



पुणे महानगर प्रदेश विकास प्राधिकरण, पुणे

Pune Metropolitan Region Development Authority, Pune

नविन प्रशासकीय इमारत, आकुर्डी रेल्वे स्टेशन जवळ, आकुर्डी, पुणे - 411 044

New administrative Building, Near Akurdi Railway Station, Akurdi, Pune -

411 044 फोन क्र.: 020-25933344/ 27652934 ई-मेल : comm@pmrda.gov.in

पुणे महानगर
नियोजनबद्ध विकास



स्वातंत्र्याचा अमृत महोत्सव

जा. क्र. /EG(रस्ते)/Civil & Electrical Work/संचिका क्र. 121/1171/2026

दि. 24/06/2026

दरपत्रक सूचना क्र. 16/2026-27

पुणे महानगर प्रदेश विकास प्राधिकरण कार्यालयामार्फत मौजे कुरवंडे, ता. मावळ, जि. पुणे येथील टायगर व लॉयन्स पॉइंट PPP तत्वावर विकसित करणेकरीता स्थापत्य, विद्युत, लँडस्केपिंग, प्लंबिंग व साऊंड व लाईटिंग विषयक कामाचे अंदाजपत्रक तयार करण्याचे काम प्रगतीपथावर चालु आहे. त्याअनुषंगाने उपरोक्त बाबींचे दर निश्चित करणेकरीता सदर दरपत्रक प्रसिद्ध करण्यात येत आहे.

विषयांकित कामाकरीता इच्छुक पुरवठादारांनी सिलबंद दरपत्रके पुणे महानगर प्रदेश विकास प्राधिकरणाच्या आकुर्डी कार्यालयात दुसऱ्या मजल्यावरील अभियांत्रिकी विभाग (रस्ते) मधील आवक विभागात दि. 02/07/2026 रोजी सायंकाळी 5:00 वाजपर्यंत आवक विभागात अथवा celpmrda@gmail.com या ईमेल आयडी वर दरपत्रके देण्यात यावेत.

अटी व शर्ती:-

1. कोणतेही दरपत्रक मान्य अथवा नाकारण्याचा अधिकार मा. महानगर आयुक्त, पु.म.प्र.वि.प्रा. यांनी राखून ठेवला आहे.
2. सिलबंद कोटेशनच्या पाकिटावर कोटेशन नोटीस क्र. कामाचे नाव तसेच फर्म/कंपनीचा स्पष्ट उल्लेख असावा.
3. सदर दरपत्रकामधील बाबींचे बाबनिहाय दर नमुद करावे.
4. अपूर्ण व उशिरा आलेल्या कोटेशनचा विचार केला जाणार नाही.
5. ठेकेदारास/पुरवठादारास फर्म अस्तित्वात असलेबाबतचा पुरावा मागणीअंती सादर करावा लागेल.
6. उपरोक्त दरपत्रके केवळ दर निश्चित करणेकरीता मागविण्यात येत आहे. कृपया याची नोंद घ्यावी.
7. नमुद रक्कम ही सर्व करासह (मात्र GST वगळून) असावी.
8. विषयांकित कामाच्या अधिक माहितीकरीता श्री. ज्ञानोबा चौरे, उप अभियंता, अभियांत्रिकी विभाग (रस्ते) यांचेशी संपर्क साधावा.

सोबत:- कामाचा तपशील.

सही/-

(शिवकुमार कुपल)

कार्यकारी अभियंता

अभियांत्रिकी विभाग (रस्ते)

पुणे महानगर प्रदेश विकास प्राधिकरण

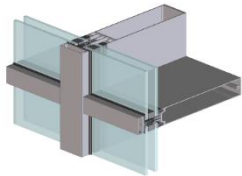
Civil Work

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
1	Providing walkable load bearing glass with load bearing capacity of 750 kg/sq.mt including Glass Installation & Installation Article (80 Density gasket & Water-resistant silicon. The glass shall be Lite-Floor®49mm thick clear, Heat strengthened and Laminated glass, having load bearing capacity of 750 Kg/m ² , characterized by light transmission of 75.2%, external reflection 6%, solar factor 0.60, shading coefficient 0.69, U-Value 4.2 W/m ² K and weight of the glass shall be 115 kg/m ² . The maximum size of the glass supplied shall be 1.18 m X 3 m considered in a four-sided support configuration.		882.45	Square Metre	
2	Supply and installation of DYWIDAG Double Corrosion Protection (DCP) Prestressed Thread Bar Anchor (fp0.1k / fpk = 950/1050) in accordance with BS 8081:2015/EN 1537, of 12m length with prestressing thread bar of diameter 40mm, with corrugated sheathing for the entire length of the anchor and smooth sheathing in the free length, complete with anchor plates with trumpet, domed nut, and suitable spacers, sealing rings, anchor head and all accessories included. The cost includes entire cost of manpower, equipment's for drilling of holes, supply of DCP Anchor, grouting and complete with all accessories including tendon head, storage and protection. The anchor system must be approved by DIBt(Deutsches Institut für Bautechnik) or any other similar agency for permanent applications as per BS 8081 / EN1537.		17700	Running metre	
3	Membrane Waterproofing for Shingles-Providing and Laying double Layer bituminous membrane on roofs of thickness 3mm each by torch on method with the help of LPG torch flame after after priming the surface with solvent		4319.59	Square Metre	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	based bituminous primer @ 0.25kg / sqm by brush. The joints at the overlap shall be sealed using LPG torch flame and a thapi. Overlap should be 75-100mm in longitudinal direction and 100- 125 mm transverse. (SINGLE LAYER)				
4	Madurai Gold Basin Counter Top-Providing and constructing granite kitchen platform of Madurai Gold Finish with fixing of Wash-hand basin of size as per detailed drawing including vertical both side polished kadappah stone 25 to 30 mm thick supports with kadappa, top 35 to 40 mm thick and polished granite 16 to 20mm top with side strips of granite at front and both sides of platform raised with two vertical granite supports 15cm height and top granite of 75x40 cm including cutting, opening for sink of required size in kadappah as well as granite etc. complete. (Platform top size as per detailed drawing).		67.91	Square Metre	
5	Perforated Metal Shutter-Providing and Fixing Aluminium Shutter curtain manufactured from single wall extruded aluminium lath profile with dimensions of individual slats of 40mm high x 8.7mm thick. Lath to have micro-perforations throughout for light and airflow. Extruded aluminium guides with an integral box section for reinforcement and to facilitate fixing. Guiderails have high density 5mm pile brush seals for quiet and smooth operation. Guiderail dimensions as follows: 60mm wide x 24mm deep. Roll formed aluminium in two sections; top and bottom boxes. Bottom box removable for installation and maintenance and chamfered at 45°. The shutter box is assembled on steel endplates. 250mmx3750mm Manual push up/pull down operation. Bottom rail central key lock or guide pin locks. Polyester Powder Coated White or Dark Brown etc complete.		675.12	Square Metre	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
6	Curtain wall Glazing-The profile system shall be based on capped curtainwall design and glass shall be held all around by mechanical pressure plate and cap with microwave cured EPDM gaskets in all four sides of glazing, Transom shall be overlap with mullion to have proper drainage to mullion, with necessary brackets of Aluminium alloy of 6005 T5 / MS with HDG with three dimentional adjustment with serrations and serrated washers to arrest the wind load movement, Anchor Fastners, screws and fasteners all complete required to perform as per specification and drawing in conjunction with BOQ. The system shall be designed of floor height units spanning between the floors with face mounted brackets on mullion with provision to accommodate movement at all floor levels and at every grid panels horizontally. System shall be mounted on to the bracket arrangement with the help of Anchor Fastner. The spandrel panel shall have aluminium adaptor profile to balance the IGU and SGU glass thickness in black anodised. System shall accomodate openable panel as per Architectural requirment in the system . All fix vision glass and openable shall look similar in the elevation. Providing & fixing MS hot dip galvanised stiffener inside CCW system in line with structural calculation requirements wherever applicable. The MS stiffener shall be fixed to the mullion profile with SS machine screws. Glass : 24mm Thick Insulated Glass Unit (IGU) (Extra Over Item) Glass : 24mm Thick Insulated Glass Unit (IGU) 6mmHS (Saint Gobain / Guardian) + 12mm Airgap + 6mm clear HS (System + Fabrication + Installation cost) Ground Floor Façade Glazing		375.17	Square Metre	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
7	Curtain wall Glazing-The profile system shall be based on capped curtainwall design and glass shall be held all around by mechanical pressure plate and cap with microwave cured EPDM gaskets in all four sides of glazing, Transom shall be overlap with mullion to have proper drainage to mullion, with necessary brackets of Aluminium alloy of 6005 T5 / MS with HDG with three dimensional adjustment with serrations and serrated washers to arrest the wind load movement, Anchor Fastners, screws and fasteners all complete required to perform as per specification and drawing in conjunction with BOQ. The system shall be designed of floor height units spanning between the floors with face mounted brackets on mullion with provision to accommodate movement at all floor levels and at every grid panels horizontally. System shall be mounted on to the bracket arrangement with the help of Anchor Fastner. The spandrel panel shall have aluminium adaptor profile to balance the IGU and SGU glass thickness in black anodised. System shall accomodate openable panel as per Architectural requirment in the system . All fix vision glass and openable shall look similar in the elevation. Providing & fixing MS hot dip galvanised stiffener inside CCW system in line with structural calculation requirements wherever applicable. The MS stiffener shall be fixed to the mullion profile with SS machine screws. Glass : 24mm Thick Insulated Glass Unit (IGU) (Extra Over Item) Glass : 24mm Thick Insulated Glass Unit (IGU) 6mmHS (Saint Gobain / Guardian) + 12mm Airgap + 6mm clear HS (System + Fabrication + Installation cost) First Floor Bending Façade Glazing		247.23	Square Metre	
8	Providing Fixing in position retractable glass door for required height a per site up to 3.5 m with automatic sensor,12mm clear toughened glass of approved make with all necessary fixtures and fastnings, fittings, belts		152.08	Running metre	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	,sensors,sliders,rollers, transportation, handling, installation with all necessary precautions and care in all respect complete..				
9	Patch Fitting Swing Door-Patch Fitting Swing door (Double / Single Leaf) with stainless steel patch fittings for external facade application. 25 mm Diameter x 600mm Long SS handle, External series patch fittings, Door lock at bottom of each shutter & floor spring. Floor spring co Door glass shall be fully tempered with holes & notches as per patch fitting requirement. Edges Machine ground mirror polished. Provide SS threshold of 10mm at bottom of door to prevent water entering thru floor level.vers shall be SS satin finish as per Architect's approval (rate for complete system as mentioned above with 12mm thk. Clear FT with Heat) (D1 - 2200mm x 2450mm (Double Leaf))		14.4	Square Metre	
10	Stainless Steel Handrail for Parapet and Ramp-Providing and fixing 50mm diameter Stainless steel hand railing in S.S.304 Grade with Stainless steel square/circular pipe bracket support of size 32mmx32mmx1.5mm at 1m distance c/c including fabricating, fixtures, erecting, necessary welding, grinding, finishing, buffing to stainless steel pipe etc. complete. As per design, drawing and as directed by Architect/Engineer-in-charge.		204.08	Running metre	
11	Providing and fixing Solid precast reinforced concrete handrail of width 8 inches and height 38 inches with a substantial, heavy-duty gripping surface and visual anchor for classical or modern facades, which shall be permanently embedded into concrete footings or attached using heavy steel anchors and grouting and painted regularly to match building exteriors, or left as raw/textured cement. As per design, drawing and as directed by Architect/Engineer-in-charge. etc complete		88.59	Running metre	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
12	Shingles Roofing -Providing and Applying of GAF North Americas Timberline HD Shingles of Finish as per Detialed drawing with Torch on Method		6319.69	Square Metre	
13	Providing & Fixing 15mm thk Everest Cement Board for Roofing Eaves of design as per detailed drawing including Scaffolding, self-attested screw etc Complete		657.07	Running metre	
14	Providing, fabrication and installation of DOME GLASS SKYLIGHT -The profile system shall be based on skylight system with double drainge in Mullion & transom with transom overlap on mullion. The system shall be supported on structural steel members. The laminated glass unit held on Pressure plate with cap & structural glazing. Grooves shall be filled with non staining weather selants, Microwave cured EPDM gaskets, Structural & weather sealants, Open PU cell Spacer tape, backer rod, Bracketing system with MS hot dip galvanized / Aluminium Alloy of brackets designed to accommodate three dimensional movements with serrated plate and serrated washers, SS 316 grade fasteners & Anchor Fastners, nylon separators to prevent bi-metallic contacts, Aluminium trims and flashings to seal the gaps between curtain wall and the building structure all complete required to perform as per specification and drawing in Glass : 13.52mm Thick Laminated Glass 6mm Thick Clear HS + 1.52mm Thick PVB + 6mm Thickk Clear HS as per detail drawing & design as directed by Engineer in charge.		162.61	Square Metre	
15	Design, Fabrication, Supply and install required structural steel frame work in line with design drawings made out of MS pipe sections / I Beams /		7317.62	kilograms	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	Channels / Plates of approved make make of first quality confirming to IS standard. The steel design shall accommodate thermal stresses resulting from thermal expansion due to surface temperatures. The steel structure shall be finish with the following, Primer : Zinc Rich Epoxy 75 micron , Barrier : Epoxy Mio 80 to 100 micron The MS support structure shall be custom designed as per design wind pressure & self weight of the system as per IS code & shall be designed & approved from Project Structural Consultant.				
16	METAL FALSE CEILING WITHOUT SUSPENSION SUPPORT FROM TRUE CEILING: Providing & fixing horizontal level suspended metal ceilings comprising of Metalworks F-H 600 Hook-on corridor system manufactured by Armstrong Ceiling Solutions with Rectangular panels made of 0.7mm thick Galvanised Steel (GI) of 120gsm, post coated to Global White colour, suitable for Interior applications and architectural finishes, double grid concealed system and butt joint panels. The panel width shall be 300mm, length ranging from 1500mm to 2660mm. General Specifications:Entire system to be designed for Interior applications, and concealed Grid, Butt joint panels. Panel Specifications: Material: The F-H 600 rectangular Hook-on panels to be made of galvanized steel (GI) of minimum 120gsm hot dipped galvanization (both sides included) as per IS 277 (2003), zero or minimum spangled, in minimum base material thickness of 0.7mm as per in IS:513 (1994). Dimensions: The panel Length varies between 1500mm to 2660mm, panel Width shall be 300mm. The dimensional tolerances for length shall be $\pm 1.0\text{m}$ up to 1000mm L; $\pm 1.5\text{mm}$ between 1001 to 2000mm L; $\pm 2.0\text{mm}$ between 2001 to 3000mm L. The dimensional tolerances for width shall be $\pm 0.5\text{m}$ up to 300mm W.		228.71	Square Metre	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	Dimensional Tolerances for panel Thickness / panel width / panel length - to be measured in accordance with TAIM standards. Edge detail: the panels shall have Square Edge, with a 3mm(W) x 8mm(H) black foam gasket glued at the edges, typically on one long and one short side. All adjacent panels shall touch each other forming a butt joint and concealed grid visuals. Upturns: The short side of the panel shall have vertical upturns of minimum 30mm (H) and shall be bent appropriately bent as per the manufacturer's specifications for providing hook-on ends. The long side shall have inside horizontal bends of 5-15mm for rigidity and vertical upturns of 40mm (for length ranging from 1251- 2660mm). Surface Finish: Plain: The panels shall be in plain unperforated finish (without any acoustical backing / felt). Colour and finishes: The panel surface shall be electrostatically powder coated (post coat) on visible side after mechanical production, using RoHS compliant powder, to achieve coating thickness ranging from 60-80µ and architectural quality finish. The powder coating shall pass Salt Spray Test for 750 Hours as per ASTM B117, QUV —A Test for 1000hours as per ASTM G-154 — (Cycle — 1) and Humidity test for 1000hours as per DIN 50017, 250 hours of condensation test (as per Installation Specifications: Primary and secondary runners Installation: U-Profiles, spaced at 1200mm, to be suspended from ceiling using clamping brackets and threaded rods OR hanger wires. Hanger wires must be wrapped tightly with 3 full wraps. The J-Bars (directional) shall intersect the U-profile at 90° at every module dictated by the panel length. The J-Bar is connected to the U-profile with a J-Bar hanger and secured to the matching square U-Profile slots using plug-in clips. Self-tapping screws to be used when square U-Profile slots do not match the hangers. The U-profiles and J-Bars be fastened to two adjacent walls using the wall anchor and bolts. U-Profiles and J-bars to be at a				

