



Name of work: Construction of Prefab Project Office building , Guest house, Dormitory , Workshop and External Development including all MEP services at GMDC campus, Lakhpat, Kutchh.

PRICE BID

Sr. No.	Item Description	Qty	Unit	Rate	Amount
<b>A</b>	<b>Part-1</b>				
1	Earthwork in excavation by mechanical means (All type of soil, Hard Murrum) for foundation, footings, walls, retaining walls, rafts, trenches, drains, lift pits, underground sumps, tank, septic tanks, soak well, Box cutting etc. including dewatering the sub-soil water from any source and rain water to keep the excavation dry, removal of slush, dressing of sides and ramming of bottoms, planking, shoring & strutting, removal & disposal of surplus excavated material with all lead & lift. including compaction by using mechanical plate compactor / vibro roller, finished to desire levels all as per excavation plan and foundation drawings to get Modified Proctor Density test (MPD) of 95%., work including mechanical transport inclusive of royalty, statutory fees all permissions & any other incidental expenses etc. complete. i) Up to 1.5 Mtr Depth	1063.00	Cu.mt	0.00	0.00
2	Filling available excavated earth in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering. Rate to include cost of compaction to achieve at least 95% Proctor Density of refilled excavated earth.Work shall complete as per the instruction of EIC. work complete including all type of tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc. All complete as per instruction of Architect/EIC.	619.00	Cu.mt	0.00	0.00
3	Earth Filling with murrum or approved quality earth in below flooring, sides of foundation, retaining wall, trenches, lift pits elsewhere directed in layers of not exceeding 150 mm thick including breaking clods, watering, compacting each layer with vibratory compactor and at inaccessible places with wooden/steel rammers to achieve 90-95% proctor density at optimum moisture content, all leads & lifts. Bailing/pumping out of water to keep site dry while back filling ,Cost shall include conveyance of all materials, labor, machinery etc. complete(only good yellow soil/ murrum to be used for filling) Work shall complete as per the instruction of EIC. work complete including all type of tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc. All complete as per instruction of Architect/EIC.	1675.00	Cu.mt	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
4	Filling in plinth with sand under floors including watering ramming, consolidating and dressing complete. work complete including all type of tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc. All complete as per instruction of Architect/EIC.	332.00	Cu.mt	0.00	0.00
5	Providing & laying 230 thk. dry rubble stone packing under floor, foundation, steps, ramps, road & other similar locations, hand set vertically in regular lines, interstices filled in with smaller stone chips including watering & consolidating & finishing to the required levels & lines etc. with the use of 10 ton roller on with mechanical rammer & with manual tampering only at location where mechanical rammer cannot be moved complete as directed. (Binding layer shall be of metal and voids to be filled with sand/murram). All complete as per the instruction of EIC.	134.00	Cu.mt	0.00	0.00
6	Filling in foundation and plinth with brick bats chhara in layers including watering, ramming and consolidating etc completed. work complete including all type of tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc. All complete as per instruction of Architect/EIC.	56.00	Cu.mt	0.00	0.00
7	Providing and laying cement concrete 1:4:8 (1- Cement : 4- coarse sand : 8- hand broken stone aggregates 40 mm nominal size) and curing complete. including mixing laying, vibrating, consolidating, leveling and curing etc. complete with all labours and materials with formwork. The item includes finishing the top surface with trowel.Work complete including all type of tools, tackles, labours, formwork, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc. All complete as per instruction of Architect/EIC. (A) Foundation and Plinth	264.00	Cu.mt	0.00	0.00
8	Providing and laying cement concrete 1:3:6 (1- Cement : 3- coarse sand : 6- hand broken stone aggregates 40 mm nominal size) and curing complete including mixing laying, vibrating, consolidating, leveling and curing etc. complete with all labours and materials with formwork. The item includes finishing the top surface with trowel.Work complete including all type of tools, tackles, labours, formwork, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc. All complete as per instruction of Architect/EIC. (A) Foundation and Plinth	7.00	Cu.mt	0.00	0.00

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Sr. No.	Item Description	Qty	Unit	Rate	Amount
9	Providing and laying cement concrete work 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) nd curing complete including mixing laying, vibrating, consolidating, leveling and curing etc. complete with all labours and materials with formwork. The item includes finishing the top surface with trowel.Work complete including all type of tools, tackles, labours, formwork, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc. All complete as per instruction of Architect/EIC. (A) Foundations, footings, Base or columns and Mass concrete	130.00	Cu.mt	0.00	0.00
10	Providing and laying controlled cement concrete M.250 and curing complete. including mixing laying, vibrating, consolidating, leveling and curing etc. complete with all labours and materials with formwork. The item includes finishing the top surface with trowel, necessary admixtures etc. Work complete including all type of tools, tackles, labours, formwork, safety measures, loading, unloading, transportation, at all floors, all heights, all levels, all leads and lifts etc complete as per instruction of Architect/EIC. (excluding the cost of reinforcement) (A) Foundations, footings, columns, Beam, Slab, Lintel, Chhajja etc.	491.00	Cu.mt	0.00	0.00
11	TMT Bars: Providing, straightening, cutting, bending, binding and laying in position of TMT FE 500/500D grade steel reinforcement confirming to IS 1786 : 1990 or latest code, to correct all shape and size as per detailed drawings, specifications for all RCC work etc, at all levels and all heights with necessary chairs and laps; with correct size PVC cover blocks or approved quality concrete cover blocks of same grade of concrete and binding wire of 18 gauge etc. complete with test certificate of the steel bars from manufactures as well as approved laboratory test certificates directed by Engineer in charge, etc. complete. Rate shall be inclusive of binding wire, cover, lap, chair etc. Work shall complete up to any levels, all floor & as per the instruction of EIC.	53736.00	kg	0.00	0.00
12	Form work: Providing and erecting in position form work shuttering & boxing using steel / plywood / props / bracing / scaffolding / ledges and other shuttering materials of approved quality for concrete elements vertical, horizontal or inclined etc. in all shapes as per drawing including necessary scaffolding, bolts/nuts, fastener nails, wires for keeping in position till concrete is laid and concrete have acquired required strength, removal thereafter, applying shuttering oil, hacking etc. in line, level and plumb, all complete as per specification or as directed. At all levels below ground level and up to highest plinth level for all concrete elements of linear shape, size & direction etc., work shall complete up to any levels, all floor & as per the instruction of EIC.	15.00	Sq.mt	0.00	0.00

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Sr. No.	Item Description	Qty	Unit	Rate	Amount
13	Precast concrete block masonry (including quoin blocks jamb blocks closer etc.) with solid concrete blocks of approved size made of cement concrete 1:3:6 mix (1- Cement : 3 coarse sand: 6- graded stone aggregates of 20 mm and down grade) in foundation and plinth cement mortar 1:6 Including all type of material, labour, tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels, all leads and lifts etc complete as per instruction of Architect/EIC.	509.00	Cu.mt	0.00	0.00
14	Providing and laying Half brick masonry in common burnt clay building bricks having crushing strength not less than 35 Kg./Sq. Cm. in cement mortar 1:4 (1 cement : 4 coarse sand) in superstructure - at all floor levels including proper filling of all masonry joints, curing etc. complete. Work complete including all type of tools, tackles, scaffolding etc complete as per instruction of Architect/EIC.	80.00	Sq.mt	0.00	0.00
15	15 mm thick cement plaster : Providing and laying average 15 mm. thick single coat smooth finishing using steel float (mala finish) plaster in CM 1:4 (1 cement : 4 coarse river sand), on brickwork, RCC work, blocks, sills, soffits, jambs etc. at all floors, all levels, all heights, all shapes and for all sizes with necessary scaffolding, curing, chicken mesh at the junction of masonry & RCC work using screw / dhoba nails, making moulded, grooves, drip moulds, tapak, chemical bonding agent etc., for all lead, lift, height and levels etc., complete as per specification and as directed by the EIC. including all type of material, labour, tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels, all leads and lifts etc complete as per instruction of Architect/EIC.	37.00	Sq.mt	0.00	0.00
16	20 mm thick Sand Faced Plaster: Providing and applying 20mm thick sand faced plaster (Using Wooden Gutka/Float) to all external surfaces at all levels and in any shape, in two coats, 12 mm thick average base coat in cement mortar 1:5 and 8mm thick finish coat in cement mortar 1:2 using fine sand for finish coat, including preparation of surface to uniform texture, staging, double scaffolding, curing, chicken mesh at the junction of masonry & RCC work using screw / dhoba nails, making moulded, grooves, drip moulds, tapak etc., complete as per specification and as directed by the EIC. including all type of material, labour, tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels, all leads and lifts etc complete as per instruction of Architect/EIC.	397.00	Sq.mt	0.00	0.00

