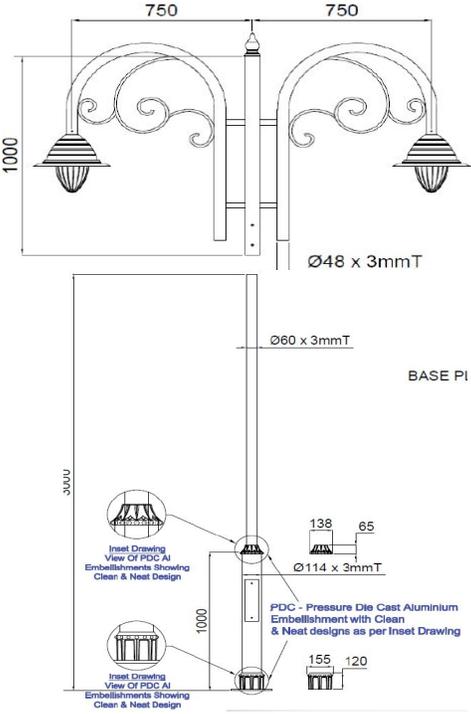
34	<p>SITC of GOBO PROJECTOR,300W,LED,IP 66, Gobo Projector:Body made of Diecast Aluminium. Uses high power LED Engine,Powerful close-range and long-range projection,Display-On board Control, Strobe,Rotating Gobo, color wheel,-directional rotation,Light fixture should be standard DMX512 with RDM compatibleIn-Built Electronic Power Supply for LED Module,which offers Protection against Short Circuit, Over- Voltage & Over- Current, with in-built surge protection.IP rating-IP 65 minimum</p>	nos	
35	<p>SITC of exterior BIS registered RGB/RGBW InGround Circular LED Wall Washer luminaire for facade lighting with high pressure Die-cast aluminium body with cover of stainless steel and buried barrel of high-quality corrosion resistant nylon with high strength toughened glass which can withstand a weight of 2500 KG, the Glass surface temperature remains below 40°C in all LEDs on condition, ensuring safety if barefoot people step on it. Total System wattage not exceeding 27W with system lumen output >1200lm with all LEDs on, minimum system lumen efficacy >40lm/w. Luminaire shall be capable of producing dynamic color changing light with 16 million colors as the light fixture should be programmable using 8 bit control DMX512 protocol / Ethernet based control. Luminaire should be complete with dedicated Lens made up of UL/VDE approved PC for each LED, offering beam angle of different types such as narrow, medium, wide or elliptical as per the site requirement. Luminaire should have Height 185 mm±5% and outer dia of 240 mm±5%. DMX enabler circuit should be inside the Luminaire only. The rated voltage of the Luminaire should be 24VDC, Luminaire shall be offered with a BIS Approved Potted Driver of IP 66/67 rating made of extruded aluminium to make it more thermal efficient, Led Driver should have Operating input voltage range: 90-305Vac, PF > 0.90 and must have safety operation range form 90V - 176Vac. Life time of LED driver should be > 80,000 hours and MTBF of LED driver should be ≥ 2,00,000 hrs, Led driver must have SELV output and Case temperature i.e. Tc > 90°C. Fixture shall be suitable to operate at an ambient temperature range of -30°C to 50°C and complete luminaire shall be IP67 & IK10 rated. LED Life time shall be at least L70B50 @ 70000 burning</p>	nos	
36	<p>SITC of Individually Pixel Controlled LED RGBW media Façade IP 65 dot/ wattage 3W. The system should be equipped with remote power supply & control module with DMX-512 compatibility. The fixture shall have auto addressing capabilities. LED Chip Nichia / Osram/Cree/Lumiled, Operating temp -10 to +55 C, Life span not less than 50,000 burning hrs with all suitable mounting & control accessories. Each pixel should be easily replacable after installation. Havells MAXIPOINT or Equivalent.</p>	nos	
37	<p>Supply of standard Indian make customised Outdoor rated plasma cut-work 3mtrs high column light 30-40W with MS housing with Bamboo Finish Coating to blend with the present site, Well designed thermal management system with aluminium heat sink Operating Voltage of AC 165-270V 50HZ with universal electronic driver, Light colour should be of 3000K, Mean rated service life L70(tq 25 °C) = 50,000 h.Ingress protection rating (DIN EN 60529): IP65. Operating Temperature 0 deg to +50 deg with 5 years of Comprehensive Operation, Maintenance including defect liability period.</p>	nos	
38	<p>Supply, installation, testing & commissioning of Cool & smart solar trees fitted with architectural lighting, 4nos. of charging stations, 2 nos. of CCTV and 4nos. of seating benches, structure should be made of corrosion free stainless steel. Design & drawing to be pproved by the department. Manufacturing warranty of 5yrs.</p>	Job	