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	maximum distance of 450mm (max.) to a perimeter wall or outside edge of a floating module. To join two pieces of continuous U-profiles and J-Bars, a U-Profile splice and J Bar splice to be used respectively. Panel Installation: Full size metalworks R-H 200 panels (directional) to be hooked on to the J-Bars (in accordance with the shop drawings) along the short side (typical) to cover the span / width of the corridor. Field-cut Panels: Perimeter panels that require field cutting to fit on a wall trim option must have a minimum of 12mm edge resting on the horizontal surface of the wall moldings. Wall Moldings: 19x19 wall angle to be fastened to the perimeter using screws, at every 450mm to 600mm L. Warranty: The Tile & Grid system used together shall carry a 10 year warranty against manufacturing defect and manufacturer shall provide a warranty certificate. The Tile & Grid shall have the manufacturers name embossed/printed on it. The supply shall be backed by a Manufacturing Test Certificate.				
17	Dry wall Cladding- Providing & fixing Vitrified Tile for external Dry wall cladding having 15mm thickness as per required specifications. The item to include framing of aluminium box pipe having dimensions 16gauge (50mm x 50mm) and aluminium L-shaped angle having dimensions 16 gauge (19mm x 19mm). Aluminium framing shall sustain and support self weight and of aluminium High-Pressure Laminate sheet for external cladding. Weather proof silicone shall be of Dow Corning make or of equivalent quality. All necessary screw fittings and necessary hardware shall be included etc. complete. Technical specifications to be cleared on site at the time of execution as directed by Architect/Engineer-in-charge.		5801.98	Square Metre	
18	Structural Glazing -Providing, fabricating & fixing Structural Glazing as per drawing with Spider Glazing Curtain wall system. Necessary fixed glass sash with necessary toggles and necessary openable glass sash with Stainless		64.50	Square Metre	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	Steel Hinges. Glass fixing to be in silicone of Dow Corning make or of equivalent quality with 3mm VHP tape. Primary framing of structural glazing to be fixed with 304 grade stainless steel fasteners including all necessary mechanical joints & fittings with 304 grade stainless steel screws. Glass to be used for structural glazing shall be Heat-strengthened having thickness 6mm or shall be Reflective Heat-strengthened having thickness 5mm+ 4mm Heat-strengthened clear glass in 1.2mm PVB lamination. Item to include scaffolding, transportation of necessary material and hardware, lifting and labour etc complete. Technical specifications to be cleared on site at the time of execution as as directed by Architect/Engineer-in-charge.				
19	Providing, fabrication and installation-The profile system shall be based on capped curtainwall design and glass shall be held all around by mechanical pressure plate and cap with microwave cured EPDM gaskets in all four sides of glazing, Transom shall be overlap with mullion to have proper drainage to mullion, with necessary brackets of Aluminium alloy of 6005 T5 / MS with HDG with three dimensional adjustment with serrations and serrated washers to arrest the wind load movement, Anchor Fastners, screws and fasteners all complete required to perform as per specification and drawing in conjunction with BOQ. The system shall be designed of floor height units spanning between the floors with face mounted brackets on mullion with provision to accommodate movement at all floor levels and at every grid panels horizontally. System shall be mounted on to the bracket arrangement with the help of Anchor Fastner. The spandrel panel shall have aluminium adaptor profile to balance the IGU and SGU glass thickness in black anodised. System shall accomodate openable panel as per Architectural requirment in the system . All fix vision glass and openable shall look similar in the elevation. Providing & fixing MS hot dip galvanised stiffener		425.00	Square Metre	

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	inside CCW system in line with structural calculation requirements wherever applicable. The MS stiffener shall be fixed to the mullion profile with SS machine screws. Glass : 24mm Thick Insulated Glass Unit (IGU) (Extra Over Item) Glass : 24mm Thick Insulated Glass Unit (IGU) 6mmHS (Saint Gobain / Guardian) + 12mm Airgap + 6mm clear HS				
20	Providing and fixing 900mm high SS 302 Grade Stainless Steel Railing with 50mm dia and 1.5mm thick at top, 38mm dia and 1.5mm thick vertical supports spaced at 0.60m c/c or as required and horizontal pipes of 25mm dia in 3 rows, all pipes of 2.0mm thick including buffibg, fabricating, fixtures and fastening including pipe base of appropriate diameter and ball base of 75mm dia above newel post of 75mm dia etc. complete. (Prior approval of sample and brand by Engineer-In-Charge / Consultant is necessary bedfore use.)		42.00	Running metre	
21	Providing, fabricating, assembling, and erecting an Architectural Tensile Membrane structure in the desired profile as per conceptual drawing, with Valmex FR 1000 Mehatop N or having minimum Tensile strength (Warp/Weft) 6000/5500 N/50 mm & minimum tear strength (Warp/Weft) of 900 / 800 N, with Nano polymered fluorinated lacquer, Multicomposed PVDF-lacquer system on both sides, antimicrobial, UV-protected, Titanium dioxide (TiO2) front side primer and the fabric should be weldable without grinding having a minimum weight of 1050 gm/sqm and tested 100000 times for crack resistance. Burning behavior BS 7837, California T 19, DIN 4102: B1, NFPA 701 Test 2, D.M. 26.06.84 (UNI 9177): CL. 2, NFP 92507: M2 (Coloris blanc), AS 1530 part 2, AS 1530 part 3, EN 13501-1: B-s2-d0 with a minimum 20 years warranty of approved color over steel structure frames (underneath steel structure shall be paid separately) with all		1850	Square Metre	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	fittings and fixtures such as Galvanized MS End Plate, Shackles, Rigging Screws, Turnbuckles, swedge, fork, keder rods & galvanized MS strands with stainless steel end terminals complete as per Drawing / Detail & as per particular/ technical specifications and as per the directions of Engineer-in-charge. (Rate includes cost of fabric, patterns, forming, cutting, fabrication, hot weld stitch of fabric, Transport to the site, assembling and installation with GI strands, hardware, EPDM gasket and required accessories wherever required complete SQM 500 3500 1750000 You Imagine we Build D/103-104, Sita Vihar CHS Ltd., Damani Estate, LBS Marg, Naupada, Thane (W) — 400602. India Telefax : + 91 22 25426756 Web: - www.westernoutdoor.in Email: - luckydaler@yahoo.co.uk / info@westernoutdoor.in including lifts up to all heights, tools & plants, and necessary scaffolding etc. required for all operations in all respect as per direction of Engineer-In-Charge). (Note : (i) Actual plan area of canopy shall only be measured for payment. (ii) Galvanized strands, Galvanized MS end plate and powder coated aluminium flat bar only shall be paid separately under respective item.) (Work is to be executed by a Specialised Agency having experience in executing similar nature of works).				
22	Providing and fixing of metal door,door frame shall be single rebate profile of size 125mm X 57mm made out of 1.6mm(16gauge) mimimum thick galvanised steel sheet,frames shall be mitre joints and Single leaf door shall be 46.6mm thick fully flush with infill of resin bonded honeycomb kraft,door leaf shall be of 1.2mm (18 gauge)minimum thick galvanized steel sheet with provision for louvers inbuilt as per drawing / with vision panel to be provided with 6mm glass, beeding and screws from inside. Frames should be provided with back plate bracket and anchor fasteners for installation on a finished plastered masonry wall opening .All doors shall be		2.89	Square Metre	

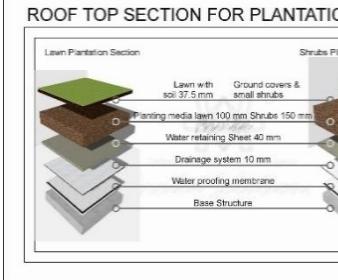
Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	factory prepared for receiving appropriate hardwares and provided with necessary reinforcement for hinges,locks,handle and door closure,colour of door frame and shutter shall be of approved colour, etc complete. As directed by Engineer-In-Charge.				