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Sr. No.	Item Description	Qty	Unit	Rate	Amount
17	Applying two coats putty of Birla (white cement based) or Asian (acrylic lapy- putty) or equivalent & two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth. including all type of material, labour, tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels, all leads and lifts etc. All complete as per instruction of Architect/EIC.	8170.00	Sq.mt	0.00	0.00
18	Interior paint for wall & Ceiling: wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including throughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth. Including cost of all type of tools, tackles, all labour, materials, transportation, cleaning , at all floor, all level, all depth, all Height, all lead and lift, performance waranty certificate etc. work complete as per the detailed drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.	103.00	Sq.mt	0.00	0.00
19	Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials. etc complete Including cost of all type of tools, tackles, all labour, materials, transportation, cleaning , at all floor, all level, all depth, all Height, all lead and lift, performance waranty certificate etc. work complete as per the detailed drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.	137.00	Sq.mt	0.00	0.00
20	<b>Interior paint for wall &amp; Ceiling</b> : Providing & laying of three coats with Royale luxury Emulsion paint (soft sheen, with teflon paint) of Asian Paint or equivalent approved brand in shades and colour as directed on wall surfaces to give an even shade incl. scaffolding to at any height with all labour and material after thoroughly brushing the surface & making free from mortar dropings and other foreign matter including surface preparation etc.complete. Including cost of all type of tools, tackles, all labour, materials, transportation, cleaning , at all floor, all level, all depth, all Height, all lead and lift , performance waranty certificate etc. work complete as per the detailed drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.	8067.00	Sq.mt	0.00	0.00

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Sr. No.	Item Description	Qty	Unit	Rate	Amount
21	<p><b>Exterior Paint</b> : Providing &amp; Finishing outer walls with Apex ultima luxury exterior emulsion paint in 2 coats paint + 2 coat primer with approved brand &amp; manufacture to give an even and smooth shade of color of approved shade after thoroughly cleaning the walls by water and brushing to remove all dirt and remains of loose materials, up to all level above plinth complete ,scaffolding to any height ,curing etc complete. Including cost of all type of tools, tackles, all labour, materials, transportation, cleaning , at all floor, all level, all depth, all Height, all lead and lift , performance warranty certificate etc. work complete as per the detailed drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.</p>	1695.00	Sq.mt	0.00	0.00
22	<p><b>Exterior Texture Paint (Apex Ultima Allura Torino of Asian Paint code - PRODUCT CODE 5417)</b>: Providing and applying Stone finish Exterior Texture Paint in 2 coats paint + 1 coat primer with approved brand &amp; manufacture to give an even and smooth shade of color of approved shade after thoroughly cleaning the walls by water and brushing to remove all dirt and remains of loose materials, up to all level above plinth complete, scaffolding to any height, curing etc complete. Including cost of all type of tools, tackles, all labour, materials, transportation, cleaning, at all floor, all level, all depth, all Height, all lead and lift, performance warranty certificate etc. work complete as per the detailed drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.</p>	22.00	Sq.mt	0.00	0.00

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Sr. No.	Item Description	Qty	Unit	Rate	Amount
23	<p><b>Anti-Termite System:</b>Providing and laying of permanent piping technology anti-termite treatment before flooring work by installing LLDP (Low linear density polyethylene) tube of 8 mm O.D. &amp; 6.4 mm 1.D. with inbuilt pressure compensation chip every 30 cm interval in the tube, having working pressure of 2 Kg/cm<sup>2</sup> and release rate of 1.9 ltr/hour fixed by P-clips and nails. The LLDP pipe shall be installed at the entire periphery of the building and at internal network of building at a depth of 20 to 200 mm under floor at every 2 to 3 mtr. c/c distance (adjusted as per building layout ) &amp; Ends of loop pass through a PVC elbow of minimum 32 mm ID at junction box of wall and floor level, entering into a steel reinforced grooved flexible pipe of minimum 22 mm ID leading into junction box and the loops shall terminate in junction boxes &amp; test every junction during injecting chemicals for termite control treatment. The anti termite chemical Imidacloprid 30.5% SC mix as per IS-6313 (part III) shall be injected by the pressure pump diluted with water @ 10.5 ml/5 ltr of water at the rate of 2 Kg/sq.cm @ 5 Ltr/SMT. The contractor shall submit approved line plan for piping system and junction boxes dully approved by Engineer-in-Charge with bond of 5 year warranty.(i)Anti Termite chemical injected area (Chemical injecting including labour cost). Including cost of all type of tools, tackles, all labour, materials, scaffolding, safety measures, loading, unloading, transportation, cleaning, at all floor, all level, all depth, all Height, all lead and lift etc. complete as per instruction of Architect/EIC. work complete as per the detailed drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.</p>	2550.00	Sqmt	0.00	0.00
24	<p>Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying :</p> <p>(a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours.</p> <p>(b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours.</p> <p>The rate includes preparation of surface, water proofing compound of Dr. Fixit Pidiproof LW+ or Equevalant, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.</p> <p>Including cost of all type of tools, tackles, all labour, materials, scaffolding, safety measures, loading, unloading, transportation, cleaning, at all floor, all level, all depth, all Height, all lead and lift etc. complete as per instruction of Architect/EIC. work complete as per the detailed drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. The product performance shall carry guarantee for 10 years against any leakage.</p>	117.00	Sqm	0.00	0.00

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Sr. No.	Item Description	Qty	Unit	Rate	Amount
25	Providing and laying polished Kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6- coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. Including cost of all labour, materials, safety measures, loading, unloading, transportation, cleaning, at all floor, all level, all depth, all Height, all lead and lift etc. complete as per instruction of Architect/EIC. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. (A) 25mm thick	755.00	Sqm	0.00	0.00
26	Providing and laying polished kota stone slab 25mm thick in risers of steps,skirting Dedo and pillars laid on 10mm thick cement mortar 1:3 (1-Cement : 3 coarse sand) and jointed with gray cement slury mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. Including cost of all labour, materials, safety measures, loading, unloading, transportation, cleaning, at all floor, all level, all depth, all Height, all lead and lift etc. complete as per instruction of Architect/EIC. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.	44.00	Sqm	0.00	0.00
27	<b>Vitrified Tiles Flooring (Toilet)</b> : Providing and laying Matt finish Vitrified tiles flooring using minimum 10 mm thick tiles of as per approved make list by architect/client, including preparing base for leveling with 20mm thick cement mortar 1:6 (1 cement : 6 coarse sand) OR cement based high polymer modified quick-set tile adhesive (Water based) and jointed with 3mm thick epoxy grouting as per approved make of approved shade and colour in proper line and level as per detailed drawing / instruction and approval by architect. Including cost of all type of tools, tackles, all labour, materials, transportation, cleaning, protection sheet, at all floor, all level, all depth, all Height, all lead and lift, work complete as per the detailed drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. (A) Tile size: 600 mmX 600 mm or as per approved by architect/EIC, Basic rate of tile is Rs. 35/Sqft	55.00	Sq.mt	0.00	0.00
28	<b>Toilet Flooring</b> : "-----Do-----" as per above specification for complete work. (A) Tile size: 800 mmX 1600 mm or as per approved by architect/EIC, Basic rate of tile is Rs.55/Sqft	65.00	Sq.mt	0.00	0.00