39	<p>SITC of monocolour 20W to 24W with Lumen Package of 50 lm Per Watt minimum In-ground with symmetrical luminaire made up of die-casting, front ring should be made up of stainless steel Minimum 304 grade front ring with silicone black gasket and toughened clear glass diffuser. BEAM shall be within range of 15 to 40 Deg. The ingress protection is IP66 and impact resistance of IK08. The luminaire shall be integrated with high power SMD leds with CRI≥70, SDCM≤3, L70/ B10 @ 60000 Hrs. The integral constant current driver comes with the power factor greater than or equal to 0.9, operating efficiency greater than 80% and a surge protection of 2KV. The driver input voltage 240Vac at 50-60Hz, operating voltage of 100-277Vac and operating temperature of -20° ~ +40°C. Adequate heat sink with proper thermal management</p>	nos	
40	<p>Supply, installation, testing & commissioning of standard Indian make customised Outdoor rated CNC cut-work 2mtrs high Light art installation Made with Stone housing to withstand all the weathers., Fitted with IP65 lighting system with well designed thermal management system with heat sink Operating Voltage of AC 165-270V 50HZ with universal electronic driver, Light colour should be of 3000K, , Mean rated service life L70(tq 25 °C) = 50,000 h.Ingress protection rating (DIN EN 60529): IP65. Operating Temperature 0 deg to +50 deg with 5 years of Comprehensive Operation, Maintenance including defect liability period.</p>	nos	
41	<p>Supply, installation, testing & commissioning of GOBO PROJECTOR,50-60W,LED,IP 66 Gobo Projector: Body made of Diecast Aluminium. Uses high power LED Engine,Powerful close-range and long-range projection,Display-On board Control, Strobe,Rotating Gobo, color wheel,-directional rotation.,Light fixture should be standard DMX512 with RDM compatibleIn-Built Electronic Power Supply for LED Module,which offers Protection against Short Circuit, Over- Voltage & Over- Current, with in-built surge protection.IP rating-IP 65 minimum</p>	nos	
42	<p>Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement-All work up to plinth Level: 1:2:4 (1 Cement : 1 Coarse sand (Zone-III):4 Graded stone</p>	Cum	
43	<p>Centering and shuttering including strutting, propping etc. and removal of form for : -a)-Foundations, footings, Bases of columns, etc. for mass concrete (DSR Civil-18/I.No.-5.9.1/P-96)</p>	Sqm	
44	<p>Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. -a)-Cold twisted bars. -Total Qty of R.C.C. =7.60 cum x 1.5 = 11.4 @= 78.50 kg per mtr (DSR Civil-18/I.No.-5.22.3/P-98)</p>	Kg	
45	<p>Supply, installation, testing & commissioning of standard Indian make customised Outdoor rated dynamic colour changing LED PEACOCK, Input Voltage range should be : AC 220V/DC12-24V, frame structure should be in metal, light surface should be in Silicone with Safety class (EN 61140): III, ingress protection rating (DIN EN 60529): IP65, impact resistance level should be suitable to site condition, size should be minimum 12ft, inclusive of all mounting and programming accessories, taxes & charges etc Operating Temperature 0 deg to +50 deg with 5 years of Comprehensive Operation.</p>	nos	

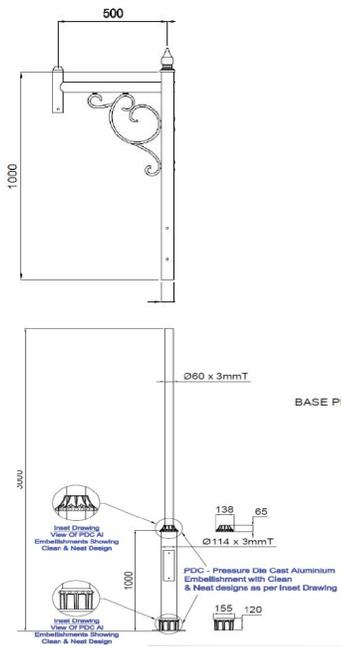
46	<p>Supply, installation, testing & commissioning of standard Indian make customised Outdoor rated plasma cut-work 2.5mtrs high light tunnel module 9-12W/mtr with MS housing with Rainbow colour Finish Coating , Well designed thermal management system with aluminium heat sink Operating Voltage of AC 165-270V 50HZ with universal electronic driver, Light colour should be of 3000K, , Mean rated service life L70(tq 25 °C) = 50,000 h.Ingress protection rating (DIN EN 60529): IP65. Operating Temperature 0 deg to +50 deg with 5 years of Comprehensive Operation, Maintenance including defect liability period.</p>	nos	
47	<p>Supply, installation, testing & commissioning of 6M decorative bouquet with large sized colourful flowers/ climbers/leaves etc, with LED Illumination (reference image attached), Input Voltage range should be : AC 110V/220V, Size of the Structure should be minimum 6Meters in height & 4Meters wide, Number of flowers should be minimum 40Nos and Color combination should be Red, Yellow, Green, Pink, Magenta, Purple, Orange & Blue, Power Consumption of the structure should not exceed to 200W, Safety class (EN 61140): III, ingress protection rating (DIN EN 60529): IP65, impact resistance level should be suitable to site condition.</p>	nos	