Landscaping Work

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
1	Providing and fixing 75mm thick TREE GRATING size 950x950x75mm as per design and drawing. The rate shall be inclusive of providing and laying 50 to 80 mm thick average bedding layer of course sand below tree grating as per required grading and specification. The centre of the grating to be same as the centre of the tree trunk. Grating to be 8 pcs as per drawing. The work of the grating blocks shall be executed in line and level by skilled mason of flooring work only.	 Tree Guard TG-3 950*950*75mm, ID 650mm	180	Number	
2	Providing & Fixing Basalt Stone Cobble with Rockface Finish / Matt Finish, set in cement mortar 1:3, bearing size 8" by 8" and thickness 75 mm or more, with Wide Joints and deep sunk pointing (not exceeding 15 mm) including watering as per the directions of the engineer in charge Complete.		1792.09	Square Metre	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
3	Providing & Fixing Basalt Curb Stone with Machine Cut Finish, set in cement mortar 1:3, bearing height 1.5' and thickness 150 mm champhered at top, with Closed Joints (not exceeding 2 - 3 mm) including watering as per the directions of the engineer in charge Complete.		8363.00	Running metre	
4	Providing & Fixing Basalt Stone Coping set in cement mortar 1:3, bearing thickness 75 mm with Wide Joints and deep sunk pointing (not exceeding 15 mm) including watering as per the directions of the engineer in charge Complete		68.41	Square Metre	
5	Providing & Fixing of Random Basalt Stone Flooring with Horizontal Tack Finish, set in cement mortar 1:3, bearing thickness 75 mm and natural shape (Nontooled), with uneven Joints and deep sunk pointing including watering as per the directions of the engineer in charge Complete.		4871.48	Square Metre	
6	Providing & Fixing Basalt Stone Flooring with Horizontal Tack Finish, set in cement mortar 1:3, bearing size 10" by 15" and thickness 75 mm or more, with Closed Joints (not exceeding 2 - 3 mm) including watering as per the directions of the engineer in charge Complete.		781.77	Square Metre	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
7	Providing & Fixing Random Polygonal Basalt Stone Wall with Rockface Finish, set in cement mortar 1:3, bearing size 7" and thickness 75 mm or more, with Wide Joints and deep sunk pointing (not exceeding 15 mm) including watering as per the directions of the engineer in charge Complete		453.8	Square Metre	
8	Providing & Fixing Basalt Stone Steps with Horizontal Tack Finish, set in cement mortar 1:3, bearing Tread 12" and Riser 6", Closed Joints (not exceeding 2 - 3 mm) including watering as per the directions of the engineer in charge Complete.		23.36	Square Metre	
9	Providing & Fixing of Basalt Stone Bench, bearing size 4' by 1.5' and Height 1.5' as per the directions of the engineer in charge Complete.		65	Number	
10	Supplying and Installation of GEO GRID HONEY COMB MEMBRANE of size 3m x 5m, perforated strips of high density polyethylene that are bonded together to create a network of interconnected cells, to protect the soil on slopes avoiding erosion and protect from detachment during rainfall, The Make shall be of Presto Geo Systems/ Green Tech or Equivalent, or AS APPROVED BY eENGINEER iNCHARGE. The Rate is Inclusive of Transportation to site Loading, Unloading, etc Complete		1325	Square Metre	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
11	SUPPLYING AND LAYING, WATER RETAINING SHEET - ROCK WOOL 40MM THICK OF Urbanscape® or equivalent and as approved by Engineer Incharge, the Green Roll is made of long rock mineral wool fibres specially needed to form a compact and dimensionally stable felt. Product is made solely of virgin rock mineral fibres which ensures excellent water retention and conservation in green roofs and is a good growing medium made from various mineral mixtures. The Rate is Inclusive of Transportation to site Loading, Unloading, etc Complete		1325	Square Metre	
12	Supplying at Site BUDDHA BELLY BAMBOO PLANT BAG SIZE 18 X 18 HEIGHT OF PLANT 5'0"		150	Number	
13	Supplying at GOLDEN BAMBOO PLANT BAG SIZE 18 X 18 HEIGHT OF PLANT 7'0" TO 8'0"		430	Number	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
14	Supplying at ORNAMENTAL BANANA PLANT - MUSA ORNATA BAG SIZE 21" X 21" PLANT HEIGHT 5'0"		2	Number	
15	Supplying at TERMINALIA MANTALY BAG SIZE 18" X 18" PLANT HEIGHT 8'0" TO 10'0"		10	Number	
16	Supplying at MELIA DUBIA BAG SIZE 18" X 18" PLANT HEIGHT 6'0" TO 7'0"		10	Number	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
17	Supplying at MAHOGANY / KHAYA GRANDIS BAG SIZE 21" X 21" PLANT HEIGHT 8'0" TO 10'0"		10	Number	
18	Supplying at PANGARA VARIEGATED BAG SIZE 18" X 18" PLANT HEIGHT 7'0" TO 8'0"		5	Number	
19	Supplying and Fixing CLIMBING PEGS (PRICING PER PIECE) The product to match the colours, design, size, contours and aesthetics exactly as per the image attached. The indoor products are all in rotomolded LLDPE Virgin plastics. The soft play are made of children-friendly foam and soft yet durable PVC. etc complete.		300	Number	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
20	900MM SINGLE MOUND SLIDE Supply and Fixing of 900MM SINGLE MOUND SLIDE : " The product to match the colours, design, size, contours and aesthetics exactly as per the image attached. " All components designed and manufactured to meet with EN 1176 safety standards. The EN 1176 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The Equipment comprises of 2 numbers of support are to be schedule HOT DIP Galvanized steel with a 114mm OD The finished products have the following typical characteristics: 0.5mm thickness, oven cured between 191oC and 220oC, to achieve Flexibility, Impact, Salt Spray {Corrosion} Resistance, Hardness, and Adhesion. All post caps are to be cast from aluminum which is pretreated, cured and sandblasted, 114mm. Bolts, nuts, screws, washers and etc used for assembly shall be stainless steel 304 of tamper resistant stainless steel. Exposed hardware shall be covered with safety caps as per EN1176 standards as a safety. All Joints are Robotic Welded. EMBANKMENT SLIDE DIMENSIONS: 1.73 m x 0.93 m x 2.1 m, etc Complete.		2	Number	
21	1200MM SINGLE MOUND SLIDE Supply & Fixing of 1200 mm Single Mound Slide: " The product to match the colours, design, size, contours and aesthetics exactly as per the image attached. " All components designed and manufactured to meet with EN 1176 safety standards. The EN 1176 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The Equipment comprises of 2 numbers of Upright structural posts of height 2.4 m are to be schedule Galvanized steel with a 114mm OD. Single Straight Slide of size 2.41 m x 0.95 m x 2.3 m, Plastic Components [super thick plastic] shall be rotationally molded All rotational molding is carried out in state of the art, precision, bi		2	Number	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	axial roto moulding machines which helps achieve guaranteed uniform wall thickness, seamless joints, accurate process control, one part construction to make it stressfree. Bolts, nuts, screws, washers and etc used for assembly shall be stainless steel 304 grade and shall be of tamper resistant stainless steel. Exposed hardware shall be covered with safety caps as a safety. All joints are Robotic welded. All components designed and manufactured to meet with EN 1176 safety standards. STRAIGHT SLIDE DIMENSIONS: 3.60 m x 1.28 m x 2.4 m etc Complete.				
22	TUNNEL-1M Supply & Fixing of Tunnel- 1m: " The product to match the colours, design, size, contours and aesthetics exactly as per the image attached. "All products must be tested and certified to meet EN 1176 safety standards. The EN 1176 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The Tunnel is made up of stainless steel of length 1 meters and diameter of 760mm. The thickness of the tunnel is of 2.2mm. Specialized connectors such as clamps and couplings casted from aluminum alloy. Bolts, nuts, screws, washers and etc used for assembly shall be stainless steel 304 of tamper resistant stainless steel. Exposed hardware shall be covered with safety caps as per EN 1176 standards. All Joints are robotic welded. All components designed and manufactured to meet with EN 1176 safety standards. Joints are robotic welded. PLAY EQUIPMENT DIMENSIONS: Dia — 0.76m Length — 1M		2	Number	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
23	TUNNEL-1.5M Supply & Fixing of Tunnel-1.5 m: " The product to match the colours, design, size, contours and aestheticsexactly as per the image attached. "All products must be tested and certified to meet EN 1176 safety standards.The EN 1176 certificates must be issued by a reputed notified International Certifying Body such as IPEMA,TUV, CPSC, or SGS only. The Tunnel is made up of stainless steel of length 1.5 meters and diameter of 760mm.The thickness of the tunnel is of 2.2mm. Specialized connectors such as clamps and couplings casted fromaluminum alloy. Bolts, nuts, screws, washers and etc used for assembly shall be stainless steel 304 of tamperresistant stainless steel. Exposed hardware shall be covered with safety caps as per EN1176 standards. ALL23,52,622 7 ,05,24411,31,110 2 2 M 7,95,494 1200MM SINGLE MOUND SLIDE1 5,90,988TUNNEL-1.5M Joints are robotic welded. All components designed and manufactured to meet with EN 1176 safety standards. Joints are robotic welded.PLAY EQUIPMENT DIMENSIONS: Dia — 0.76m Length — 1.5M etc Complete.		2	Number	
24	MOUND TRIPLE ROPE CLIMBER Supply & Fixing of Mound triple Rope Climber: "The product to match the colours, design, size, contours and aesthetics exactly as per the image attached. " All components designed and manufactured to meet with EN 1176 safety standards. The EN 1176 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. Rope: 16mm dia stainless steel core. Polypropylene coveredbraided multifilament rope. Metallic Parts: 76mm dia stainless steel , AISI-304. Fixings: Steel conforming to 8.8 DIN267, AISI-304.All Joints are robotic welded.ALL WELDING IS CARRIED OUT BY ROBOTS [SIMMILIAR TO THE ONES USED IN THE AUTOMOBILE INDUSTRY], WHICH GUARANTEES STRONG		2	Number	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	AND SMOOTH WELDS ELIMINATING ANY RAG, WELD SCARS AND ENSURES THE INTEGRITY AND STRENGTH OF THE WELDED AREAS.PLAY EQUIPMENT DIMENSIONS: LENGTH: 2.2 m – 2.5 m etc Complete.				
25	CHALLENGE COURSE - 01 Supply and Fixing of Challenger Course 1: Upright structural posts of height 0.55 m, 1.47 m , 1.55 m, 1.83 m, 2.0 m, 2.10 m, 2.36 m are to be schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing. Deck of size 1.16 m x 1.16 m, different levels of 0.3 m and 0.6m shall be an all-Robotic welded assembly fabricated from perforated solid punched steel. Deck perimeter is precision pre punched for attachments. Decks are pre pressed, punched, and welded, powder coated to 2.2mm thickness or vinyl plastic coated to a thickness of 4mm. Handrail of height 1.09 m and Dia 32 mm. Support Legs of height 76 mm, 190 mm,240 mm and Dia 32 mm. Toprails Of Monkey Bars of size 3 m x 1.04 m, Net climber of size 2.5 m x 1.02 m (2 Nos), Monkey loop of size 2.47 m x 1.05 m x 1.95 m (1Nos), Vertical Rope climber of size 2.6 m x 0.14 m (4 Nos), Semi circle of Balance beam ,2 Nos of Rope bridge comprise of ropes of Dia 16 mm, Rope obstacle of Semi circle,Wavey climber comprise of ropes of Dia 16 mm, Rope bridge comprise of ropes of Dia 16 mm are all robotic welded fabricated from 48MM O.D. galvanized steel pipes for the outer bars and 32 mm OD galvanized steel for the inner parallel bars. The supplier must have carried out in excess of at least 100 public park projects in India either by themselves or through their dealers or contractors. The rates are inclusive of all taxes, transportation charges and installation. ALL COMPONENTS MEET WITH EN-1176 SAFETY STANDARDS. PLAY EQUIPMENT DIMENSIONS: 18.59 m x 11.47 m x 2.75 m etc Complete.		1	Number	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
26	ANIMALS IN METAL- Designing, Manufacturing, Supplying and Installation at Site, 1 Lion & 1 Lioness Size : 6 Ft X 6.5' Ft Material : MS Colour Material : Crome & Deco paint (BASE : 6' X 4') Including steel reinforcement as required, The Sculpture Foundation to be designed and approved prior to installation the sculpture to be properly embeded in Foundation, The Fixing cleates with Hot Dipped Galvanized (HDG) where exposed, and fasteners- plated from HILTI/KLIMAS/FISCHER or equivalent, Inserts if embedded in Precast concrete should be SS 316 The Sculpture should be dsigned to withstand wind pressure, earth quake and other dynamic forces. it is the responsibility of supplier to prepare a mould in POP get it approved from Engineer incharge / Architect before final production, Ref Image or Identical image is attached for better understanding. The Rate is Inclusive of Transportation to site Loading, Unloading, etc complete.		2	Number	
27	ANIMALS IN METALDesigning, Manufacturing, Supplying and Installation at Site, 1 Tiger Size : 4'5" Ft X 6' Ft Material : MS Colour Material : Crome & Deco paint (BASE : 6' X 4') Including steel reinforcement as required, The Sculpture Foundation to be designed and approved prior to installation the sculpture to be properly embeded in Foundation, The Fixing cleates with Hot Dipped Galvanized (HDG) where exposed, and fasteners- plated from HILTI/KLIMAS/FISCHER or equivalent, Inserts if embedded in Precast concrete should be SS 316 The Sculpture should be dsigned to withstand wind pressure, earth quake and other dynamic forces. it is the responsibility of supplier to prepare a mould in POP get it approved from Engineer incharge / Architect before final production, Ref Image or Identical image is attached for better understanding. The Rate is Inclusive of Transportation to site		1	Number	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	Loading, Unloading, etc complete.				
28	Designing, Supplying and Installation at Site LIFE SIZE REALISTIC ANIMALS IN FRP Colour Material : Deco paint Colour : Realistic in T6 Jungle area as shown on drawing. The Rate is Inclusive of Transportation to site Loading, Unloading etc Complete				
28.01	LIFE SIZE REALISTIC ANIMALS IN FRPGiraffe (BASE : 4.5' X 6' & 3' X 4')Size : Life sizeMaterial : FRPColour Material : Deco paint Colour : Realistic		2	Number	
28.02	LIFE SIZE REALISTIC ANIMALS IN FRPElephant (BASE : 5' X 8' & 3' X 4')Size : Life sizeMaterial : FRPColour Material : Deco paint Colour : Realistic		2	Number	
28.03	LIFE SIZE REALISTIC ANIMALS IN FRPRhino (BASE : 4' X 7')Size : Life sizeMaterial : FRPColour Material : Deco paint Colour : Realistic		1	Number	
28.04	LIFE SIZE REALISTIC ANIMALS IN FRPChimpanzee (BASE : 3' X 3')Size : Life sizeMaterial : FRPColour Material : Deco paint Colour : Realistic		2	Number	
28.05	LIFE SIZE REALISTIC ANIMALS IN FRPMonkey (BASE : 2.5' X 2.5')Size : Life sizeMaterial : FRPColour Material : Deco paint Colour : Realistic		1	Number	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
28.06	LIFE SIZE REALISTIC ANIMALS IN FRPHippopotamus (BASE : 4' X 7')Size : Life sizeMaterial : FRPColour Material : Deco paint Colour : Realistic		3	Number	
28.07	LIFE SIZE REALISTIC ANIMALS IN FRPZebra (BASE : 4' X 5')Size : Life sizeMaterial : FRPColour Material : Deco paint Colour : Realistic		1	Number	
28.08	LIFE SIZE REALISTIC ANIMALS IN FRPHorse (BASE : 5' X 6' & 4' X 5')Size : Life sizeMaterial : FRPColour Material : Deco paint Colour : Realistic		2	Number	
28.09	LIFE SIZE REALISTIC ANIMALS IN FRPJaguar (BASE : 4' X 5')Size : Life sizeMaterial : FRPColour Material : Deco paint Colour : Realistic		1	Number	
29	Designing, Manufacturing, Supplying and Installation at Site,STONE & METAL CREATIVE SCULPTURES Size : 2' ft to 6' ftMaterial : Stone & MSColour Material : Deco paint Colour : Monocolour The Sculpture Foundation to be designed and approved prior to installation the sculpture to be properly embeded in Foundation, The Fixing cleates with Hot Dipped Galvanized (HDG) where exposed, and fasteners- plated from HILTI/KLIMAS/FISCHER or equivalent, Inserts if embedded in Precast concrete should be SS 316 The Sculpture should be dsigned to withstand wind pressure, earth quake and other dynamic forces. it is the responsibility of supplier to prepare a mould in POP get it approved from Engineer incharge / Architect before final production, Ref Image or Identical image is attached for better understanding. The Rate is Inclusive of Transportation to site		10	Number	