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Sr. No.	Item Description	Qty	Unit	Rate	Amount
29	<b>Vitrified Tiles Wall Dado (Toilet and other wall surfaces):</b> Providing and laying Matt finish Vitrified tiles in dado using minimum 10 mm thick tiles as per approved make list by architect /client. fixed in dado on 10 mm th. Cement plaster 1:3 (1 cement: 3 coarse sand) OR cement based high polymer modified quick-set tile adhesive (Water based) All surfaces must be dimensionally stable according to level, cured, undamaged, compact,rigid,resistant, dry and free from any debonding agents tiles fixed by approved tile adhesive and all application shall be done under instruction of manufacturer guideline and specification , and jointed with 3mm thick epoxy grouting as per approved make of approved shade and colour in proper line and level as per detailed drawing / instruction all complete as per approved sample by Architect, drawings and instruction of EIC. Including cost of all type of tools, tackles, all labour, materials, transportation, cleaning , at all floor, all level, all depth, all Height, all lead and lift , work complete as per the detailed drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. (B) Tile size: 600 mmX 1200 mm, Basic rate of tile is Rs. 40/Sqft	157.00	Sq.mt	0.00	0.00
30	<b>Toilet Dado:</b> "-----Do-----" as per above specification for complete work. (B) Tile size: 600 mmX 1200 mm, Basic rate of tile is Rs. 45/Sqft	253.00	Sq.mt	0.00	0.00
31	<b>Vitrified Tile Flooring :</b> Providing and laying Vitrified tiles flooring using minimum 10 mm thick tiles of as per approved make list by architect/client, including preparing base for leveling with 20mm thick cement mortar 1:6 (1 cement : 6 coarse sand ) OR Cement based high polymer modified quick-set tile adhesive (Water based) and jointed with 3mm thick epoxy grouting as per approved make of approved shade and colour in proper line and level as per detailed drawing / instruction and approval by architect. Including cost of all type of tools, tackles, all labour, materials, transportation, cleaning, protection sheet, at all floor, all level, all depth, all Height, all lead and lift , work complete as per the detailed drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. (A) Tile size: 800x1600mm, Basic rate of tile is Rs. 55/Sqft	1272.00	Sq.mt	0.00	0.00
32	<b>Vitrified Tile Flooring :</b> " -----Do-----as per above specification for complete work . (B) Tile size: 1200 x 600 mm Basic rate of tile is Rs. 50/Sqft	299.00	Sq.mt	0.00	0.00

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Sr. No.	Item Description	Qty	Unit	Rate	Amount
33	<p><b>Vitrified Tile Skirting</b> : Providing and laying Vitrified tiles in skirting using minimum 10 mm thick tiles as per approved make list by architect /client fixed in dado on 10 mm th. Cement plaster 1:3 (1 cement: 3 coarse sand) OR Cement based high polymer modified quick-set tile adhesive (Water based) All surfaces must be dimensionally stable according to level, cured, undamaged, compact,rigid,resistant, dry and free from any debonding agents tiles fixed by approved tile adhesive and all application shall be done under instruction of manufacturer guideline and specification , and jointed with 3mm thick epoxy grouting as per approved make of approved shade and colour in proper line and level as per detailed drawing / instruction all complete as per approved sample by Architect, drawings and instruction of EIC. Including cost of all type of tools, tackles, all labour, materials, transportation, cleaning , at all floor, all level, all depth, all Height, all lead and lift, work complete as per the detailed drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. (A) Tile size: 800x1600mm, Basic rate of tile is Rs. 55/Sqft</p>	84.00	Sq.mt	0.00	0.00
34	<p><b>Vitrified Tile Skirting</b> : " -----Do-----as per above specification for complete work . (B) Tile size: 1200 x 600 mm Basic rate of tile is Rs. 50/Sqft</p>	14.00	Sq.mt	0.00	0.00
35	<p><b>Artificial Stone Flooring</b> : Providing &amp; laying approved quality 15mm thick Artificial stone flooring, steps tread, riser of approved shade, in required sizes and shapes, set with cement slurry (minimum 4.4 kg cement/sqm) including 35mm to 70 mm thick (Average thickness 50 mm) cement mortar bedding (thickness of mortar bedding to be decided as per requirement and as directed by EIC or his representative) in 1:6 laid and jointed with white cement and matching pigment including rubbing, re-polishing after fixing to remove any undulation between the joints (if required) with different grades of Emery, refilling of open joints, curing, daily cleaning and mopping, shall be done up to the satisfaction of the EIC. The rate includes machine cut edges of uniform thickness and beveling and mirror polishing of edges. Rate shall inclusive of mock up sample, all materials, loading, unloading, transportation, placing at all floors and for all leads, at all floors, all levels, all heights and all shapes, all accessorie, Scaffolding, protection sheet etc. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. Basic rate of Artificial stone is Rs. 150/ Sqft.</p>	135.00	Sq.mt	0.00	0.00

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36	<p><b>Artificial Stone Basin Counter (for Toilet and handwash area : 600mm width)</b> : Providing &amp; fixing two layers of wash basin counter, first layer using 25mm thick Kotastone of approved shade and second layer using approved shade and sample of Artificial stone, joined together with 1:4 Cement mortar bedding / approved tile adhesive , to true plane &amp; level or to slopes, or close jointed with cement slurry with pigment of matching shade and colour and finishing with the same, including dedo 6", cutting kotah &amp; tile as per required shape &amp; size to fit Wash basin &amp; 4" fascia with moulding, nosing, chamfered front edges, fixing, disposal of debris etc. work completed including mock up sample, all materials, loading, unloading, transportation, placing at all floors and for all leads, at all floors, all levels, all heights and all shapes, all accessorie, Scaffolding, protection sheet etc. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. Basic rate of full body Artificial stone is Rs. 150/ Sqft.</p>	27.00	Rmt	0.00	0.00
37	<p><b>Granite platform for Kitchen: up to 600mm width</b> : Providing &amp; fixing two layers of platform , first layer using 25mm thick Kotastone of approved shade and second layer using approved shade and sample of Mirror finish Granite, joined together with 1:4 Cement mortar bedding / approved tile adhesive , to true plane &amp; level or to slopes, or close jointed with cement slurry with pigment of matching shade and colour and finishing with the same, including dedo 6", cutting kotah &amp; tile as per required shape &amp; size to fit Wash basin/sink &amp; 4" fascia with moulding, nosing, chamfered front edges, fixing, disposal of debris etc. work completed including mock up sample, all materials, loading, unloading, transportation, placing at all floors and for all leads, at all floors, all levels, all heights and all shapes, all accessorie, Scaffolding, protection sheet etc. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. Basic rate of granite is 150/ Sq.ft</p>	33.00	Rmt	0.00	0.00