48	<p>Supply Instalation testing & commissioning of Homogeneous LED Flexible Linear Light Wattage 12-14W/mtr, monocolour with high quality circuit design for stable and reliable performance, surface material should be made of Silicon with aluminium extrusion linear profile and other connecting accessories, Surface mounted flexible linear light suitable for facade edge lighting, Symmetric distribution. luminaire should have diffuse silicone based cover for soft illumination. Rated input supply of DC 24V constant voltage with external LED Driver, External ballast as accessory must be provided separately, . The luminaire should have versatile optics : 120°, Mean rated service life L70(tq 25 °C) = 50,000 h. Luminaire body of aluminium extrusion with aluminium components. With flush-fitting cover and integral LED unit. Colour of luminaire body Grey/Silver, highly weather resistant/ powder-coated. Ingress protection rating : IP68, impact resistance level should be suitable to site condition. The LED</p>	nos	
49	<p>SITC of 36-40W, IP-66, Ceiling mounted LED batten with inbuilt Electronic constant current power supply, 3000 lumens, THD<10%, CRI >80, color temperature (4000 K). Including the mounting rail/tray arrangement, SS 304 grade screws & mounting clips with all accessories required as per site. The sample should get approved by the Engineer-in-Charge with proper metal cages for lights protections</p>	nos	
50	<p>Supply, laying and Fixing DMX Data Cable with 2 core</p>	Mtrs	
51	<p>Supply, Installation, testing & commissioning of complete Chemical Earth Pit System with inspection chamber and cover, 2m earth electrode, along with all the necessary accessories such as 25mm double compression Cable glands with Lugs, 19mm PG Cable glands with Lugs etc.</p>	nos	
52	<p>Supply, Laying & Connection of 2.5 sq.mm Cu. earthing cables</p>	Mtrs	
53	<p>Supply, Laying & Connection of 6 sq.mm Cu. earthing cables</p>	Mtrs	

54	<p>Supply, installation, testing & commissioning of LED bollards, Wattage 10W Power Module</p> <p>LED,3000k/4000k,luminaire for downward lighting with mid power LED as light source made of die cast aluminum using die-casting process, Screen's Impact resistance: IK07. Housing made up of aluminum pipe UV protected Pure polyester powder coated black after phosphochromate treatment It consists of aluminum heat sink for effective thermal management, sturdiness & excellent corrosion resistant. Mounting flange of MS sand casting is used at the bottom. Optical Compartment IP Rating - IP 65. Height should be approx 1000mm & weight of the whole assembly shall not be more than 2.5kg of weight. Light source having high efficiency long life LED module with SMD LED package mounted on MCPCB. Lumen efficacy of LED >130 lm/W; LED Chips of CREE/NICHIA/OSRAM/LUMILEDS make shall be used- same should be supported by LED manufacturer's tech sheet . Colour Rendering Index: Ra > =80. Luminaire shall be having PC diffuser in round shape is used for glare free uniform light distribution cabale of producing required CCT (3000K / 4000K - as per site requirement) with uniform lighting effect over the landscape area with atleast min 700 lumens(for 3000K CCT) with 10W max power consumption. Powered by built-in, isolated, potted electronic LED driver in ABS housing with APFC (SMPS based constant current supply) with lower THD, Output Short / Open Circuit protection, Over Voltage protection, Surge Voltage protection. Luminaire Operating temperature: -10 °C to +45 °C, Operating voltage range: 140 V - 270 V, Average life L70B50: 50000 hours</p> <p>BIS Certificate with manufacturer name same as brand</p>	Nos.	 