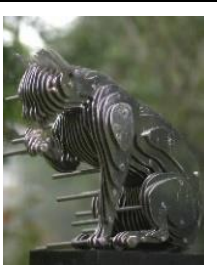
Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	Loading, Unloading etc Complete				
30	Supplying and Installation of Creative Vertical Designs Size : Total Height 30' ft 24 Vanes (Height 12'ft And Width min 1' Ft to max 5' Ft) Material : MSColour Material : Deco paint Colour : Crome & Monocolour(BASE :)		14	Number	
	Supplying and Installation of WIND FLOWER SCULPTURE Size : Flower Diameter 10' ftTotal Height 30' FT Material : MSColour Material : Crome Colour : Monocolour(BASE : 4' X 5')		1	Number	
31	Designing, Manufacturing, Supplying and Installation at Site CREATIVE SCULPTURE Size : 6' Ft to 10' Ft Material : MSColour Material : Deco paint Colour : As per image(BASE :) approved from Engineer incharge / Architect before final production, Ref Image or Identical image is attached for better understanding. The Rate is Inclusive of Transportation to site Loading, Unloading, etc complete.		4	Number	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
					
32	Designing, Manufacturing, Supplying and Installation at Site SAVE TREE Size : 10' Ft WidthMaterial : FRPColour Material : Deco paint Colour : As per image(BASE :) approved from Engineer incharge / Architect before final production, Ref Image or Identical image is attached for better understanding. The Rate is Inclusive of Transportation to site Loading, Unloading, etc complete.		1	Number	
33	Designing, Manufacturing, Supplying and Installation at Site, Family (Creative) Sculpture of Size : H 5'.5" Ft x W 3' Ft x 2' Ft and other details as stated, Material : FRP 5 to 6mm thick Paint : deco paint Color : monocular (BASE : 2'.5" x 2'.5"). Including steel reinforcement as required, The Sculpture Foundation to be designed and approved prior to installation the sculpture to be properly embeded in Foundation, The Fixing cleates with Hot Dipped Galvanized (HDG) where exposed, and fasteners- plated from HILTI/KLIMAS/FISCHER or equivalent, Inserts if embedded in Precast concrete should be SS 316 The Sculpture should be dsigned to withstand wind pressure, earth quake and other dynamic forces. it is the responsibility		3	Number	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	of supplier to prepare a mould in POP get it approved from Engineer incharge / Architect before final production, Ref Image or Identical image is attached for better understanding. The Rate is Inclusive of Transportation to site Loading, Unloading, etc complete.				
34	Designing, Manufacturing, Supplying and Installation at Site, Family (Creative) Sculpture of Size : H 5'.5" Ft x W 3' Ft x 2' Ft and other details as stated, Material : FRP 5 to 6mm thick Paint : deco paint Color : monocular (BASE : 3' x 3'). Including steel reinforcement as required, The Sculpture Foundation to be designed and approved prior to installation the sculpture to be properly embeded in Foundation, The Fixing cleates with Hot Dipped Galvanized (HDG) where exposed, and fasteners- plated from HILTI/KLIMAS/FISCHER or equivalent, Inserts if embedded in Precast concrete should be SS 316 The Sculpture should be dsigned to withstand wind pressure, earth quake and other dynamic forces. it is the responsibility of supplier to prepare a mould in POP get it approved from Engineer incharge / Architect before final production, Ref Image or Identical image is attached for better understanding. The Rate is Inclusive of Transportation to site Loading, Unloading, etc complete.		3	Number	
35	Designing, Manufacturing, Supplying and Installation at Site, Family (Creative) Sculpture of Size : H 5'Ft x W 5' Ft x 2' Ft and other details as stated, Material : MS and FRP 5 to 6mm thick Paint : deco paint		3	Number	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	Color : monocular (BASE : 2'.5" x 2'.5"). Including steel reinforcement as required, The Sculpture Foundation to be designed and approved prior to installation the sculpture to be properly embeded in Foundation, The Fixing cleates with Hot Dipped Galvanized (HDG) where exposed, and fasteners- plated from HILTI/KLIMAS/FISCHER or equivalent, Inserts if embedded in Precast concrete should be SS 316 The Sculpture should be dsigned to withstand wind pressure, earth quake and other dynamic forces. it is the responsibility of supplier to prepare a mould in POP get it approved from Engineer incharge / Architect before final production, Ref Image or Identical image is attached for better understanding. The Rate is Inclusive of Transportation to site Loading, Unloading, etc complete.				
36	Designing, Manufacturing, Supplying and Installation at Site, Symbol (Creative) Sculpture of Size : H 5’Ft x W 5’ Ft x 2’ Ft and other details as stated, Material : MS with thickness as per Design Paint : deco paint Color : monocular (BASE : 2'.5" x 2'.5"). Including steel reinforcement as required, The Sculpture Foundation to be designed and approved prior to installation the sculpture to be properly embeded in Foundation, The Fixing cleates with Hot Dipped Galvanized (HDG) where exposed, and fasteners- plated from HILTI/KLIMAS/FISCHER or equivalent, Inserts if embedded in Precast concrete should be SS 316 The Sculpture should be dsigned to withstand wind pressure, earth quake and other dynamic forces. it is the responsibility of supplier to prepare a mould in POP get it approved from Engineer incharge		4	Number	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	/ Architect before final production, Ref Image or Identical image is attached for better understanding. The Rate is Inclusive of Transportation to site Loading, Unloading, etc complete.				
37	BIG SCULPTURS Family (Semi Realistic) Designing, Manufacturing, Supplying and Installation at Site, Size : H 10' Ft x W 7' Ft x L 4' Ft Material : FRP Paint : Deco paint Color : Monocolour (BASE : 8' X 5') Including steel reinforcement as required, The Sculpture Foundation to be designed and approved prior to installation the sculture to be properly embeded in Foundation, The Fixing cleates with Hot Dipped Galvanized (HDG) where exposed, and fasteners-plated from HILTI/KLIMAS/FISCHER or equivalent, Inserts if embedded in Precast concrete should be SS 316 The Sculpture should be dsigned to withstand wind pressure, earth quake and other dynamic forces. it is the responsibility of supplier to prepare a mould in POP get it approved from Engineer incharge / Architect before final production, Ref Image or Identical image is attached for better understanding. The Rate is Inclusive of Transportation to site Loading, Unloading, etc complete.		2	Number	
38	Head (Creative) Designing, Manufacturing, Supplying and Installation at Site, Family (Semi Realistic) Size : 5' Ft X 4'.5" Ft Material : MS Colour Material : Crome (BASE : 3' X 3') Including steel reinforcement as required, The Sculpture Foundation to be designed and approved prior to installation the sculture to be properly embeded in Foundation, The Fixing cleates with Hot Dipped Galvanized (HDG) where exposed, and fasteners- plated from HILTI/KLIMAS/FISCHER or equivalent, Inserts if embedded in Precast		1	Number	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	concrete should be SS 316 The Sculpture should be dsigned to withstand wind pressure, earth quake and other dynamic forces. it is the responsibility of supplier to prepare a mould in POP get it approved from Engineer incharge / Architect before final production, Ref Image or Identical image is attached for better understanding. The Rate is Inclusive of Transportation to site Loading, Unloading, etc complete.				
39	Designing, Manufacturing, Supplying and Installation Quantum Sculpture of HeadSize : 5' Ft X 5' FtMaterial : MSColour Material : Deco paint(BASE : 5' X 3') approved from Engineer incharge / Architect before final production, Ref Image or Identical image is attached for better understanding. The Rate is Inclusive of Transportation to site Loading, Unloading, etc complete.		1	Number	
40	Designing, Manufacturing, Supplying and Installation at site Quantum Sculpture of Little BoySize : 6'.5" Ft X 4'.5" FtMaterial : MSColour Material : Deco paint(BASE : 2'.5" X 2'.5") approved from Engineer incharge / Architect before final production, Ref Image or Identical image is attached for better understanding. The Rate is Inclusive of Transportation to site Loading, Unloading, etc complete.		1	Number	
41	Designing, Manufacturing, Supplying and Installation at site Quantum Sculpture of AnimalSize : 5' Ft X 6' FtMaterial : MSColour Material : Deco paint(BASE : 6' X 4') approved from Engineer incharge / Architect before final production, Ref Image or Identical image is attached for better understanding. The Rate is Inclusive of Transportation to site Loading, Unloading, etc complete.		1	Number	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
42	Quantum Sculpture of Human in sitting position Designing, Manufacturing, Supplying and Installation at Site, Family (Semi Realistic) Size : 5' Ft X 4'.5" Ft Material : MS Colour Material : Deco paint (BASE : 4'.5" X 4') Including steel reinforcement as required, The Sculpture Foundation to be designed and approved prior to installation the sculpture to be properly embeded in Foundation, The Fixing cleates with Hot Dipped Galvanized (HDG) where exposed, and fasteners- plated from HILTI/KLIMAS/FISCHER or equivalent, Inserts if embedded in Precast concrete should be SS 316 The Sculpture should be dsigned to withstand wind pressure, earth quake and other dynamic forces. it is the responsibility of supplier to prepare a mould in POP get it approved from Engineer incharge / Architect before final production, Ref Image or Identical image is attached for better understanding. The Rate is Inclusive of Transportation to site Loading, Unloading, etc complete.		1	Number	
43	Human in sitting position Designing, Manufacturing, Supplying and Installation at Site, Family (Semi Realistic)Size : 4'.5" Ft H Material : FRP Colour Material : Deco paint (BASE : 4'.5" X 4') Including steel reinforcement as required, The Sculpture Foundation to be designed and approved prior to installation the sculpture to be properly embeded in Foundation, The Fixing cleates with Hot Dipped Galvanized (HDG) where exposed, and fasteners- plated from HILTI/KLIMAS/FISCHER or equivalent, Inserts if embedded in Precast concrete should be SS 316 The Sculpture should be dsigned to withstand wind pressure, earth quake and other dynamic forces. it is the responsibility		1	Number	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	of supplier to prepare a mould in POP get it approved from Engineer incharge / Architect before final production, Ref Image or Identical image is attached for better understanding. The Rate is Inclusive of Transportation to site Loading, Unloading, etc complete.				
44	Designing, Supplying and Installation at Site Plant Life size Animal (LION) topiary in Malphigia plant including its skeleton made up of M.S mesh 2" x 2". The Rate is Inclusive of Transportation to site Loading, Unloading, etc complete.		1	Number	
45	Designing, Supplying and Installation at Site Plant Life size Animal (TIGER) topiary in Malphigia plant including its skeleton made up of M.S mesh 2" x 2". The Rate is Inclusive of Transportation to site Loading, Unloading etc Complete		1	Number	
46	"Designing, Supplying and Installation DustbinMaterial : MS Colour Material : Deco paint Colour : As per reference image provided by Landscape Architect (BASE : 3' X 3') The Rate is Inclusive of Transportation to site Loading, Unloading, etc Complete		50	Number	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
47	Supplying and Transporting & spreading of good quality GOLDEN SAND including the cost of spreading the sand, loading,unloading etc. complete.		5	Cubic Meter	
48	GAZEBO:- Supply and Installation of Cast Iron Gazebo, as per Drawing and size, the scope includes, excavaion for foundation in all types of soil, murrum hard rock ect, Foundation as per design, grade M25, Flooring in Natural basalt stone pattern as detailed in drawing, The Gazebo structure to have CI Column size as detailed in drawing, to have Railing on all three sides with seating benches, the Roof to be in Metal Deck RCC Slab M25 Grade, the roof to be treated for waterproofing with Shingles by torching method of of Timberline GAF make. The structure to be painted with Eposy PU paint with priming, Make of Paint to be Jotun, Asian, Berger or Equivalent etc Colour shade as approved by Architect/ Engineer Incharge. etc Complete SIZE 4M X 4M SQUARE		13	Number	
49	GAZEBO:- Supply and Installation of Cast Iron Gazebo, as per Drawing and size, the scope includes, excavaion for foundation in all types of soil, murrum hard rock ect, Foundation as per design, grade M25, Flooring in Natural basalt stone pattern as detailed in drawing, The Gazebo structure to have CI Column size as detailed in drawing, to have Railing on all three sides with seating benches, the Roof to be in Metal Deck RCC Slab M25 Grade, the roof to be treated for waterproofing with Shingles by torching method of of Timberline GAF make. The structure to be painted with Eposy PU paint with priming, Make of Paint to be Jotun, Asian, Berger or Equivalent etc Colour shade as approved by Architect/ Engineer Incharge. etc Complete SIZE 6M		5	Number	