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38	<b>Granite Basin Counter for Toilet: 600mm width</b> : Providing & fixing two layers of platform , first layer using 25mm thick Kotastone of approved shade and second layer using approved shade and sample of Mirror finish Granite, joined together with 1:4 Cement mortar bedding / approved tile adhesive , to true plane & level or to slopes, or close jointed with cement slurry with pigment of matching shade and colour and finishing with the same, including dedo 6", cutting kotah & tile as per required shape & size to fit Wash basin/sink & 4" fascia with moulding, nosing, chamfered front edges, fixing, disposal of debris etc. work completed including mock up sample, all materials, loading, unloading, transportation, placing at all floors and for all leads, at all floors, all levels, all heights and all shapes, all accessorie, Scaffolding, protection sheet etc. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. Basic rate of granite is 150/ Sq.ft	7.00	Rmt	0.00	0.00
39	Single Leaf Flush Door finish with laminate : Providing and fixing in position 35 mm thick BWP grade single leaf flush doors of approved make and finished with both side 1 mm thick laminate as approved sample. including Hardware system of SS 304 Grade like Hinges, Mortise lock with knob, door closer, door stopper etc. as per approved make & Sample. work complete including all type of hardware, fittings, fixtures as per instruction of Client/ Architect etc. work completed including mock up sample, all materials, loading, unloading, transportation, placing at all floors and for all leads, at all floors, all levels, all heights and all shapes, all accessorie, protection sheet etc. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. Equivalent to VNR Series Laminate. (Note: Door opening area shall be measured for payment. No extra payment shall be paid) Basic rate of VNR Laminate is 45 Sq.ft	75.00	Sq.mt	0.00	0.00
40	Single Leaf Flush Door finish with laminate for toilet : Providing and fixing in position 35 mm thick BWP grade single leaf flush doors of approved make and finished with both side 1 mm thick laminate as approved sample. including Hardware system of SS 304 Grade like Hinges, Mortise lock with knob, door closer, door stopper etc. as per approved make & Sample. work complete including all type of hardware, fittings, fixtures as per instruction of Client/ Architect etc. work completed including mock up sample, all materials, loading, unloading, transportation, placing at all floors and for all leads, at all floors, all levels, all heights and all shapes, all accessorie, protection sheet etc. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. Equivalent to VNR Series Laminate. (Note: Door opening area shall be measured for payment. No extra payment shall be paid) Basic rate of VNR Laminate is 45 Sq.ft	37.00	Sq.mt	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
41	<p>Two track sliding window : Domal section : 27x65 mm series                      Supply &amp; Fixing of Aluminium sliding window with powder coated as per by approved make &amp; sample by architect/EIC.                      Track section: 45 x 45 x 1.5 mm, Shutter section : 27x 65 x 1.4 mm,                      Glass : 5 mm thick reflective toughened glass                      Work including Trolley Wheel (Bearing), EPDM Gasket, Woolen In Shutter, Concealed Lock, Anti Rattling Guide, Lock Guide, handle Antilifting, Shutter Corner Clit, Shutter wing Connector, Interlock EPDM Gasket, Interlock Guide, Anti Capillary Pad, Bush Bottom silicon all side &amp; All Necessary Hardware etc. complete as per detailed drawings, mock sample and specifications.</p>	36.00	Sqm	0.00	0.00
42	<p>Three track sliding window : Domal section : 27x65 mm series                      Supply &amp; Fixing of Aluminium sliding window with powder coated as per by approved make &amp; sample by architect/EIC.                      Track section: 45 x 80x 1.5 mm, Shutter section : 27x 65 x 1.4 mm,                      Glass : 5 mm thick reflective toughened glass of saint gobain or approved make list                      Work including Trolley Wheel (Bearing), EPDM Gasket, Woolen In Shutter, Concealed Lock, Anti Rattling Guide, Lock Guide, handle Antilifting, Shutter Corner Clit, Shutter wing Connector, Interlock EPDM Gasket, Interlock Guide, Anti Capillary Pad, Bush Bottom silicon all side &amp; All Necessary Hardware etc. complete as per detailed drawings, mock sample and specifications.</p>	21.00	Sqm	0.00	0.00
43	<p>Three track sliding window : Two glass shutter +1 Mosquito shutter: Domal section : 27x65 mm series                      Supply &amp; Fixing of Aluminium sliding window with powder coated as per by approved make &amp; sample by architect/EIC.                      Track section: 45 x 80 x 1.5 mm , Shutter section : 27x 65 x 1.4 mm , Mosquito shutter : 27 x 65 x 1.4 mm                      Glass : 5 mm thick reflective toughened glass of saint gobain or approved make list                      Work including Trolley Wheel (Bearing), EPDM Gasket, Woolen In Shutter, Concealed Lock, Anti Rattling Guide, Lock Guide, handle Antilifting, Shutter Corner Clit, Shutter wing Connector, Interlock EPDM Gasket, Interlock Guide, Anti Capillary Pad, Bush Bottom silicon all side &amp; All Necessary Hardware etc. complete as per detailed drawings, mock sample and specifications.</p>	34.00	Sqm	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
44	<p>Four track sliding window : Three glass shutter +1 Mosquito shutter: Domal section : 27x65 mm series                      Supply &amp; Fixing of Aluminium sliding window with powder coated as per by approved make &amp; sample by architect/EIC.                      Track section: 45 x 115 x 1.5 mm , Shutter section : 27x 65 x 1.4 mm , Mosquito shutter : 27 x 65 x 1.4 mm                      Glass : 5 mm thick reflective toughened glass of saint gobain or approved make list                      Work including Trolley Wheel (Bearing), EPDM Gasket, Woolen In Shutter, Concealed Lock, Anti Rattling Guide, Lock Guide, handle Antilifting, Shutter Corner Clit, Shutter wing Connector, Interlock EPDM Gasket, Interlock Guide, Anti Capillary Pad, Bush Bottom silicon all side &amp; All Necessary Hardware etc. complete as per detailed drawings, mock sample and specifications.</p>	66.00	Sqm	0.00	0.00
45	<p>Toilet Ventilation : Providing and fixing standard extruded of alluminium section of size 63 mm x 38.10 mm x 1.2 mm (jindal section : 2434 @ wt. 0.643 kg per mt with powder coated alluminium frame for ventilation with 5 mm thick frosted glass as details &amp; provision of exhaust fan. work completed including mock up sample, all materials, loading, unloading, transportation, placing at all floors and for all leads, at all floors, all levels, all heights and all shapes, all accessorie, protection sheet etc. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.</p>	12.00	Sq.mt	0.00	0.00
46	<p>Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.50 mm all complete. With 12 mm mild steel U beading. Work complete including all type of material, fittings , fixtures, Finish, loading , unloading , transporation, all leads ,accessories, sample mockup, all floor , all levels, all heights , necessary frame work,Scaffolding etc complete as per detailed drawings ,specifications &amp; instruction of Client/EIC.</p>	12.00	Sqm	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
47	<p><b>ACP Cladding (vertical and horizontal surface area):</b> Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including: (a) Structural analysis &amp; design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design. (b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc. (c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material &amp; labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium items The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete , as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places.</p>	309.00	Sqm	0.00	0.00
48	<p><b>EWC -1:</b> Providing and fixing wash down water closet (European type W.C. pan) as per approved make of selection &amp; shade with seat cover, P OR S Trap M.S. or G.I bracket , CP brass hinges and rubber buffers and Jointing the trap with soil pipe in cement mortar : 1:1 (1 cement : 1 fine sand) including cutting and making good the walls and floors where required with all labour and materials. All works to be carried out as per instructions and direction of Engineer-in-charge. Model Equivalent to Jaquar Code - CNSWHT-963UFSM</p>	18.00	Nos	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
49	<b>EWC-2</b> : Providing and fixing wash down water closet (European type W.C. pan) as per approved make of selection & shade with seat cover, P OR S Trap M.S. or G.I bracket , CP brass hinges and rubber buffers and Jointing the trap with soil pipe in cement mortar : 1:1 (1 cement : 1 fine sand) including cutting and making good the walls and floors where required with all labour and materials. All works to be carried out as per instructions and direction of Engineer-in-charge. Model Equivalent to Jaquar Code - LASWHT-91953BIUF SM	2.00	Nos	0.00	0.00
50	<b>Flushing Tank:</b> Providing and fixing Preumatic Flushing tank of as per approved make list . Work complete including all type of finishing. Model Equivalent to Model Equivalent to Jaquar Code - JCS-WHT-2400	20.00	Nos	0.00	0.00
<b>Total Amount</b>					<b>0.00</b>