55	<p>Supply, installation, testing & commissioning of LED bollards, Wattage 10W Power Module</p> <p>LED,3000k/5700k,luminaire for surrounding downward lighting with mid power LED as light source made of die cast aluminum using die-casting process, Screen's Impact resistance: IK08. Housing made up of aluminum pipe UV protected Pure polyester powder coated Grey after phosphochromate treatment It consists of aluminum heat sink for effective thermal management, sturdiness & excellent corrosion resistant. Mounting flange of MS sand casting is used at the bottom. Optical Compartment IP Rating - IP 66. Height should be approx 500mm & weight of the whole assembly shall not be more than 2kg of weight. Light source having high efficiency long life LED module with SMD LED package mounted on MCPCB. Lumen efficacy of LED >130 lm/W; LED Chips of CREE/NICHIA/OSRAM/LUMILEDS make shall be used- same should be supported by LED manufacturer's tech sheet . Colour Rendering Index: Ra > =80. Luminaire shall be having clear PC diffuser & PC reflector in cylindrical shape is used for glare free uniform light distribution cabale of producing required CCT (3000K / 5700K - as per site requirement) with uniform lighting effect over the landscape area with atleast min 900 lumens (for 3000K CCT) with 10W max power consumption. Powered by built-in, isolated, potted electronic LED driver in ABS housing with APFC (SMPS</p>	Nos.	 

<p>56</p>	<p>Supply, installation, testing & commissioning of LED bollards, Wattage 8W Power Module LED,3000k/4000k,luminaire for downward lighting with mid power LED as light source made of die cast aluminum using die-casting process, Screen's Impact resistance: IK07. Housing made up of aluminum pipe UV protected Pure polyester powder coated black after phosphochromate treatment It consists of aluminum heat sink for effective thermal management, sturdiness & excellent corrosion resistant. Mounting flange of MS sand casting is used at the bottom. Optical Compartment IP Rating - IP 65. Height should be approx 1000mm & weight of the whole assembly shall not be more than 2.4kg of weight. Light source having high efficiency long life LED module with SMD LED package mounted on MCPCB. Lumen efficacy of LED >130 lm/W; LED Chips of CREE/NICHIA/OSRAM/LUMILEDS make shall be used- same should be supported by LED manufacturer's tech sheet . Colour Rendering Index: Ra > =80. Luminaire shall be having PC diffuser in cone shape is used for glare free uniform light distribution cabale of producing required CCT (3000K / 4000K - as per site requirement) with uniform lighting effect over the landscape area with atleast min 360 lumens(For 3000K CCT) with 8W max power consumption. Powered by built-in, isolated, potted electronic LED driver in ABS housing with APFC (SMPS based constant current supply) with lower THD,</p>	<p>Nos.</p>	 
<p>57</p>	<p>Supply, installation, testing & commissioning of LED bollards, Wattage 10W Power Module LED,3000k/4000k,luminaire for downward lighting with mid power LED as light source made of die cast aluminum using die-casting process, Screen's Impact resistance: IK07. Housing made up of aluminum pipe UV protected Pure polyester powder coated black after phosphochromate treatment It consists of aluminum heat sink for effective thermal management, sturdiness & excellent corrosion resistant. Mounting flange of MS sand casting is used at the bottom. Optical Compartment IP Rating - IP 65. Height should be approx 1000mm & weight of the whole assembly shall not be more than 3kg of weight. Light source having high efficiency long life LED module with SMD LED package mounted on MCPCB. Lumen efficacy of LED >130 lm/W; LED Chips of CREE/NICHIA/OSRAM/LUMILEDS make shall be used- same should be supported by LED manufacturer's tech sheet . Colour Rendering Index: Ra > =80. Luminaire shall be having PC diffuser in cylindrical shape is used for glare free uniform light distribution cabale of producing required CCT (3000K / 4000K - as per site requirement) with uniform lighting effect over the landscape area with atleast min 700 lumens(for 3000K CCT) with 10W max power consumption. Powered by built-in, isolated, potted electronic LED driver in ABS housing with APFC (SMPS based constant current supply) with lower THD, Output Short / Open Circuit protection, Over Voltage</p>	<p>Nos.</p>	 