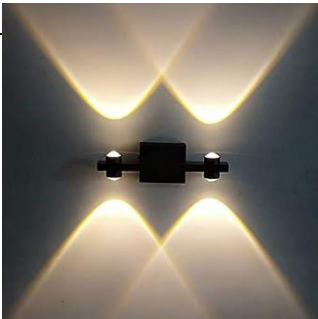
Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	X 6M HEXAGONAL				
	IRRIGATION				
50	Providing, laying and fixing in position P.V.C. pipe of 75mm X6 kg/cm2 conforming to ISI S : 4985 / 2000 with fittings such as bends, tees, reducers, clamps, etc. including necessary excavation, trench filling etc. complete. (Make: Jain/Equiv.)		1998.61	Running metre	
51	Providing, laying and fixing in position P.V.C. pipe of 50mm X6 kg/cm2 conforming to ISI S : 4985 / 2000 with fittings such as bends, tees, reducers, clamps, etc. including necessary excavation, trench filling etc. complete..(Make: Jain/Equiv)		5620.21	Running metre	
52	Providing, laying and fixing in position P.V.C. pipe of 40mm X6 kg/cm2 conforming to ISI S : 4985 / 2000 with fittings such as bends, tees, reducers, clamps, etc. including necessary excavation, trench filling etc. complete..(Make: Jain/Equiv)		229.26	Running metre	
53	Providing and Fixing at work site of POP UP SPRINKLER 9.5" of rigid plastic on site. The Pop sprinkler powerful throw permits maximum spacing and offers superior close in watering and uniform water distribution. Low pressure loss and efficient, staight through flow design conserve energy and are ideal for dirty water application. Non strippable gear drive function. Rate is inclusive of transportation, loading, unloading, laying, all reuired labour etc.complete as directed by engineer in charge. Technical specification as follows. Technical specification: 1) working pressure:2-4 kg/sqm. 2)Discharge flow:0.35-1.86 cum/Hr. 3)Radius:6 to 13 m 4)Inlet size: 1/2" female threaded inlet 5)Rugged ribbing case for maximum strength and durability.,		95	Number	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
54	providing and Fixing at work site of POP UP SPRAY 4" size (SPRINKLER) of rigid plastic on site. It is manufactured from special grade vergin polymers. Parts resistent to corrosion in treated recycled water containing chlorine and other chemicals. Strong stainless stell spring provides reliable stem retraction and withstands corrosion. Rate is inclusive of transportation, loading, unloading, laying, all reuired labour etc. complete as directed by engineer in charge .Technical specification as follows. Technical specification: 1) working pressure:1-4 kg/sqm. 2)Discharge flow:0.15-0.85 cum/Hr. 3)Radius:3 to 5.5 m 4)Inlet size: 1/2" female threaded inlet 5)Rugged ribbing case for maximum strength and durability. 6)part and full circle in one head,		359	Number	
55	Providing & laying on site of Flexible black tubing of 16mm size of approved make. Drip tubing is made from polyethylene and has emitters that are placed at intervals along the tube that correspond with the placement of each plant. Drip tubing is UV damage and algae growth black in colour 6 mm size with all fittings and accessories. The item includes all labour, tools, equipment, transportation, loading & unloading, etc. complete with proper fixtures and fasteners, necessary for installation and as directed by the Engineer In charge of the work,		18071.21	Running metre	
56	Providing and fixing Dripper of 4 liter per hour discharge 45 cm center to center on the LLDPE lateral, Jain make Rate includes transportation, loading, unloading, laying, all required labour etc. as directed by the Engineer In charge.		15877.98478	Number	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
57	Providing and Fixing of SAND FILTER (GRAVEL FILTER) with on site. It should be vertical with mushroom fitted on plate separating sand bed and clean water chamber with a sand bed depth of about 500mm. It should be installed with vacuum breakers to prevent vacuum inside the filter. The shell should be provided with a drain plug at bottom to drain out fine sediments and aside hand hole to facilitate easy removal of sand from the shell whenever the sand needs replacement. The filter housings should be protected by an extra durable epoxy paint from outside and black bituminous paint from inside. Transportation, loading, unloading, laying, all required labour etc. As directed by Engineer incharge.		13	Number	
58	Providing & Fixing PVC Rectangular Valve Boxes 12" Size (520x400x300 mm) etc complete.		155	Number	
59	Providing and fixing 50mm. dia PVC Ball Valve medium type including necessary fittings and tested as per municipal requirements etc. complete.,		136	Number	
60	Providing and fixing 75mm. dia PVC Ball Valve medium type including necessary fittings and tested as per municipal requirements etc. complete.,		19	Number	
61	Providing and fixing 40mm. dia PVC Double union Ball Valve medium type including necessary fittings and tested as per municipal requirements etc. complete.(Make: Jain/Equiv)		12	Number	
62	Providing and fixing 25mm Swing Joint including necessary fittings and tested as per municipal requirements etc. complete.,		454	Number	
63	Providing and fixing 50mm Service Saddle including necessary fittings and tested as per municipal requirements etc. complete.,		454	Number	
64	Providing and fixing QRC Including Key and tested as per municipal requirements etc. complete.,		81	Number	

Electrical Work

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
1	SITC of ceiling Gimble spots, with 3 nos of adjustable focus LED,3 x 10 W each, and angle lights integral driver, Al die cast housing, CT-3000 D K, Beam angle 30 Deg, warranty 3 years, Equiv to Nymane		9	Each	
2	SITC of ceiling Linear Gimble spots, with 4 nos of adjustable focus LED,4 x 10 W each, and angle lights integral driver, Al die cast housing, CT- 3000 D K, Beam angle 30 Deg, warranty 3 years, Equiv to Nymane		3	Each	
3	SITC of ceiling Linear Gimble spots, with 2 nos of adjustable focus LED,2 x 10 W each, and angle lights integral driver, Al die cast housing, CT- 3000 D K, Beam angle 30 Deg, warranty 3 years Equiv to Nymane		10	Each	
4	SITC of pendant light 36 W having handi type structure , polystyrene diffuser having system lumens output of Min. 4200 Lumens, min. efficacy of 120 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs. at L70B50, including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with 3		66	Each	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	years warranty. Equivalent to IKEA — SKURUP (RPL)				
5	SITC of decorative ball type chandelier having view Height: 115 cms Diameter: tapered uniformly to 100 cms. Weight: 75 kg. MOC - Blow Glass, Suspension chain - Brass - Length 800 mm with Eye bolt/ hook, 13 x 40 W LED, Lumen output of minimum 25600 Lumens, Min efficiency of 80 lumen/W operating range of 120- 270 V direct bulbs, Input Frequency - 50 Hz, CRI>80, CCT up to 5000K, Beam Angle of 90 deg., max. ripple of 5%, THD<10%, p.f. >0.95, surge protection of 2.5 kV, Life class of 50,000 Hrs. at L70B50, including driver, having mounting arrangement Supporting Rim - plated/ anodized MS - 100 cm Dia, complete with accessories complete with 3 years warranty.		13	Each	
6	SITC wall mounted decorative 2X 20 w LED Up Down light (cylindrical) with aluminium housing, beam adjustable reflector, approx. cylinder dia 130 mm, offers uniform light distribution with IP65 protection suitable for wall mount application. Lumen output of minimum 2400 Lumens+ 2400 Lumen Min efficiency of 120 lumen/W CRI>80, Input Frequency - 50 Hz CCT upto 5000K, max. ripple of 5%, THD<10%, p.f. >0.95, operating range of 120-270V,		12	Each	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	surge protection of 2.5 kV, Life class of 50,000 Hrs. at L70B50, including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with 3 years warranty UDL - Up Down light				
7	SITC of Exit Signage with 1 x 3 W LED. with Single / double sided & hanging arrangement. With Battery Backup. Exit Signage: A range of large exit signs for 32m, 48m or 60m viewing distances with Lithium-Ion (LIION) battery technology. Designed for ceiling installations. Electronics designed to lengthen the life of the battery, minimizing maintenance costs, as well as an environmentally friendly battery Complete as required.		42	Each	
8	SITC of cubicle pattern Vehicle charging DB for Cars & Bus as per SLD made of 14 SWG MS Sheet IP 65 rated duly painted with 2 coats of enamel paint comprising of the following Incomer 630A TPNE MCCB of as Incomer & 8 Each of 63 A TPN MCB + 1 of 250A TP MCB as outgoing Vehicle Charging DB (Bus + Car) Panel complying to design as per IS/IEC 61439		2	Each	
9	SITC of 10W (IP66) ,Linear wall wash NI 50 1000mm extruded Aluminum housing for better thermal conductivity, Primary optics covered with diffuser and tempered glass with effective wide beam distribution, Corrosion resistance Powder coated using Nano Technology, Encapsulated high efficiency Non integral driver with necessary safety protections along with additional SPD of 20KV,Life		10	Each	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	of 50,000 burning hrs. as per L70 standard, THD <10%, Available in RGBW compatible with DMX controller, Luminaire Efficacy~70 LPW- 3000K/4000K/5700K, CRI>70, Luminaire efficacy ~40LPW- RGBW, Beam angles available in Symmetrical-10°(except RGBW), 15°,30°,45°,60°/ Elliptical-10°X30°,10°X60°, 30°X60° with 3 years warranty				
10	SITC of Underwater Embedded Lights 50 W (IP68) high power colour changing with any colour Pressure Die cast, Stainless Steel grade SS 316L grade front cover and housing 7” diameter round type wall mount LED Bulb,12 V DC. Protection class IP68 suitable for fountain of different colours. System lumens output of min. 5500 lumens, min. efficacy of 110 Lumen/W, CRI>70, CCT up to 4000K, Beam Angle of 70 deg., THD<10%, p.f. >0.95, operating range of 230-12 V DC Including external driver in built surge protection of 10 kV, Life class of 50,000 Hrs. at L70B50, IK08 Class rated, IP68, PG - 11 CU with NICKEL - coated cable gland, EPDM gasket, Built in over heat sensor system enabling automatic shutdown at 75 deg. with 3 years warranty.		17	Each	
11	SITC of 27 W Color changing & monochromatic Buried Uplighter ideal for up lighting facades, columns & features with multiple Optics & extensive pallet of colors. Luminaire body uses high pressure die-casting aluminium. Cover uses stainless steel while the buried barrel uses high-quality corrosion resist antnylon. The diffuser use thickened toughened glass, having an advantages in impact resistance and abrasion. the diffuser and light cover is at the same level, no fall. monochrome or RGB color It's carried out by the DMX512 system		27	Each	

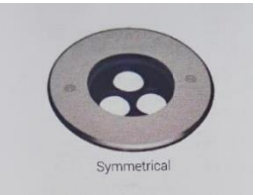
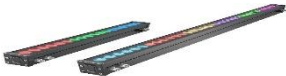
Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	Humanized design, fit for a wide range of demand in various applications temperature of the cover is low, High strength toughened glass, can withstand a weight of 3400 KG. system lumens output of min. 2970 lumens, min. efficacy of 110 lumen/W, CRI>80, CCT up to 6500K, Beam Angle of 120 deg., THD<10%, p.f. >0.95, operating range of 140-260V, in built surge protection of 2.5 kV, Life class of 50,000 Hrs. at L70B50, including driver, IP66, IK09 rated with 3 years warranty. Equivalent to LHEOGCPSU48V027				
12	SITC of Nebula ID : 4270 Input power : 18W Technical Description K-Lite surface mounted compact spot light designed to provide directional light. Beam angle 15° / 25° / 40°. Luminaire made of pressure die cast aluminium alloy of high corrosion resistance and non-corrosive A2 stainless steel fasteners. Clear toughened glass of 4mm thickness. Hybrid optics with lens & mirror finish pure aluminium reflector combination for higher efficiency, lower optical losses with optimum glare suppression. Swivel range of 0° - 90°. Single cable entrance M10 cable gland. Protection class IP66. Mechanical resistance IK06. Pure polyester powder coated graphite grey / anthracite grey / jet black. Available colour temperature 3000K / 4000K, Colour rendering index (CRI)>80. SDCM-3 MacAdam. K-Lite LED module with expected service life of at least 60,000 operating hours. Prewired with LED driver and suitable for operating on 240V, 50Hz single phase ac supply. Luminaire dimension: 160mm length x 100mm width x 154mm height. CE & BIS Certified.		45.00	Each	