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
<b>B</b>	<b>Part-2</b>				
51	<b>Flush Plate:</b> Providing and fixing BEVEL FACE PLATE POLISHED CHROME of as per approved make list . Work complete including all type of finishing. Model Equivalent to Model Equivalent to Jaquar Code JCPCHR- 352415	20.00	Nos	0.00	0.00
52	<b>Health faucet:</b> Providing and fixing 12mm dia. Health faucet with 8 mm dia of as per approved make list with flexible pipe of 1.mt. length and holding stands complete. Work complete including all type of finishing. Model Equivalent to Model Equivalent to Jaquar Code ALD-CHR-573	20.00	Nos	0.00	0.00
53	<b>Toilet Papers Holder:</b> Providing and fixing Toilet papers holder of as per approved make list . Work complete including all type of finishing. Model Equivalent to Jaquar Code ACN- CHR-1153N	20.00	Nos	0.00	0.00
54	<b>2-Way Bib Tap with Wall Flange:</b> Providing and fixing 2-Way Bib Tap with Wall Flange of as per approved make list. Work complete including all type of finishing. Model Equivalent to Jaquar Code FLR-CHR-5041N	20.00	Nos	0.00	0.00
55	Wash Basin-1: Providing and fixing Wash Basin including fittings and waste coupling and fixing on wash basin counter by tile adhesive of approved make. Work complete including all type of finishing. Model Equivalent to jaquar code no - CNS-WHT-701 + ALDCHR-705L130	20.00	Nos	0.00	0.00
56	Wash Basin - 2 : Providing and fixing Wash Basin including fittings and waste pipe and fixing on wash basin counter by tile adhesive of approved make. Work complete including all type of finishing. Model Equivalent to jaquar code no - LASWHT-91905 +ALDCHR-705L130	2.00	Nos	0.00	0.00
57	Wash Basin -3 : Providing and fixing Wash Basin including fittings and waste pipe and fixing on wash basin counter by tile adhesive of approved make. Work complete including all type of finishing. Model Equivalent to jaquar code no - CNS-WHT-903+ ALDCHR-705L130	1.00	Nos	0.00	0.00
58	Basin spout - 1: Providing and fixing 15mm dia wall Mounted Basin spout of as per approved make list and work complete including all type of accessories. Model equivalent to jaquar code no OPPCHR-15233NKP M + ALDCHR- 233N	22.00	Nos	0.00	0.00
59	Basin spout - 2 : Providing and fixing 15mm dia wall Mounted Basin spout of as per approved make list and work complete including all type of accessories. Model equivalent to jaquar code no FLPCHR-5441KPM + ALD-CHR-441	1.00	Nos	0.00	0.00
60	Providing and fixing 15mm dia. Angular Cock as per approved make list and work complete including all type of accessories . Model equivalent to jaquar code no OPPCHR- 15053PM	29.00	Nos	0.00	0.00
61	Providing and fixing in position <b>Soap Dispensor</b> as per approved make list and work complete including all type of accessories. Model equivalent to Jaquar code no -ACN-CHR-1135N	21.00	Nos	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
62	Providing and fixing <b>Towel ring</b> of as per approved make of selection or as directed by EIC. Jaquar : ACN- CHR-1121N	25.00	Nos	0.00	0.00
63	Handrayer : Providing and fixing in position of Handdrayer of as per approved make list. Work completed as per the instruction of EIC. Model Equivalent to kohler 5486T-0P (Bardon Touch Less Hand Dryer In White)	4.00	Nos	0.00	0.00
64	Bib Tap (Utility area): Providing and fixing 15mm dia Bib Tap of as per approved make list. Work complete including all type of finishing. Model Equivalent to Jaquar code - FLPCHR-5037PM	2.00	Nos	0.00	0.00
65	<b>Kitchen sink:</b> Providing and fixing Kitchen sink as per approved make including all fitting material including Fixing of with necessary plumbing work as per detail drawing and plumbing work .Material approved by architect/EIC. Model Equivalent to NIRALI GRACE JUMBO 685X535X254	5.00	Nos	0.00	0.00
66	<b>Sink Cock:</b> Providing and fixing 15mm dia. Sink Cock of as per approved make of selection. Model Equivalent to Jaquar code - FLPCHR-5347PM	5.00	Nos	0.00	0.00
67	<b>Overhead shower 1 :</b> Supply, Installation, Testing and Commissioning of Overhead shower with shower arm of Jaquar or equivalent approved make with all necessary fittings material work complete as per the detailed drawing. Rate shall be inclusive of all materials, loading, unloading, all taxes, transportation, placing at all floors and for all leads,etc complete as per detailed drawing & Instruction of Architect/EIC. Model Equivalent to Jaquar code No OHSCHR-1639+ SHACHR-479L600	2.00	Nos	0.00	0.00
68	<b>Overhead shower 2 :</b> Supply, Installation, Testing and Commissioning of Overhead shower with shower arm of Jaquar or equivalent approved make with all necessary fittings material work complete as per the detailed drawing. Rate shall be inclusive of all materials, loading, unloading, all taxes, transportation, placing at all floors and for all leads,etc complete as per detailed drawing & Instruction of Architect/EIC. Model Equivalent to Jaquar code No OHSCHR- 1613 + SHACHR-479L450	8.00	Nos	0.00	0.00
69	<b>Overhead shower 3 :</b> Supply, Installation, Testing and Commissioning of Overhead shower with shower arm of Jaquar or equivalent approved make with all necessary fittings material work complete as per the detailed drawing. Rate shall be inclusive of all materials, loading, unloading, all taxes, transportation, placing at all floors and for all leads,etc complete as per detailed drawing & Instruction of Architect/EIC. Model Equivalent to Jaquar code No - OHSCHR-1989 + SHA-CHR-477	4.00	Nos	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
70	<b>HANDSHOWER</b> : Supply, Installation, Testing and Commissioning of Handshower with necessary accesories of Jaquar or equivalent approved make with all necessary fittings material work complete as per the detailed drawing. Rate shall be inclusive of all materials, loading, unloading, all taxes, transportation, placing at all floors and for all leads,etc complete as per detailed drawing & Instruction of Architect/EIC. Model Equivalent to Jaquar code No HSHCHR- 1655 +SHACHR- 549D8 + SHA-CHR-555	2.00	Nos	0.00	0.00
71	<b>DIVERTER</b> : Supply, Installation, Testing and Commissioning of DIVERTER of Jaquar or equivalent approved make with all necessary fittings material work complete as per the detailed drawing. Rate shall be inclusive of all materials, loading, unloading, all taxes, transportation, placing at all floors and for all leads,etc complete as per detailed drawing & Instruction of Architect/EIC. Model Equivalent to Jaquar code No LAGCHR- 91065NK + ALDCHR-065N	10.00	Nos	0.00	0.00
72	<b>Bottle Trap:</b> Providing and fixing chromium plated Bottle Trap of as per approved make list , with necessary coupling of approved make for wash basin & sink. Work complete including all type of finishing. Model Equivalent to Jaquar ALDCHR 769L300X190	28.00	Nos	0.00	0.00
73	<b>Urinal</b> : Providing and fixing Urinal with presmatic flush valve as per approved make list , with necessary coupling of approved make for wash basin & sink. Work complete including all type of finishing. Model Equivalent to Jaquar code no -URS-WHT-13253O + PRS-CHR-073	6.00	Nos	0.00	0.00
74	<b>Bath spout</b> : Supply, Installation, Testing and Commissioning Bath spout of Jaquar or approved make of selection. Rate shall be inclusive of all materials, loading, unloading, all taxes, transportation, placing at all floors and for all leads,etc complete as per detailed drawing & Instruction of Architect/EIC. Model Equivalent to Jaquar code No SPJCHR-91463 +ALDCHR-065N	10.00	Nos	0.00	0.00
75	<b>Mirror (Others Room):</b> Providing and fixing 6 mm thick mirror of Kohler or as per approved make shall be fixed with SS studs. Provision shall be made for conceal led light work as per detailed drawing / instruction of architect complete. Rate shall be inclusive of frosting work as per detail drawing. Model Equivalent to kohler 26052-BLL; KOHLER ESSENTIAL RECTANGLE MIRROR (560mm L x 864mm H)	8.00	Nos	0.00	0.00
76	<b>Mirror (Suite room ):</b> Providing and fixing 6 mm thick mirror of Kohler or as per approved make shall be fixed with SS studs. Provision shall be made for conceal led light work as per detailed drawing / instruction of architect complete. Rate shall be inclusive of frosting work as per detail drawing. Model Equivalent to kohler 22928IN-NA; VITALITY30X40 COLUMN RECT LIGHT MIRROR	2.00	Nos	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