<p>58</p>	<p>Supply, installation, testing & commissioning of Decorative landscape luminaire Wattage 45W Power Module LED,3000k/5700k,Elegantly designed pressure die casted heat sink for efficient thermal management and sturdiness. Spun aluminium canopy with stepped design. Clear polycarbonate cover with IK07 impact resistance. High efficiency long life LED module with SMD LED package mounted on MCPCB. Lumen efficacy of LED >140 lm/W and viewing angle of 120° to ensure better uniformity (For detailed photometric data,please refer LM79 report & IES file). Lumen efficacy of the system shall be >=80 lumen/W. UV protected pure polyester powder coated grey after phosphochromate treatment. Optical Compartment IP Rating - IP 66. Height should be approx 350-365mm. LED Chips of CREE/NICHIA/OSRAM/LUMILEDS make shall be used-same should be supported by LED manufacturer's tech sheet . Colour Rendering Index: Ra > 70. Built-in potted electronic LED driver with APFC, (SMPS based constant current supply), lower THD, Open Circuit Protection, over Voltage protection, Surge Voltage Protection upto 10kV With Built In SPD & other safety test as per IS 15885 Part-2/Sec 13. LED Lifetime @L70B50 >50,000hours. LM 80 report & TM 21 calculation should be submitted to support the same.The Light fixture shall be in compliance with IEC</p>	<p>Nos.</p>	
<p>59</p>	<p>Supply, installation, testing & commissioning of ARCHITECTURAL DECORATIVE DOUBLE ARM POLE Supply of 3-Meter-high Pole (lower section-1mtr,remaining GI Pipe 2mtr), having lower section OD 114mm and top section 60mm diameter and Made out of GI pipe as per IS1239. The pole must have two ornamental decorative casting in Golden color made of Pressure Diecasting in aluminium at Bottom(Casting height 120mm/lower dia 155mm)and middle casting(height 65mm and base dia 138mm) with petal design patterns as shown in drawing.The pole shall have window cutting of 300mmx80mm weather proof lush door & locking arrangement for housing of the pole to accommodate electrical accessories(Bakelite plate and connector) for power supply connection. The window cover is fitted with allenscrews to the pole and is to be provided in bottom section of pole. The body of the pole shall be machined and polished properly to give it a smooth surface as per IS 2629 and IS2633. The decorative pole shall be duly pre-treated and painted UV resistant coating in Grey color shade.The Pole & the cast iron embellishments should be machined & polished properly to get the smooth finish.The coating should have a DFT of 80-90microns. Entire unit shall be given an extensive three Stage treatment with PU base detch primer, Zinc phosphate primer and PolyUrethane paint of approved color & prescribed for such surfaces to make it absolutely rust and corrosion proof,as well as giving it a pleasing appearance. Base plate of 200mmX200mm with 12mm thickness,having 4 holes of 20mm dia at a distance of 142mm. Study design made of 60mm dia GI pipe for pole mounting</p>	<p>Nos.</p>	