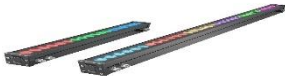
Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
13	SITC of Nebula ID : 4269 Input power : 18W Technical Description K-Lite spike mounted compact spot light designed to provide directional light. Beam angle 15° / 25° / 40°. Luminaire made of pressure die cast aluminium alloy of high corrosion resistance and non-corrosive A2 stainless steel fasteners. Clear toughened glass of 4mm thickness. Surface mounting spike made of polypropylene black. Hybrid optics with lens & mirror finish pure aluminium reflector combination for higher efficiency, lower optical losses with optimum glare suppression. Swivel range of 0° - 90°. Single cable entrance M10 cable gland. Protection class IP66. Mechanical resistance IK06. Pure polyester powder coated graphite grey / anthracite grey / jet black. Available colour temperature 3000K / 4000K, Colour rendering index (CRI)>80. SDCM-3 MacAdam. K-Lite LED module with expected service life of at least 60,000 operating hours. Prewired with LED driver and suitable for operating on 240V, 50Hz single phase ac supply. Luminaire dimension: 160mm length x 100mm width x 494mm height. CE & BIS Certified.		487	Each	
14	SITC of Wall Quad Mini ID : 3638 Input power : 2x12W Technical Description K-Lite Wall-mounted compact down light emission designed to use monochromatic Warm white (3000K) & Neutral white (4000K). Hybrid optics with lens & mirror finish pure aluminium reflector combination for higher efficiency, lower optical losses with optimum glare suppression. Extruded aluminium section with inner grooves to		76	Each	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	fix the top and bottom frame (grade 6063) ?100 x 3mm thickness, die-cast aluminium glass fixing frame ?100mm with clear toughened glass diffuser of 4mm thickness with ceramic black coated on outer corner siliconed to frame & die-cast aluminium top closing frame ?100mm (ADC12). Die-cast aluminium heat sink for excellent thermal management. Single cable entrance via black PG7 cable gland, Die cast aluminium base for surface mounting on wall (ADC12). All external screws are made of stainless steel. Clear silicone gasket. Protection class IP65. Mechanical resistance IK07. Acid treatment & pure polyester powder coated graphite grey / anthracite grey / jet black. The luminaire's built-in LED module are engineered accordingly to the existing regulations of Lumen Maintenance (LM80) and Technical Memorandum (TM21). Operating ambient temperature range is from -15°C to +50°C. Beam angle 15° / 25° / 40°, Colour rendering index (CRI)>80. Prewired with LED driver and suitable for operating on 240V, 50Hz single phase ac supply. Driver efficiency >85%, Power factor >0.95, THD <10%, Surge protection 2.5KV. Luminaire dimension: 150mm length x 100mm width x 270mm height. CE & BIS Certified.				
15	SITC of 9W LED decorative bollard/landscape luminaire with Nichia LEDs, CRI >80, symmetrical distribution, IP65, integral driver (PF >0.90, THD <10%), surge protection 2kV, extruded aluminium housing with clear acrylic rod diffuser, polyester powder coated finish, surface mounted, complete with all accessories and fixing hardware as required.		62	Each	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
16	SITC of 24V DC LED Neon Flex (3230), 3000K, 9W/m, CRI>80, IP65, 120° beam angle, silicone moulded diffuser, copper-coated LED strip, complete with external ON/OFF driver, end caps, clips, accessories, CE & BIS certified, suitable for facade lighting, complete as required.		413	Each	
17	SITC of 24V Series Waterproof SMPS Power Supply, model KL-8198, rated for 24V DC output at 6.25 Amps, 150W capacity, IP67 protection class, suitable for outdoor/industrial applications. The power supply shall be fully sealed, weatherproof type with dimensions 313 mm (L) x 43 mm (W) x 34 mm (H), complete with necessary connections, mounting accessories, as required for proper operation.		100	Each	
18	SITC of Pole made of extruded aluminium alloy (grade 6063) can achieve high strength and corrosion resistance in various atmospheric conditions. • Pole design parameters vary depending on the type of bracket and loading factor. • All pole sections are welded using special v groove technique by certified welders using high end MIG welding processes. • The control gear tray is prewired with MCB, terminal connectors for loop-in / loop-out arrangement. • Built-in control box with cast aluminium service door and safety rope. • Can be Integrated with LED Modules. • Earth connection.		242	Each	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	• Safety class I. • CE - Conformity mark. • BIS - Conformity mark.				
19	SITC of Pole made of extruded aluminium alloy (grade 6063) can achieve high strength and corrosion resistance in various atmospheric conditions. • Pole design parameters vary depending on the type of bracket and loading factor. • All pole sections are welded using special v groove technique by certified welders using high end MIG welding processes. • The control gear tray is prewired with MCB, terminal connectors for loop-in / loop-out arrangement. • Built-in control box with cast aluminium service door and safety rope. • Can be Integrated with LED Modules. • Earth connection. • Safety class I. • CE - Conformity mark. • BIS - Conformity mark.		148	Each	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
20	SITC of recessed in-ground LED luminaire, 8W, symmetrical distribution, CCT 2700K/3000K/4000K/5700K, IP67, IK08, stainless steel finish, integral driver, complete with KL-8160 two-way 3-pin IP68 connector, mounting accessories, wiring, fixing, as required. Size: Ø16 × 153 mm.		122	Each	
21	SITC of 24W LED projector light fixture, RGB/RGBW, DMX512 compatible, IP66, complete with integral/external driver, mounting accessories, wiring, fixing hardware, as required.		476	Number	
22	SITC of 40W LED projector light fixture, RGB/RGBW, DMX512 compatible, IP66, complete with integral/external driver, mounting accessories, wiring, fixing hardware, as required.		126	Number	
23	SITC of 50W LED projector light fixture, RGB/RGBW, DMX512 compatible, IP66, complete with integral/external driver, mounting accessories, wiring, fixing hardware, as required.		26	Number	
24	SITC of 120W LED projector light fixture, RGB/RGBW, DMX512 compatible, IP66, complete with integral/external driver, mounting accessories, wiring, fixing hardware, as required.		8	Number	
25	SITC of 180W LED projector light fixture, RGB/RGBW, DMX512 compatible, IP66, complete with integral/external driver, mounting accessories, wiring, fixing hardware, as required.		12	Number	
26	SITC of RGB/RGBW linear wall washer made of aluminium extrusion, LED Make : CREE / LUMINOUS / OSRAM / SEOUL / SAMSUNG, exterior-rated linear luminaire (1000mm), Input Power 60W, DMX512 with inbuilt decoder PCB for individual addressing		40	Number	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	for programming, Rated input supply of Input Voltage 24V DC.				
27	SITC of RGB/RGBW linear wall washer made of aluminium extrusion, LED Make : CREE / LUMINOUS / OSRAM / SEOUL / SAMSUNG, exterior-rated linear luminaire (1000mm), Input Power 48W, DMX512 with inbuilt decoder PCB for individual addressing for programming, Rated input supply of Input Voltage 24V DC.		74	Number	
28	SITC of RGB/RGBW linear wall washer made of aluminium extrusion, LED Make : CREE / LUMINOUS / OSRAM / SEOUL / SAMSUNG, exterior-rated linear luminaire (1000mm), Input Power 36W, DMX512 with inbuilt decoder PCB for individual addressing for programming, Rated input supply of Input Voltage 24V DC.		66	Number	
29	SITC of RGB/RGBW linear wall washer made of aluminium extrusion, LED Make : CREE / LUMINOUS / OSRAM / SEOUL / SAMSUNG, exterior-rated linear luminaire (1000mm), Input Power 18W, DMX512 with inbuilt decoder PCB for individual addressing for programming, Rated input supply of Input Voltage 24V DC.		666	Number	
30	SITC of RGB/RGBW linear wall washer made of aluminium extrusion, LED Make : CREE / LUMINOUS / OSRAM / SEOUL / SAMSUNG, exterior-rated linear luminaire (1000mm), Input Power 24W, DMX512 with inbuilt decoder PCB for individual addressing for programming, Rated input supply of Input Voltage 24V DC.		24	Number	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
31	SITC of LED linear flexible fully diffused module strip made of Silicon with RGBW LEDs, 15 Watts per mtr, 24V, 60LEDs per mtr programmable with external decoder, CRI > 80(for white). Strip to be supplied with Aluminium channel.		1131	Running metre	
32	SITC of decoders for the diffused 10 LED strip compatible for 10mtrs length. Decoders should be capable of addressing on DMX512 mode and should be interconnected in the existing RGB light system to achieve various lighting themes in synchronization with other RGB products as approved by engineer in charge.		113	Number	
33	SITC of IP67 rated LED Power Supply, input 230V AC and output 24V DC, 200W capacity, suitable for outdoor architectural/facade lighting applications, complete with all necessary accessories and mounting hardware		293	Number	
34	SITC of Signal Booster/Splitter with 4-Way output for spreading and amplifying the DMX Data signals in multiple directions, Input-220-240V AC		15	Number	
35	SITC of 2X512 DMX 512 Controller and synchronization with the existing DMX controller, Input Power 5-5.5V DC 0.6A, Output Protocol DMX512, Programmability Windows, Mac OS, iOS, Android, Connections Type C USB, XLR3, Ethernet, HE20, battery Memory micro SD & SDHC, Environment IP20. 0°C - 50°C, Buttons 10 buttons for direct access, 2 buttons to change scene, + 1 button to change zone Dimensions 160x90x45mm 268g, OS Requirements		7	Number	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	Mac OS X 10.8-10.15, Windows 7/8/10 64bit Standards EC, EMC, ROHS. Make- Nicol Audie, Pharos, Madrix, Color Kinetics				
36	SITC of DMX Special cable (single pair) having one 22AWG pair stranded (7x30) tinned copper conductors, Datalene (FHDPE) insulation, twisted pairs, overall Beldfoil shield (100% coverage) plus tinned copper braid, PVC jacket Cable. Beldon make or equivalent.		15770	Running metre	
37	SITC of Programming, Testing, Troubleshooting and synchronization the addressing of fixtures with the multiple scenes(at least 20 Themes) as per instruction of engineer in charge.		5	Job	
38	SITC of enclosure for Power Supply, Splitter, DMX Controller : Plain sides, grey cover, Degree of protection: IP 66/ IP 67, Impact strength: IK 08, Material, base: Fiberglass reinforced polycarbonate, Material, cover: Polycarbonate, Material, cover screws: Polyamide, Material, gasket: Polyurethane, Colour: RAL 7035		315	Number	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
39	SITC of 3.0 m high MS pole with suitable mounting bracket for projector light, including base plate, anchor fasteners, corrosion protection and finished with outdoor-grade powder coating, complete as required.		4	Number	
40	SITC of 1080p Outdoor Dome camera with 1/2.8-inch CMOS, Effective pixels 1920 x 1080 (2MP), 30fps, Sensitivity — (Measured according to IEC 62676 Part 5 (1/30, F1.6) Color 0.06 lx Mono 0.02 lx With IR 0.0 lx, 120 dB Dynamic range, Electronic Day/Night, IR range up to 30 meter (98Ft); Automatic Electronic Shutter (AES), H.265, H.264 MP (Main Profile); M-JPEG Video compression, White balance, Backlight Compensation, Privacy Mask, With Rule based alarms and tracking, Line crossing, Enter /leave field, Follow route, Loitering, Idle / removed object, People counting, Crowd density estimation, 3D tracking based on Duration, Size, Aspect ratio v/h, Speed, Direction, Color, Object classes (Upright persons, Bikes, Cars, Trucks), 3 to 9 mm Automatic Varifocal (AVF) lens, IR range up to 30mtrs; Micro SD card slot for edge recording, Motion, tamper and audio detection, FTP, IR range up to 30mtrs Dropbox and e-mail applications, 3 axis adjustment, ONVIF Profile S & G & T, PoE, IP66, IK10, CE, FCC, UL certified. SD card support up to 2TB..		17	Each	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
41	SITC of 1080p IR Bullet camera with 1/2.8-inch CMOS, Total sensor pixels 1920 (H) x 1080 (V); 30fps Sensitivity — Measured according to IEC 62676 Part 5 (1/30, F1.6), Color 0.06 lx, Mono 0.02 lx, With IR 0.0 lx, 120dB WDR, H.265; H.264; M- JPEG, Automatic Electronic Shutter (AES); Intelligent Dynamic Noise Reduction, Intelligent Defog, With Rule based alarms and tracking, Line crossing, Enter / leave field, Follow route, Loitering, Idle / removed object, People counting, Crowd density estimation, 3D tracking based on Duration, Size, Aspect ratio v/h, Speed, Direction, Color, Object classes (Upright persons, Bikes, Cars, Trucks) Privacy Masking, Pixel counter, Memory card slot, IR Range 30mtr, Automatic Varifocal 3.2 to 10 mm, Alarm Input 1/1, Audio Input/output, RJ45, G.711, Audio Streaming Full-duplex / half duplex, ONVIF Profile S, G & T, IP66, IK10, PoE, CE, FCC, UL certified. SD card support up to 2TB. FTP, Dropbox and e-mail applications with 3 years warranty		44	Each	
42	SITC of 5MP IR Bullet camera for Automatic Number Plate Recognition (ANPR) with 1/2.9-inch CMOS, Total sensor pixels 3072 (H) x 1728 (V); up to 25fps; Sensitivity — Measured according to IEC 62676 Part 5 (1/30, F1.6), Color 0.379 lx, Mono 0.042 lx, With IR 0.0 lx, 120dB WDR, H.265; H.264; M- JPEG, Automatic Electronic Shutter (AES); Intelligent Dynamic Noise Reduction, Intelligent Defog, With Rule based alarms and tracking, Line crossing, Enter / leave field, Follow route, Loitering, Idle / removed object, People counting, Crowd density estimation, 3D tracking based on Duration, Size, Aspect ratio v/h, Speed, Direction, Color, Object classes (Upright persons, Bikes, Cars, Trucks), Privacy Masking,		4	Each	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	Pixel counter, Memory card slot, IR Range 30mtr, Automatic Varifocal 3.2 to 10 mm, Alarm Input 1/1, Audio Input/output, RJ45, G.711, Audio Streaming Full-duplex / half duplex, ONVIF Profile S, G & T, IP66, IK10, PoE, CE, FCC, UL certified. SD card support up to 2TB. FTP, Dropbox and e-mail applications 3year warranty. annual comprehensive maintenance contract for camera system complete as per terms and conditions. Job includes 1) quarterly servicing 2) on call repair 3) replacement of all spares within 24 hours 4) sending standby manpower for VIP movement.				
43	SITC of 1080p HD IR PTZ Camera with 1/2.8" progressive scan CMOS, Effective pixels 1945 (H) x 1097 (V) (approximately 2.13M pixels), 30x Optical Zoom (4.5 mm—135 mm)(F1.6 - F4.4), 16X Digital Zoom, Minimum Illumination- Color: 0.0186 Lux , B/W: 0.004 lux, IR: 0 lux; IR distance 180 m (590 ft) (Detection); 120dB WDR, H.265, H.264, MJPEG streams, Intelligent Dynamic Noise Reduction, BLC, White Balance, Pan Range 360° continuous, Tilt Range -90° to 3° (Auto-flip 186°), Pan/Tilt Modes - Pan: 0.1°/s - 240°/s; Tilt: 0.1°/s - 120°/s, Presets 256, Tours, Audio- 1/1 Channel In/Out, Micro SD card support up to, 32 individually configurable privacy masks, Alarm inputs/outputs - 2/1, Dual Power options, Edge based analytics with Any object, Object in field, Crossing line, Entering field, Leaving field, Loitering, Following route, Idle object, Removed object, Counter, Occupancy, Crowd detection, Condition change, Similarity search, Tampering, Object filters based on Duration, Size, Aspect ratio v/h, Speed, Direction, Color, Object classes (Upright persons, Bikes, Cars, Trucks), IP66 , ONVIF Profiles		3	Each	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	S & G &T, FCC, CE, UL Certified. SD card support up to 2TB. Job includes 1) quarterly servicing 2) on call repair 3) replacement of all spares within 24 hours 4) sending standby manpower for VIP movement.				
44	SITC of 4MP IR Verifocal Camera with 1/1.8" progressive scan CMOS, Effective pixels 2688 x 1520 (4 MP), 60fps, 30x Optical Zoom (6.6 mm to 198 mm)(F1.5 to F4.8), 16X Digital Zoom, Minimum Illumination- Color: 0.0101 lux , B/W: 0.0016 lux, IR: 0 lux; IR distance OEM certification for installation is mandatory.		1	Each	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
45	SITC of NVR. 64 Channel professional series 4K HD Network Video Server : Processor : Industrial embedded micro-processoOperating System : LIN Two-way Talk : 1 channel Input, 1 channel Outpt, CVideo Output : 1 HDMI, 1 VGA Video Resolution : 3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768 Channel : 64 channel Bandwidth Incoming : Max. 200Mbps Incoming and 96Mbps outgoing bandwidth Motion Detection : MD Zones: 396(22×18). Alarm Input : 16 Channel, Low Level Effective, Green Terminal Interface Alarm Output : 4 Channel, NO/NC Programmable, Green Terminal Interface Smart Phone : iPhone, iPad, Android Phone Hard Disk : 8 SATA III ports, up to 10TB Each Trigger Events : Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Snapshot, Buzzer & Screen tips Recording Mode : Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Tampering, Video Loss), Stop Search Mode : Time/Date, Alarm, MD & Exact search (accurate to second), Smart search Backup Mode : USB Device/Network Playback : Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom Max User Account : 128 users Record Interval : 1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec Ethernet : 2 RJ-45 ports Interface Ports : 2 USB (1USB 3.0), 1 RS485, 1 RS232 (3 Years Warranty) annual comprehensive maintenance contract for NVR system complete as per terms and conditions. Job includes 1) quarterly servicing 2) on call repair 3) replacement of all spares within 24 hours 4) sending		02	Each	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	standby manpower for VIP movement.				
46	SITC of Ultrasonic Rodent Repellent System for Server Room application, electronic type, operating on 230V AC supply, designed to deter rodents through ultrasonic frequency emission, complete with power supply, mounting accessories, wiring connections, as required.		1	Number	
47	SITC of Rodent Transducer unit for server room application, ultrasonic type, compatible with central rodent repellent system, suitable for continuous operation on 230V AC supply, complete with mounting accessories, cabling, wiring connections, as required.	 TRANSDUCER	1	Number	
48	SITC of 4-zone water leak detection panel for server room application, microprocessor-based, capable of monitoring four independent detection zones, complete with visual and audible alarm indication, relay output, power supply unit, mounting accessories, cabling, wiring, programming, testing and commissioning as per site conditions and manufacturer guidelines.		1	Number	