77	<b>Mirror (Common Toilet):</b> Providing and fixing 6 mm thick mirror of Saint Gobain/ Modiguard / Asahi as per approved make shall be fixed with SS studs. Provision shall be made for conceal led light work as per detailed drawing / instruction of architect complete. Rate shall be inclusive of frosting work as per detail drawing.	21.00	Sq.mt	0.00	0.00
78	<b>Shower Cubicles :</b> Supply & Installation of Shower Cubicles with Fittings (Dorma make) or as per as per Architect selection & approved make. Glass to Wall Hinges (90 Deg or 135 Deg) - 2 Nos. Glass to Wall Small Brackets (90 Deg) without Back Plate - 4 Nos. Towel Rod cum Handle Bar (458mm x 205mm x 18mm) - 1 No. Water Disper Seal - 1 No. Magnetic Seal (180 Deg) - 1No. Soft Nose Seal - 1No Support Bar 40mm x 40mm Glass: 8 mm thick Door: 1no Work complete including all type of fittings, fixtures, tools, etc complete as per manufacturer specification and drawing.	9.00	Sqm	0.00	0.00
79	<b>Toilet Cubical :</b> @1000(W) X 1500(D) x 2050(H) mm Supply & Installation of Toilet Cubicles as per as per Architect selection & approved make. 12 mm Compact Grade 1.5 mm thick laminateBoard of the approved shade by Architect . Accessories for cubicles.1. Aluminum “U” Section with SS Exterior grade Finish.2. Aluminum “H” Section with SS Exterior grade Finish.3. Aluminum Top Rail with SS Exterior grade Finish.4. SS Coat Hook ( SS 316 )5. SS Privacy Thumb Turn ( SS 316)6. SS Door Knob ( SS 316)7. SS Hinges ( SS 316)8. SS Adjustable Leg ( SS 316)With Rubber lining and Screw Etc. Work complete including all type of fittings, fixtures, tools, etc complete as per manufacturer specification and drawing.	11.00	Unit	0.00	0.00
80	<b>Urinal Partition :</b> Providing and fixing Urinal partition Size of Width 400 mm x Height 900 mm comprising from 12 mm Compact Grade 1.5 mm thick laminate Board of the approved shade by Architect . Work complete including all type of fittings , hardware , accessories etc complete as per drawing.	5.00	Nos	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
81	<p><b>Collapsible steel shutter:</b> Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer. work completed including mock up sample, all materials, loading, unloading, transportation, placing at all floors and for all leads, at all floors, all levels, all heights and all shapes, all accessorie, protection sheet etc. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.</p>	36.00	Sqm	0.00	0.00
82	<p><b>MS Fabricated Door:</b> Providing Fabrication &amp; erection 3 mm thick M.S. sheet/plate door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angels 40x40x6 mm for diagonal braces. including CNC cutting/Engraving as per reference image given by Architect. The work includig necessary fabrication work, fittings, fixtures, accessories, pivot, door, handle, lock etc complete. finish with Anti corrosive paint with primer as per approved shade by Architect. The scope includes loading, transportation, unloading and delivery and erection site of all fabricated structures, alignment and welding of all structures true to line, level, plumb and dimension. sample mock shall be approved from Architect/EIC. Shop drawing shall be provided by Contractor. work completed including mock up sample, all materials, loading, unloading, transportation, placing at all floors and for all leads, at all floors, all levels, all heights and all shapes, all accessorie, protection sheet etc. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.</p>	3.00	Sq.mt	0.00	0.00
83	<p>Providing and fixing rolling shutters of approved make made of 80 mm wide M.S. laths inter-locked together through their entire length and jointed together at the ends by end locks mounted on specially designed pipe shaft with bracket plates, guide channels and arrangements for inside and outside locking with push-pull operation including the cost of hood cover and spring etc. complete. (B) Shutters having width 3.5 M. and above</p>	19.00	Sq.mt	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
84	Fabricated work: Providing Fabrication & erection of steel structure as per drawings including materials, consisting of plates, rolled steel joists, channels, angles, chequered plates etc and also rectangular / square hollow steel sections, insert plates in RCC/Brickwork, anchor bolts for steel structure, sleeve pipes, anchor nuts, washers etc, straightening of raw steel if required, fabrication of steel structures with primer and minimum two coats of anti corrosive matt finish paint including preparation of supplementary sketches and detailed bill of materials supply of bolts, nuts, washers, shims, packs, putty, gas, welding electrodes and all other consumables, as required and carrying out surface preparation all complete. The scope includes loading, transportation ,unloading and delivery and erection site of all fabricated structures,, alignment and welding of all structures true to line, level, plumb and dimension, including rectification if any, splicing, site assembly all as per technical specifications and drawings, ,all complete. Contactor shall provide stability certificate for the fabrication structure. Rate inclusive of shop drawing. work completed including mock up sample, all materials, loading, unloading, transportation, placing at all floors and for all leads, at all floors, all levels, all heights and all shapes, all accessorie, protection sheet etc. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.	6970.00	KG	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
85	<p><b>Roofing work</b> : Design , Supply, Installation , Testing &amp; Commissioning of LGSF Pre Fab Building developed with highest structural stability, water proof, weather proof, termite proof, fire resistant materials &amp; capable of self-stability &amp; withstanding adverse weather &amp; storm conditions up to 170 KMPH, for the intended service.</p> <p>The roof shall be made of 0.4 mm thick Galvanized corrugated roof sheet with embossed Rib.13 mm XPLE Insulation consider between top and bottom roofing sheet.</p> <p>The single /double slant roof with rainwater drain gutter and 02 nos. water drain pipe 2 Inch (PVC pipe) up to the bottom will be required. Roof Truss and bracing frame is to be made of Galvanized (IS 277:2018) 1.2mm thick cold form C section as per design in size of 75mm web x 40 mm flange x 10 mm lip both side with 50 mm embossed Rib with adequately pressed reinforced roof sections of suitable thickness from inside for additional strength. The roof will be able to comfortably resist loads up to 20lbs/ Sq. Ft.Light Gauge Steel Framing structure system manufactured out of Galvanized (IS 277:2018) 1.2mm thick cold form C section as per design in size of 75mm web x 40 mm flange x 10 mm lip both side with 50 mm embossed Rib comprising 550Mpa yield strength. whereas top and bottom made of same roll formed material 75mm web x 30 mm flange with 50 mm embossed Rib. The framing structure shall be factory finished in required length max duly punched to fix screws as per approved drawings and site requirements. The framing shall have provision of (30x60 capsule) hole at standard spacing to accommodate electrical/plumbing conduits to be fixed horizontally/vertically in the system. The Structure will have provision of Framed Openings to fix Doors/Windows/Ventilation. The structure shall be fixed vertically at minimum 400 mm c/c fixed and fixed by means of Galvanized steel fasteners. The main vertical framing structure shall be fixed to plinth tie beam (by others) using steel anchor fasteners 100-130 mm long.Framing structure: The framing structure shall welded or riveted at factory in considering transportable size. This framing shall have provision for 30x60 capsule hole to accommodate electrical and plumbing conduits. The Structure will have provision of Framed Openings to fix Doors/Windows/Ventilation. The vertical stud shall be fixed vertically at minimum 400 mm c/c and welded to bottom and top C roll formed channel. The main vertical framing structure shall be fixed to plinth tie beam (by others) using steel anchor fasteners 100-130 mm long. Necessary Neoprene Rubber shall be laid over the civil plinth beam prior to installation of Steel Frame. All Corner is to be strengthen by means of Wind bracing to provide entire building additional structural stability during heavy wind load. Door and window cut out shell be strengthen with extra cross bracing of suitable size and thickness. Additional Support by means of framing is to be provided for heavy wall mounting units like TV, Geyser, Furniture etc. as per drawing. The bidder shall submit structure stability certificate for the work. Including cost of all type of tools, tackles, scaffolding, all labour, materials, transportation, finishing, all type of fabrication, accessories, silicon sealent. work complete for at all floor, all level, all depth, all Height, all lead and lift etc. work complete as per the Detailed specification, shop drawing, approved sample, instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. Actual Roof area shall be measured for payment</p>	3152.00	Sqm	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