<p>60</p>	<p>Supply, installation, testing & commissioning of ARCHITECTURAL DECORATIVE SINGLE ARM POLE</p> <p>Supply of 3-Meter-high Pole (lower section-1mtr,remaining GI Pipe 2mtr), having lower section OD 114mm and top section 60mm diameter and Made out of GI pipe as per IS1239. The pole must have two ornamental decorative casting in Golden color made of Pressure Diecasting in aluminium at Bottom(Casting height 120mm/lower dia 155mm)and middle casting(height 65mm and base dia 138mm) with petal design patterns as shown in drawing.The pole shall have window cutting of 300mmx80mm weather proof lush door & locking arrangement for housing of the pole to accommodate electrical accessories(Bakelite plate and connector) for power supply connection.</p> <p>The window cover is fitted with allenscrews to the pole and is to be provided in bottom section of pole. The body of the pole shall be machined and polished properly to give it a smooth surface as per IS 2629 and IS2633.</p> <p>The decorative pole shall be duly pre-treated and painted UV resistant coating in Grey color shade.The Pole & the cast iron embellishments should be machined & polished properly to get the smooth finish.The coating should have a DFT of 80-90microns. Entire unit shall be given an extensive three Stage treatment with PU base detch primer, Zinc phosphate primer and PolyUrethane paint of approved color & prescribed for such surfaces to make it absolutely rust and corrosion proof,as well as giving it a pleasing appearance.</p> <p>Base plate of 200mmX200mm with 12mm thickness,having 4 holes of 20mm dia at a distance of 142mm.</p> <p>Sturdy design made of 60mm dia GI pipe for pole mounting and 48mm dia GI pipe for product installation. Centre Pipe has</p>	<p>Nos.</p>	
<p>61</p>	<p>Supply, installation, testing & commissioning of ARCHITECTURAL DECORATIVE DOUBLE ARM POLE</p> <p>Supply of 3-Meter-high Pole (lower section-1mtr,remaining GI Pipe 2mtr), having lower section OD 114mm and top section 60mm diameter and Made out of GI pipe as per IS1239. The pole must have two ornamental decorative casting in Golden color made of Pressure Diecasting in aluminium at Bottom(Casting height 120mm/lower dia 155mm)and middle casting(height 65mm and base dia 138mm) with petal design patterns as shown in drawing.The pole shall have window cutting of 300mmx80mm weather proof lush door & locking arrangement for housing of the pole to accommodate electrical accessories(Bakelite plate and connector) for power supply connection.</p> <p>The window cover is fitted with allenscrews to the pole and is to be provided in bottom section of pole. The body of the pole shall be machined and polished properly to give it a smooth surface as per IS 2629 and IS2633.</p> <p>The decorative pole shall be duly pre-treated and painted UV resistant coating in Grey color shade.The Pole & the cast iron embellishments should be machined & polished properly to get the smooth finish.The coating should have a DFT of 80-90microns. Entire unit shall be given an extensive three Stage treatment with PU base detch primer, Zinc phosphate primer and PolyUrethane paint of approved color & prescribed for such surfaces to make it absolutely rust and corrosion proof,as well as giving it a pleasing appearance.</p> <p>Base plate of 200mmX200mm with 12mm thickness,having 4 holes of 20mm dia at a distance of 142mm.</p>	<p>Nos.</p>	

<p>62</p>	<p>Supply, installation, testing & commissioning of ARCHITECTURAL DECORATIVE DOUBLE ARM POLE Supply of 3-Meter-high Pole (lower section-1mtr,remaining GI Pipe 2mtr), having lower section OD 114mm and top section 60mm diameter and Made out of GI pipe as per IS1239. The pole must have two ornamental decorative casting Golden color made of Pressure Diecasting in aluminium at Bottom(Casting height 120mm/lower dia 155mm)and middle casting(height 65mm and base dia 138mm) with petal design patterns as shown in drawing.The pole shall have window cutting of 300mmx80mm weather proof lush door & locking arrangement for housing of the pole to accommodate