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
49	SITC of EN-54 certified 2x 500W Class D, high efficiency amplifier. 70/100V loudspeaker output voltages, galvanically separated, 4 automatic selectable audio inputs on RJ45, local input. THD $\leq 1\%$. Frequency response, ref. 1 kHz, rated load, -3 dB: 50 Hz to 25 kHz. Signal-to-noise ratio (A-weighted) > 104 dB, Output noise (A-weighted) < -62 dBu, Crosstalk, ref. 1 kHz < -85 dB. Audio input level limiter, RMS output power limiter, high temperature, DC, short circuit, mains under voltage protection, DC supply under voltage protection, inrush current limiter, ground fault Make and Model: - Equivalent to Bosch PVA-2P500		1	Each	

Plumbing Work

Sr No.	Product Description	Product Image	Qty	Unit	RATE PER UNIT EXCLUDING GST
1	Providing and fixing superior type Belgium mirror with 16mm dia. nickel plated towel rod etc. With all necessary supports:				
	1000 x 1000 mm		65	Number	
	1500 x 1000 mm		8	Number	
2	Supplying and erecting of Electric Hand Drier exposed type AC 240 V (High Speed air) with including necessary accessories for fixing the same with cut-outs, chipping , screws, for recessing & grouting complete to be erected as required at site & as per guideline, satisfaction of Engineer-in-charge and site condition etc. complete. Optima Hand Dryers Sensor Operated Optimum Hand Dryers. Material : AISI 304 Stainless Steel Finish : Satin etc. complete Make- Jaguar or equivalent.		25	Number	

Sr No.	Product Description	Product Image	Qty	Unit	RATE PER UNIT EXCLUDING GST
3	Supplying and erecting of Paper Towel Dispenser including necessary fixing the same with cut-outs, chipping , screws, for recessing & grouting complete to be erected as required at site & as per guideline, satisfaction of Engineer-in-charge and site condition etc. complete Wall Mounted Paper towel dispensers towels with C/Z folds. Capacity: 400-600 C/Z towels, material: AISI 304 stainless steel, finish: satin etc. complete MAKE — JAGUAR or equivalent		25	Number	
4	Supplying and erecting of soap dispenser with sensor type including making the necessary complete as directed .Push Button Soap Dispensers, with C.P.fixed to wooden plugs with CP screws,brackets,including necessary fixing the same with cut-outs, chipping for recessing & grouting complete to be erected as required at site & as per guideline, satisfaction of Engineer-in-charge and site condition etc. complete Capacity : .8L, Material : ABS, Finish : white/smoked Model No. SDR-WHT-DJ0010F Make : Jaguar or equivalent		25	Number	

Sr No.	Product Description	Product Image	Qty	Unit	RATE PER UNIT EXCLUDING GST
5	Providing, fixing, testing and commissioning of solar hot water composite piping - PE-RT/Al/PE-RT and PE-Xc/Al/PE-Xc dimensionally stable aluminium-reinforced pipe with white PE-RT protective coat with required fittings of H/TH/U profile with O-ring seals in fittings. Plastic pipe system certified in accordance with DVGW regulation W 534 complete with Brass Press fittings with SC-Contur such as sockets, bends, elbows, tees, reducers, unions, manifold clamps/structural steel supports, hangers etc.necessary adapters for PE-RT/Al/PE-RT to GI/copper/SS and PEX top CP fittings, jointing, sundries, cutting holes in walls & making good complete (internal work) or use for external work with proper insulation when exposed to UV light as directed by Engineer-in-charge etc. complete 15NB		26	Running metre	
5a	Providing, supplying, installing, testing, and commissioning of Brass Body Die-Cast Port Manifold with Individual Isolation Valves, complete with inlet/outlet connections, mounting brackets, cabinet, supports, accessories, pressure testing, and commissioning, as per approved drawings and to the satisfaction of the Engineer-in-Charge etc complete. The manifold shall be suitable for potable hot and cold water distribution systems.				
	2 Port		8	Number	

Sr No.	Product Description	Product Image	Qty	Unit	RATE PER UNIT EXCLUDING GST
	3 Port		8	Number	
	4 Port		10	Number	
6	Supply, Installation, testing and commissioning of Thermal insulation for solar/Hot Water Piping, the material shall be Closed Cell Elastomeric Nitrile Rubber (NBR) laminated with 7 mils/200 GSM Glass Cloth. The thermal conductivity of insulation material shall not exceed 0.035 W/(m.K) at mean temperature of 0 degree C as per EN 12667. The insulation material shall be fire rated Class O as per BS 476 Part 6:1989 for fire propagation test and Class 1 as per BS 476 Part 7, 1987 for surface spread of flame. Density of insulation material shall be between 40 to 55 Kg/m³. The Insulation material shall be Moisture Diffusion Resistance Factor or 'μ' value of insulation material shall be minimum 7,000 without any external barrier as per EN 12086. Adhesives to be GRIHA/IGBC compliant. Installation should be as per manufacturers SOP as directed by Engineer-in-charge etc. complete. 15 NB		26	Running metre	
7	Supply & erecting 32 NB Ball Valve including necessary supporting fittings/ Accessories Features: Screwed type 2pc & 3pc design. Threads as per BSPT / NPT or any other standard can be provided. Can be installed upto 200 degrees centigrade temperature & 35 bar pressure as directed by Engineer-in-charge etc. complete.		87	Number	

Sr No.	Product Description	Product Image	Qty	Unit	RATE PER UNIT EXCLUDING GST
8	Supply & erecting 25 NB Ball valve including necessary supporting fittings/ Accessories Features: 25mm in Screwed type 2pc & 3pc design. Threads as per BSPT / NPT or any other standard can be provided. Can be installed upto 200 degrees centigrade temperature & 35 bar pressure as directed by Engineer-in-charge etc. complete.		95	Number	
9	Supply & erecting 15 NB Ball valve including necessary supporting fittings/ Accessories Features: 15mm in Screwed type 2pc & 3pc design. Threads as per BSPT / NPT or any other standard can be provided. Can be installed upto 200 degrees centigrade temperature & 35 bar pressure as directed by Engineer-in-charge etc. complete.		40	Number	
10	Supply & erecting 15 NB Air vent valve as directed by Engineer-in-charge etc. complete.		16	Number	
11	Supplying and erecting Pressure regulating valve range 4 bar to 1 bar with connecting thread piece, accessories and manifold complete as directed by Engineer-in-charge etc. complete.				