86	<p><b>Exterior &amp; Internal wall:</b> Design , Supply, Installation , Testing &amp; Commissioning of LGSF Pre Fab Building developed with highest structural stability, water proof, weather proof, termite proof, fire resistant materials &amp; capable of self-stability &amp; withstanding adverse weather &amp; storm conditions up to 170 KMPH, for the intended service.</p> <p><b>Wall</b> 6mm CFB + 150GSM fibre mash +6mm CFB sandwich panel is to be screwed with vertical stud member. Before installation thin PVC Moisture barrier is to be fixed to avoid any moisture penetration in building. All Vertical Joint is to be 3 to 4 mm Gap which is to be filled and seal with paintable PU sealant. Rock wool : The side walls &amp; end walls will be insulated with 50mm thick mineral wool (rock wool) of confirming to IS: 8183. The insulation material will have density of 48 kg/cu.mt. This insulation will be Rat Proof, Fire Retardant, Non- Hygroscopic and Vermin Proof besides having excellent thermal efficiency and acoustic performance.Inner Panelling : The interior will be aesthetically finished so as to give custom built appearance with extremely high quality workmanship. All vertically and horizontal corners would be neatly and smoothly finished with putty and primer and painted with acrylic paint. The inner panelling of side walls shall be of 6 mm thick cement fibre Sheet which is to be again covered with 12 mm Gypsum board. All vertical and horizontal corners and boards joints shall be neatly finished.Light Gauge Steel Framing structure system manufactured out of Galvanized (IS 277:2018) 1.2mm thick cold form C section as per design in size of 75mm web x 40 mm flange x 10 mm lip both side with 50 mm embossed Rib comprising 550Mpa yield strength. where as top and bottom made of same role formed material 75mm web x 30 mm flange with 50 mm embossed Rib. The framing structure shall be factory finished in required length max duly punched to fix screws as per approved drawings and site requirements. The framing shall have provision of (30x60 capsule) hole at standard spacing to accommodate electrical/plumbing conduits to be fixed horizontally/vertically in the system. The Structure will have provision of Framed Openings to fix Doors/Windows/Ventilation. The structure shall be fixed vertically at minimum 400 mm c/c fixed and fixed by means of Galvanized steel fasteners. The main vertical framing structure shall be fixed to plinth tie beam (by others) using steel anchor fasteners 100-130 mm long.Framing structure : The framing structure shall welded or riveted at factory in considering transportable size. This framing shall have provision for 30x60 capsule hole to accommodate electrical and plumbing conduits. The Structure will have provision of Framed Openings to fix Doors/Windows/Ventilation. The vertical stud shall be fixed vertically at minimum 400 mm c/c and welded to bottom and top C roll formed channel. The main vertical framing structure shall be fixed to plinth tie beam (by others) using steel anchor fasteners 100-130 mm long. Necessary Neoprene Rubber shall be laid over the civil plinth beam prior to installation of Steel Frame. All Corner is to be strengthen by means of Wind bracing to provide entire building additional structural stability during heavy wind load. Door and window cut out shell be strengthen with extra cross bracing of suitable size and thickness. Additional Support by means of framing is to be provided for heavy wall mounting units like TV, Geyser, Furniture etc. as per drawing. The bidder shall submit structure stability certificate for the work.Including cost of all type of tools, tackles, scaffolding, all labour, materials, transportation, Finishing, all type of fabrication, accessories, silicon sealent. work complete for at all floor, all level, all depth, all Height, all lead and lift etc. work complete as per the Detailed specification, shop drawing, approved sample, instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.</p>	2347.00	Sqm	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
87	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth. work completed including mock up sample, all materials, loading, unloading, transportation, placing at all floors and for all leads, at all floors, all levels, all heights and all shapes, all accessorie, protectiion sheet etc. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.	592.00	Sqm	0.00	0.00
88	Providing and laying cement concrete flooring 1:2:4 (1-cement : 2-coarse sand : 4-graded stone aggregate 20mm nominal size) laid in one layer and finished with a floating coat of neat cement. (B) 50mm thick. work completed including all materials, loading, unloading, transportation, placing at all floors and for all leads, at all floors, all levels, all heights and all shapes, all accessorie, protectiion sheet etc. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.	282.00	Sqm	0.00	0.00
89	PLUMBING work: Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [A] 15 mm.	185.00	Rmt	0.00	0.00
90	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [B] 20 mm.	100.00	Rmt	0.00	0.00
91	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [C] 25 mm.	105.00	Rmt	0.00	0.00
92	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [D] 32mm.	70.00	Rmt	0.00	0.00
93	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [E] 40mm.	90.00	Rmt	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
94	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [F] 50mm.	100.00	Rmt	0.00	0.00
95	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [F] 65mm.	500.00	Rmt	0.00	0.00
96	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [F] 80mm.	500.00	Rmt	0.00	0.00
97	Supplying & erecting resin bonded flap rock wool / glass wool with conductivity valve 1.67 sq.mm per watt & to with stand the temp. to 100 degree centigrade C thickness 50mm with G I pipe of following size dia "B" class as per IS:1239. The plastic sheet to be used as covering of glass wool. Al. cladding besides other materials like chicken mesh, 26 G Al. Sheet shall be used for cladding the insulation pipe. (A) for 20 mm dia pipe	10.00	Mtr	0.00	0.00
98	Supplying & erecting resin bonded flap rock wool / glass wool with conductivity valve 1.67 sq.mm per watt & to with stand the temp. to 100 degree centigrade C thickness 50mm with G I pipe of following size dia "B" class as per IS:1239. The plastic sheet to be used as covering of glass wool. Al. cladding besides other materials like chicken mesh, 26 G Al. Sheet shall be used for cladding the insulation pipe. (B) For 25 mm dia pipe	10.00	Mtr	0.00	0.00
99	Supplying and erecting horizontal / vertical mounting type storage water heater with copper container housed in M.S./S.S./ABS body insulated with glass wool/puff complete with heating elements,adjustable thermostats 300C to 850C, indicating lamp, safety valve, fusible plug, etc.complete erected with coach bolts, nuts. washers & cementation (C)25 Ltr. with 2 KW. heating element . Premium Category	10.00	Ea	0.00	0.00
100	Supplying and erecting horizontal / vertical mounting type storage water heater with copper container housed in M.S./S.S./ABS body insulated with glass wool/puff complete with heating elements,adjustable thermostats 300C to 850C, indicating lamp, safety valve, fusible plug, etc.complete erected with coach bolts, nuts. washers & cementation (D)35 ltr.with 1.5/2 KW. heating element . Premium Category	1.00	Ea	0.00	0.00
	<b>Total Amount</b>				<b>0.00</b>