electrical accessories(Bakelite plate and connector) for power supply connection. The window cover is fitted with allenscrews to the pole and is to be provided in bottom section of pole. The body of the pole shall be machined and polished properly to give it a smooth surface as per IS 2629 and IS2633. The decorative pole shall be duly pre-treated and painted UV resistant coating in Grey color shade.The Pole & the cast iron embellishments should be machined & polished properly to get the smooth finish.The coating should have a DFT of 80-90microns. Entire unit shall be given an extensive three Stage treatment with PU base detch primer, Zinc phosphate primer and PolyUrethane paint of approved color & prescribed for such surfaces to make it absolutely rust and corrosion proof,as well as giving it a pleasing appearance. Base plate of 200mmX200mm with 12mm thickness,having 4 holes of 20mm dia at a distance of 142mm.</p>	<p>Nos.</p>	
<p>63</p>	<p>3000k a.c. LED Strip on Street Light Pole</p>	<p>Rmt</p>	<p>Product Features:</p> <ul style="list-style-type: none"> Operates on Mains voltage (220V – 240V AC) Available in 8W/m with 60 LEDs/m & 11W/m with 120 LEDs/m Average lifetime up to 25,000 hours 45 meter in length, cuttable every 1m intervals 100,000 times switching cycle, <0.5s starting time Excellent light output and performance, suitable for outdoor & indoor use Available in 3000K, 4000K, 6500K (CCT as per ANS) and Red, Green & Blue colors Can be extended in 2700K, Amber, Pink, Purple & Ice-Blue colors on request 
<p>64</p>	<p>SITC of exterior BIS registered static CCT Flexible LED Strip with 14.4 Watt per meter. LED Strip should have 60Nos LEDs per meter through out the length with the silicon cover with system lumens >1200 lms/meter and System Lumen Efficacy >80lm/w. Standard Length of LED Strip is 5 mtr. The Strip should have IP 67 protection with inbuilt IP67 connectors at both ends. LED Strip shall be suitable to operate at an ambient temperature range of -20°C to 50°C. Life time shall be at least L70B50 @ 35000 burning hours at 50°C. LED should of make Nichea, Osram, Cree, Lumiled, Hongya of 5050 SMD package only. The rated voltage of the Luminaire should be 24VDC, Luminaire shall be offered with a BIS Approved Potted Driver of IP 66/67 Powered by an independent, isolated, SELV output, IP67 electronic LEDdriver (SMPS based constant voltage supply) with Output Short-circuitprotection, Surge Voltage protection & other safety test as per IS:15885 Part 2/Sec 13. To be supported with Product test reports, LM78, BIS Pre-approval</p>	<p>Nos.</p>	

65	<p>Supply Installation testing & commissioning of adjustable Mini Spot Light 30-35W RGBW, enabled with high power LEDs & anti-aging and anti-UV high optical efficiency temperature-resistant lenses, surface mounted with snoot, Narrow/Medium/Wide beam luminaire suitable for outdoor applications of Façade Lighting, depending on design and site requirement, with Die-cast aluminium housing, powder-coated finish, Power consumption should be 30-35W at steady state full intensity, Luminaire luminous flux range of Color rendering index CRI ≥ 80 for white LEDs's and power factor of complete luminaire ≥ 0.90, at full intensity. Luminaire should be provided with suitable integral/separate non-integral power supply unit. Lumen maintenance of at least L70@50,000 burning hours at 25°C. Ingress Protection ≥ IP 66. Impact resistance level ≥ IK 07. Adequate heat sink with proper thermal management shall be provided. Operating Temperature : -10°C to +50°C, Operating Humidity : 10%-90%. THD should be less than 10%. Housing to have adjustable base bracket for angle adjustment so that the light direction can be adjusted to illuminate desired structural elements. The fixtures proposed must have passed LM 79.8.</p>	Nos.	