Sr No.	Product Description	Product Image	Qty	Unit	RATE PER UNIT EXCLUDING GST
11-a	32 NB		17	Number	
11-b	25 NB		17	Number	
12	Supplying and erecting 25 mm dia cast iron double flange non return valve(NRV)complete with PN16 pressure rating as directed by Engineer-in-charge etc. complete. 25 NB		10	Number	
13	Supplying and erecting 100 mm dia. pressure gauge , 0-300 PSI or 0-14 kg per cm square fitted with 12/15 mm dia. pad cock valve, erected with provided G.I. pipe, elbow as directed by Engineer-in-charge etc. complete.		32	Each	
14	Supplying and erecting Float Valve ball socket and pinion type with PE ball, brass body valve suitable for 8 bar pressure float length adjustable stem 300 - 450 mm as directed by Engineer-in-charge etc. complete.		16	each	

Sr No.	Product Description	Product Image	Qty	Unit	RATE PER UNIT EXCLUDING GST
15	Supply erecting of counter type mechanical train geared/ Propeller turbine type having dia 32 NB Water Meter as directed by Engineer-in-charge etc. complete.		7	Number	
16	Supplying and erecting 32mm Water Hammer Arrester, orifice aperture type MOC : SS/Brass suitable for 8 bar to 15 bar as directed by Engineer-in-charge etc. complete.		30	Number	
17	Supplying and erecting Level Sensor inductive type 2 changeover contacts, IP 65 rod length 3 mtr SS 10 NB set for LL - L - H- HH 4 positions, digital output as level switch suitable for 230V AC as directed by Engineer-in-charge etc. complete.		14	Number	
18	Supplying and erecting ultra violet water purifier with filtration for safe drinking water consisting of UV germicidal tube of 8W capacity, choke made of copper wire, two indicator lamps, dual function cartridge with output of purified water 1 liter/min with activated carbon filter , single phase A.C. supply with UV fail & filter change indication system as directed by Engineer-in-charge etc. complete.		14	Number	
19	Providing and fixing Multi floor trap including PVC grating ,bend, connecting piece of UPVC pipe up to the outside face of wall ,making the good damaged surface and testing as directed by Engineer-in-charge etc. complete.		54	Number	

Sr No.	Product Description	Product Image	Qty	Unit	RATE PER UNIT EXCLUDING GST
20	Providing , laying and fixing ,jointing Eco- drain 63 mm SN 8 Nu- Drain Upvc pipes or of equivalent make, manufacture as per EN 13476 or equivalent as per I.S.15328 with fittings such a bends, tees, coupler, etc, jointing with rubber lubricant including necessary excavation, trench refilling with selective excavated material as directed by Engineer-in-charge etc. complete.		319	Running metre	
21	Providing , laying and fixing ,jointing Eco- drain 75 mm SN 8 Nu- Drain Upvc pipes or of equivalent make, manufacture as per EN 13476 or equivalent as per I.S.15328 with fittings such a bends, tees, coupler, etc, jointing with rubber lubricant including necessary excavation, trench refilling with selective excavated material as directed by Engineer-in-charge etc. complete.		778	Running metre	

Light and Sound Show Work

Sr. No.	Product descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
1	Supply, installation, testing & commissioning of production pc with intel i7 4.80 ghz processor with 32gb ram ddr4 3200mhz, with minimum 2tb m2 ssd drive, 16gb graphic card process. The pc should have a flat panel led monitor with hdmi or equivalent display		1	Number	

Sr. No.	Product descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	port with keyboard mouse.				
2	Designing , supplying, installation , testing and commissioning of multi-display software, display server, production server for creating spectacular shows ,compose and manage all the different media elements in show — video, still images, animations, graphics, live feeds, sound — and then play it back on displays. Perfectly synchronized, high resolution and right-on-cue. Supports uncompressed playback, unlimited display devices, 3d mapping / facade projection		1	Number	
3	Development & deployment of abstract / animation content. Designing of 3d / 2d animations including over all rendering and mapping of the crafted display.		900	Second	
4	Supply of high quality rgbw led projector light for creating the special effect lighting pattern in air/surface of make la martini, kenson solace, strulide, roscos professional, kreative krafterz. Max projection distance : 20-50 mtr, projection effect : switch control image rotate or static image. Of approved make / solution provider la martini, kenson solace, strulide, kreative krafterz, lightrix environ. Manufacturers/solution provider's authorization certificate shall be submitted along with tender or the bid will be outright rejected.		15	Number	
5	Supply of high quality customised vdo light, protection rating : ip65, max power : 15 w, beam angle & cct : customised & programmed, body : extruded aluminium/gi/silicon jacketed, width : 16-50 mm, diffuser : polycarbonate/glass/acrylic, transparency: milky/frosted/ transparent white. Cnc cutting to be included if required at site. Base plate to be provided at no additional cost if it is used as pole. Of approved make/solution provider la martini, kenson solace, strulide, roscos professional, kenson solace, kreative krafterz. Manufacturers/solution provider's authorization certificate shall be submitted along with tender or the bid will be outright rejected.		3,301	Running Feet	
6	Designing, supply, installation and commissioning of a solution for multi show equipment unit having separate functionality i.e. (i) during show & (ii) for public attraction.		9	Number	

Sr. No.	Product descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	Consisting of following functions a. Moving head 920 watt, with rotating/indexing prisms, color mixing & independently variable 0-100%, minimum 6 color filters plus open color wheel b. Gobo projector : minimum 6 gobos plus open, wheel rotation, gobo rotation, indexing and shake c. Led cmy wash light 680 watt having minimum 13.5 lakh peak candela d. Strobe machine 980 watt with electronic shutter to give strobe effect, pulse effects, instant open and blackout e. Dsc unit with electronic dimming: 0 - 100, pan, tilt, speed & coarse control, control options: dmx, rdm, art-net, sacn f. Rotatable framing module, >+/-58°, with 4 individually controllable full framing blades with variable angle and position. G. Projector function having output: 41,000 lumens with motorised zoom h. Control panel with backlit lcd display and battery powered operation and forced air cooling system maximum dimension of this customised equipment should not be more than 600 mm high, 600 mm deep & 500 mm wide. Authorisation from any of the 4 solution providers i.e. sacco technologies, la martini, kreative krafterz, strulide shall be submitted at the time of bidding or the bids will be rejected outright.				
7	Supplying, installation, testing and commissioning of 4k projector having following features. Brightness: as per site requirements to achieve 150 lux, 90% brightness uniformity, of make nec / la martini / digital projection along with required equipments		90,000	LUMENS	
8	Supply of projector lens of suitable long throw ratio as per recommendation of the manufacturer		3	Number	
9	Site of smart light weight outdoor projector enclosure suitable for marine environment			Number	

Sr. No.	Product descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	made of aluminum with aluminum welding. Complete with: 1. Build to meet min. Ip64 weatherization standards. 2. Anti-reflecting tempered glass window with 94% transparency provided for an uninterrupted projection. 3. Hydrophobic filter for salt fog filtering. 4. Powerful ac fan for efficient cooling with positive pressure for ultimate projector protection. 5. Fan circulation to automatically start even during day time if inside temperature goes above 35 deg cel. 6. Sensor based humidity and temperature control automation to provides complete climate control inside the enclosure automatically. 7. Enclosure unit to be insulated with non sfibrous, non toxic cross linked polyethylene sheets with min. 19mm thickness 7. Complete unit to be powder coated and insulated for heat protection. 8. Power distribution sockets 16/6 amps and industrial plug 32a.		3		
10	Video transmitter and receiver set max data rate 10.2 gbps, resolution range up to 2560x1600* @ 60 hz or 4k (4096x2160) @ 30 hz, uhd (3840x2160) @ 30 hz, low power consumption		6	Number	
11	Supplying, installation, testing and commissioning of sound system including all speakers / sub / array / player / mixer / control & power cables / adapters / amplifiers / etc whichever is required of make harman / val audio / la martini / bose for large shows / experience centers/ museums / open areas etc		1,600	Watt	
12	Design, creating special mould, manufacturing, supplying and erecting designer frp artwork including steel support with surface treatment and duly coated as per required shade. Thickness, dia, height and wattage shall be determined from design duly approved by engineer in charge and shall be in accordance with prevailing indian standards. Of		400	Kilogram	

Sr. No.	Product descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	approved make/solution provider la martini, kenson solace, strulide, rosco professional, kreative krafterz. Manufacturers/solution provider's authorization certificate shall be submitted along with tender or the bid will be outright rejected.				
13	Sitc of water resistant power junction box, imported, made up of rugged, non-corrosive, high impact ik08, polycarbonate on both front and back portion, non yellowing, ip66, of make (kenson solace spls aboxi, robroy, vynckier) with terminals, connectors that use screw compression to secure the wires, protection against water jets and dust from all directions.		72	Number	
14	Supply of smart dynamic processor with imported enclosure body construction made up of imported, glass fiber reinforced polyester feeder pillar with hinged door - ip55 ik10 - outdoor. Of make safybox spain, kenson solace spls aboxi, kreative krafterz, robroy, vynckier		2	Number	
15	Sitc of 5 core dmx cable comprises twisted pairs with shield support for carrying of data. Featuring five/three pin connector support, these dmx- cable options are suitable to be used with different type of fixtures. Dmx512 cable is used for connecting all light consoles that use dmx 512 standard data transmission. Comprises pairs with a cross-section of 0.34 mm ² and general double screening.the external ultra-flexible sheath provides mobility of use and is very easy to coil of make falcon, belden, kramer, equivalent		500	Running metre	
16	Supply of unique data processing unit, pc online used, controllers can be multi-connected.8-channel output signal (data-independent), applicable for small, medium and large engineering projects and remote transmission. Intelligent id set by controller which is stable and reliable.same content can be shown in more than one screen. Control the led digital tube screen and led pixel light screen those with variety of regular chips. Dmx512 lighting fixture: sw-d, sw-u, ucs512a/b/c0/c4, dmx512ap/sm512, sm16512, standard dmx512 can be integrated.		3	Number	

Sr. No.	Product descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
17	Supply of dmx isolator or splitter provides isolated optical dmx splitter provides 8 outputs from a 1 input and input voltage: ac 110 to 220 v, 50 hz, product features: group 1 & group 8 dmx signal change. Function: signal amplification shaping capabilities extend signal transmission distance. The number of devices to enhance the ability of the data bus access. Led indicators to show the status of the signal going to the fixtures and making cable lay out for multiple fixtures at different locations		46	Number	
18	Supply of dmx signal amplifier provides amplified dmx signal to the additional distance up to additional 500feet, input voltage: ac 110 to 220 v, 50 hz, product features : signal amplification shaping capabilities extend signal transmission distance		5	Number	
19	Supply of ip65 power connectors having 3/4 pole cable connector, chuck type strain relief, current rating 20 a rms continuous, easy and extremely precise locking system "quick lock" high impact materials - long-lasting and reliable		1,026	Number	
20	Supply of ip65 dmx connectors having 3/5 pole cable connector, male/female connector with improved latch, cage type contacts, "solder stop" for easy soldering, and additional ground contact for best contact integrity between chassis and cable connector. More durable housing for maximum reliability		1,026	Number	
21	Programming and synchronisation of all the individual lights with the different modes, colors as per the customised requirements.		4,024	Per channel	
22	Supply of projector lens of suitable size to throw light above 20 m distance		27	Number	
23	Design & creation of single content for image projector		3	Job	
24	Site of other hardwares - servo stabilizer, ups, interlocks, equipment rack, ethernet cable, power cables from feeder pillar, complete as required		1	Lot	
25	Supply and deployment of any kind of information website or app		1	Number	

Sr. No.	Product descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
26	Supply of smart processor rack unit including preloaded software package with one year annual subscription, sped with tov of 120 minutes, enclosed in an imported monobloc chassis with hinged door & lock with key of make safybox spain, kenson solace spls aboxi, kreative krafterz, la martini, vynckier. Box dimension : 600 x 400 mm		3	Number	
27	Supply, installation, testing and commissioning of laser 10w rgb laser of make laser world/la martini/kenson solace/lbt/equivalent		3	Number	
28	Design, supply, installation, testing and commissioning of fb4 standard is a new network hardware , which opens up a new possibility for professional laser show control. Fb4 standard allows you to run a laser show in a complete network setup (using standard cat5 or cat6 cables). Can operate fb4 standard from the pc or in automatic mode. The full-color oled display on fb4 standard control various projector settings (including color, security, geometric correction, etc.) Fb4 standard with quickshow laser control software.		3	Number	
29	Supply of professional software is a laser design software designed for lighting professionals to create the world's highest quality laser shows and effects. Supports all lighting protocols, including dmx, artnet, midi, smpte timecodes, osc and citp (coming soon) it is easier than ever to integrate lasers into any multimedia program or design. It provides you with a complete set of tools, which can create any type of laser display you can imagine, and then provides you with the function of controlling content as needed (through the light console, pc, time code, midi device or combined with other multimedia elements).		1	Number	
30	Supply of customized enclosure for laser projector with pole mounting arrangement ip protection and security		3	Number	
31	Designing , supplying, installation , testing and commissioning of show controller for creating spectacular shows ,compose and manage all the different media elements in show — video, still images, animations, graphics, live feeds, sound — and then play it back on		1	Number	

Sr. No.	Product descriptions	Product Image	Qty	Unit	Rate per Unit (Excludin g GST)
	displays. Perfectly synchronized, high resolution and right-on-cue. Supports uncompressed playback, unlimited display devices				