F Sculptures			
66	<p>Designing, Providing & Installation of Sculpture on a theme as shown in the picture below. The material for this sculpture is M.S with LED for Illumination. The Height of the Sculpture should be minimum 9m, width of the sculpture shall be 2 m. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement(TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with CoalTar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +-10% in Length, Width and Height shall be permitted.) Inclusive all taxes Excluding of GST .etc. Complete.</p>	Job	
67	<p>Designing, Providing & Installation of Sculpture of Peacock as shown in the picture below. The material for this sculpture is Fibre/FRP. The Height of the Sculpture should be minimum 5m, Width of the sculpture shall be 3 m. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement(TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with CoalTar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +-10% in Length, Width and Height shall be permitted.) Inclusive all taxes Excluding of GST .etc. Complete.</p>	Job	
68	<p>Designing, Providing & Installation of Sculpture as shown in the picture below. The material for this sculpture is Fibre/FRP. The Height of the Sculpture should be minimum 15 m, Width of the sculpture shall be 8m. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement(TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with CoalTar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +-10% in Length, Width and Height shall be permitted.) Inclusive all taxes Excluding of GST .etc. Complete.</p>	Job	

69	<p>Designing, Providing & Installation of Sculpture as surrounding filled with sports grounds as shown in the picture below . The material for this sculpture is Fibre/FRP . The Height of the Sculpture should be minimum 4 m, Width of the sculpture shall be 3 m. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement(TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coalter Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +-10% in Length, Width and Height shall be permitted.) Inclusive all taxes Excluding of GST .etc.</p>	Job	
70	<p>Fish sculpture [Size of sculpture- 11 m (L) x 3 m (W) x 4 m (H)], an armature is a framework around which the sculpture is built , when the sculpture could not stand on its own. This framework provides structure and stability, especially when a plastic material is being used as the medium and has essentially the same purpose to hold the body erect. Polyurethane coatings form tough, chemically resistant coatings and make good, high-gloss cosmetic finishes. They have good abrasion and impact resistance and are particularly useful in high wear areas. They have good weather resistance . Mixed media sculpture is fundamentally most sculpture, as it is defined as any sculpture than is comprised of more than one material, plinths and stands aside. By using more than one material when making a piece of sculpture you are giving yourself more options for structural integrity, colour, texture, mass, scale, etc. Mixed media art is more specific in its delivery, a mixed media piece is produced using several materials to express something through its visual language, more commonly acknowledged within paintings, a mixed media piece of art possesses a sense of unified chaos or regimental order depending on the artist's creative angle.</p>	Job	
71	<p>Designing, Providing & Installation of Sculpture as shown in the picture. The material for this sculpture is GRC/FRP . The Height of the Sculpture should be minimum 10 m, Width of the sculpture shall be 2m & Lenght of the sculpture shall be 30 m. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement(TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coalter Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +-10% in Length, Width and Height shall be permitted.) Inclusive all taxes Excluding of GST .etc. Complete.</p>	Job	

72	<p>Designing, Providing & Installation of Sculpture as shown in the picture. The material for this sculpture is GRC/FRP . The Height of the Sculpture should be minimum 10 m, Width of the sculpture shall be 1.5m & Length of the sculpture shall be 4 m. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement(TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +-10% in Length, Width and Height shall be permitted.) Inclusive all taxes Excluding of GST .etc. Complete.</p>	Job	
73	<p>Designing, Providing & Installation of Sculpture as shown in the picture. The material for this sculpture is GRC/FRP . The Height of the Sculpture should be minimum 15 m, Width of the sculpture shall be 3.5m & Length of the sculpture shall be 3.5 m. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement(TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +-10% in Length, Width and Height shall be permitted.) Inclusive all taxes Excluding of GST .etc. Complete.</p>	Job	
74	<p>Designing, Providing & Installation of Sculpture as shown in the picture. The material for this sculpture is GRC/FRP/Wire Mesh . The Height of the Sculpture should be minimum 10 m, Width of the sculpture shall be 1m & Length of the sculpture shall be 1 m. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement(TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +-10% in Length, Width and Height shall be permitted.) Inclusive all taxes Excluding of GST .etc. Complete.</p>	Job	
75	<p>Designing, Providing & Installation of Sculpture as shown in the picture. The material for this sculpture is GRC/FRP . The Height of the Sculpture should be minimum 20 m, Width of the sculpture shall be 3.5m & Length of the sculpture shall be 3.5 m. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement(TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +-10% in Length, Width and Height shall be permitted.) Inclusive all taxes Excluding of GST .etc. Complete.</p>	Job	

76	<p>Designing, Providing & Installation of Sculpture as shown in the picture. The material for this sculpture is GRC/FRP with Digital Screen (3m x 1.5m) . The Height of the Sculpture should be minimum 15 m, Width of the sculpture shall be 3m & Length of the sculpture shall be 1.5 m. Thickness of FRP material should be 5-10mm. Including all cost of design, Making models (if any), making sculpture, inspection charges, Transportation, Fixing at site, Construction of Foundation in RCC- M20 Grade Concrete including Reinforcement(TMT/FE 500), Pedestal including all material required for fixing the sculpture, coating the pedestal with Coaltar Epoxy Coating, all Filling material upto the base of Sculpture, polishing and painting of the sculpture, as directed by Engineer in Charge. (Variation in size off sculpture shall be +-10% in Length, Width and Height shall be permitted.) Inclusive all taxes Excluding of GST .etc. Complete.</p>	Job	
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