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
<b>C</b>	<b>Part-3</b>				
101	Supplying and erecting chromium plated heavy duty brass valve for inlet pipe of water heater 15 mm dia.)	11.00	Nos.	0.00	0.00
102	Supplying and erecting 15mm brass non-return valve for inlet pipe of storage water heater.	11.00	Nos.	0.00	0.00
103	Supplying and erecting dead pressure releasing valve for storage type water heater with necessary materials.	11.00	Nos.	0.00	0.00
104	Providing & erecting fibre reinforced PVC flexible pipe with brass locking nuts & washers & clips at both ends complete erected without leakage	16.00	RMT.	0.00	0.00
105	Providing and fixing Gun metal check or non-return fullway wheel valve.(C) 25mm dia.	21.00	Each	0.00	0.00
106	Providing and fixing Gun metal check or non-return fullway wheel valve.(D) 32mm dia.	1.00	Each	0.00	0.00
107	Providing and fixing Gun metal check or non-return fullway wheel valve.(E) 40mm dia.	13.00	Each	0.00	0.00
108	Providing and fixing Gun metal check or non-return fullway wheel valve.(E) 50mm dia.	1.00	Each	0.00	0.00
109	Supply, installation, testing and commissioning of gunmetal, male or female threaded isolation control valve (Butterfly Valve), confirming to latest IS , PN 10.0, with necessary specials, union, nipples etc., to complete the job. (Audco/Lehry/ R.B./zoloto). 65mm dia.	6.00	Each	0.00	0.00
110	Supply, installation, testing and commissioning of gunmetal, male or female threaded isolation control valve (Butterfly Valve), confirming to latest IS , PN 10.0, with necessary specials, union, nipples etc., to complete the job. (Audco/Lehry/ R.B./zoloto). 80mm dia.	8.00	Each	0.00	0.00
111	Supplying, fitting and fixing Non return valve (Spring type Dual plate type) as per API 594/598 , tested to 10 kg/sq.cm etc. complete. (// Audco/Lehry/ R.B./ Spirex). 40mm dia.	2.00	Each	0.00	0.00
112	Supplying, fitting and fixing Non return valve (Spring type Dual plate type) as per API 594/598 , tested to 10 kg/sq.cm etc. complete. (// Audco/Lehry/ R.B./ Spirex). 50mm dia.	2.00	Each	0.00	0.00
113	Supplying, fitting and fixing Non return valve (Spring type Dual plate type) as per API 594/598 , tested to 10 kg/sq.cm etc. complete. (// Audco/Lehry/ R.B./ Spirex). 65mm dia.	2.00	Each	0.00	0.00
114	Supplying, fitting and fixing Non return valve (Spring type Dual plate type) as per API 594/598 , tested to 10 kg/sq.cm etc. complete. (// Audco/Lehry/ R.B./ Spirex). 80mm dia.	8.00	Each	0.00	0.00
115	Supply, Installation, Testing and Commissioning of 25 mm dia. air release valve. (Audco/Lehry/ R.B./ Spirex)	3.00	Each	0.00	0.00
116	Providing and fixing mosquito proof stainless steel overflow grating for tanks. (Audco/ Lehry/ R.B./ Spirex) 100mm dia.	3.00	Each	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
117	<b>Valve Chambers:</b> Construction of valve chamber brick masonry 230 mm thick wall , inside with 75 second class designation brick work in cement mortar 1:5 (1 cement :5 fine sand) for valve, FRP surface heavy duty chamber cover(600MM X 600MM) with Frame, RCC top slab for valve with chained lid and Rcc top slab 1:2:4 mix (1 cement:2 coarse sand : 4 graded stone aggregate 20mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement :5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement :3 coarse sand) 12mm thick finished with a floating coat of neat cement complete as per standard design: (Valve Chamber). Size of 0.75 m x 0.75 m and upto 1.0 m deep for Isolation Valve	6.00	Each	0.00	0.00
118	Supply, installation, Testing and Commissioning of 25mm Nominal diameter Garden Hydrant with gun metal Ball Valve, GI pipe for Flexible hose Connection Provision and all required accessories etc.	20.00	Each	0.00	0.00
119	Providing & erecting water cooler having storage capacity 150 Ltr. & cooling capacity 150 Ltr.per hour @ an ambient temp of 450 C. The outlet temp. of the water should drop by 150C within a hour, The water cooler should be comprising of hermetically sealed compressor, fan motor, condensing unit, water tank surrounded by evaporating, coil, thermostats, relay etc.complete with necessary inlet & outlet connection. The body of water cooler will be made from Stainless Steel.	3.00	Each	0.00	0.00
120	Supplying & erecting 5 stage single reverse osmosis water purification system with M.S. powder coated frame, prefilter housing with 'O' ring presediment filter GAC filter, carbon filter suitable buster DC pump capacity 80 psi, mention with 40 Osg inline type post carbon filter auto low & high pressure switches with following size of storage tank & LPH capacity & erected as directed with one year comprehensive maintenance guarantee. [C] 50 Ltr / Hr with 250 psi 2 nos booster pump	3.00	Each	0.00	0.00
121	Providing and fixing to wall ceiling and floor 10.0 Kg. F/Cm2 working pressure poluthene pipes of the following outside Dia. Low density, complete with special falnge compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(D) 40mm	120.00	Rmt	0.00	0.00
122	Providing and fixing to wall ceiling and floor 10.0 Kg. F/Cm2 working pressure poluthene pipes of the following outside Dia. Low density, complete with special falnge compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(E) 50mm	40.00	Rmt	0.00	0.00
123	Providing and fixing to wall ceiling and floor 10.0 Kg. F/Cm2 working pressure poluthene pipes of the following outside Dia. Low density, complete with special falnge compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(G)110 mm	200.00	Rmt	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
124	Providing and fixing to wall ceiling and floor 10.0 Kg. F/Cm2 working pressure polythene pipes of the following outside Dia. Low density, complete with special falnge compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(F) 75mm	270.00	Rmt	0.00	0.00
125	Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 100 mm diameter with jali of the following nominal diameter of self cleansing design with C.I scread down or hinged grating including the cost of cutting and making good the walls.	4.00	each	0.00	0.00
126	Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 75 mm diameter with jali of the following nominal diameter of self cleansing design with C.I scread down or hinged grating including the cost of cutting and making good the walls.	64.00	each	0.00	0.00
127	Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight.(i) Square mouth traps. (A) 100mm x 100mm size P type. (upto 10 ton)	23.00	Each	0.00	0.00
128	Providing, laying and jointing in true line and level 110 diametre U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 110 mm diametre x 149 mm length x 145 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	10.00	Rmt	0.00	0.00
129	Providing, laying and jointing in true line and level 160 diametre U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 160 mm diametre x 210 mm length x 196 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	230.00	Rmt	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
130	Providing, laying and jointing in true line and level 200 diametre U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 160 mm diametre x 210 mm length x 196 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	200.00	Rmt	0.00	0.00
131	Providing, laying and jointing in true line and level 250 diametre U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 160 mm diametre x 210 mm length x 196 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	200.00	Rmt	0.00	0.00
132	Constructing Manhole with R.C.C. top slab in 1:2:4 mix (1-cement :2-coarse sand : 4-graded stone aggregate 20mm nominal size) foundation concrete 1:3:6 mix (1-cement : 3- coarse sand :6-Brick bats 40 + 50mm size) inside plastering 15mm thick with Cement Mortar 1:5 (1-Cement : 5-coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1-Cement :2-Coarse sand :4-stone aggregate 20mm nominal size) finished smooth complete including curing and festing (i) Inside size 900mm x 1200mm and 1.5M. deep including C.I. cover with frame size 560mm diameter total weight of cover and frame to be not less than 128 kgs. (Wt. of cover 64 Kg. and Wt. of frame 64 Kg.)(A) With 230mm thick walls of brick msonry using brick having crushing strength not less than 35Kg. / Sq.cm. in Cement Mortar 1:5 (1- Cement: 5-Coarse sand) (1) A type depth 0.90 Metre for 150mm diameter sewer.	5.00	Each	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
133	Constructing Manhole with R.C.C. top slab in 1:2:4 mix (1-cement :2-coarse sand : 4-graded stone aggregate 20mm nominal size) foundation concrete 1:3:6 mix (1-cement : 3- coarse sand :6-Brick bats 40 + 50mm size) inside plastering 15mm thick with Cement Mortar 1:5 (1-Cement : 5-coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1-Cement :2-Coarse sand :4-stone aggregate 20mm nominal size) finished smooth complete including curing and festing (i) Inside size 900mm x 1200mm and 1.5M. deep including C.I. cover with frame size 560mm diameter total weight of cover and frame to be not less than 128 kgs. (Wt. of cover 64 Kg. and Wt. of frame 64 Kg.)(A) With 230mm thick walls of brick masonry using brick having crushing strength not less than 35Kg. / Sq.cm. in Cement Mortar 1:5 (1- Cement: 5-Coarse sand) (2) B type depth 1.50 Metre for 150mm diameter sewer.	20.00	Each	0.00	0.00
134	Providing and laying Cement concrete 1:5:10 (1-Cement : 5-Fine sand :10-Graded stone aggregate 40mm nominal size) bedding for stoneware pipes of following internal diameters with necessary formwork and curing complete.(B) 150mm dia. (166mm Ave. bed thickness)	630.00	Rmt	0.00	0.00
135	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with briocks having croshing strength not less than 35Kg. Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg. ) (R.C.C. top slabe with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(i) Inside dimensions 455mmx 610mm and 450mm deep for single pipe line.	13.00	Each	0.00	0.00
136	Constructing Brick masonry road gully chamber 500mm x 450mm x 600mm including 500mm x 450mm C.I. horizontal grating wih frame complete.	15.00	No.	0.00	0.00
137	Constructing brick masonry road gully chamber 1100mm x 775mm including 500mm x 450mm (C.I. horizontal grating with frame and vertical grating complete.)	20.00	No.	0.00	0.00
138	Providing, laying and jointing in true line and level 160 diametre U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 160 mm diametre x 210 mm length x 196 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	50.00	Rmt	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
139	Providing, laying and jointing in true line and level 200 diametre U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 160 mm diametre x 210 mm length x 196 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	200.00	Rmt	0.00	0.00
140	Providing, laying and jointing in true line and level 250 diametre U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 160 mm diametre x 210 mm length x 196 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	250.00	Rmt	0.00	0.00
141	Providing and laying Cement concrete 1:5:10 (1-Cement : 5-Fine sand :10-Graded stone aggregate 40mm nominal size) bedding for stoneware pipes of following internal diameters with necessary formwork and curing complete.(B) 150mm dia. (166mm Ave. bed thickness)	500.00	Rmt	0.00	0.00
142	Construction of <b>Percolation Well</b> with all required connections as per detailed design 3mtr dia X 4 mtr liquid depth+ invert Level) for catch basin with FRP Heavy duty manhole cover and overflow connection to the nearest drain.	1.00	Each	0.00	0.00
143	Constructing Grit/ Silt chamber in brick masonry with cement mortar 1:4, waterproof cement plastering 12mm thick for inside and outside using waterproofing compound, CC 1:4:8 bedding with 1:2 smooth finishing inside with chamfering, RCC M-20 slab in M 20 using black trap, san and cement with 150mm thick RCC slab and providing and fixing medium type FRP manhole cover and farm etc. comp.Scope shall also including required gravel, sand etc. complete the job as per details drawing. (Size 2000 x 2000 x 1200mm (liquid depth) +IL.	1.00	Each	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
144	<p>Supply installation, testing and commissioning of domestic water treatment plant comprising of Multigrade sand filter and softner Plant according to input water quality/analysis. softner plant consisting of FRP tank, filter media, resins, brine tank, piping, isolation valves, instruments supports. The scope shall include interconnection piping, valves, instruments, autoback wash arrangement, Brine preparation tank &amp; agitator platform (Make: FRP), 1 nos. Agitator require capacity and Ventury etc. complete the job ..Scope shall also includes training for operation of staff. ( Ion Exchange, Pentair, Tharmax, Power H2o Make ) Inlet Flow Range : 2 CMT/ Hr. Input Water Hardness : - ( as per water test report) Output Water Hardness : &lt; 50 PPM. Considered opeartion Hours 10 Hours.</p> <p>MULTI- GRADE PRESSURE SAND FILTER:                      Quantity : 1 nos.                      M.O.C. : FRP                      Flow Rate : 10cum/hr                      Filtration Rate: 3 cum/sqmt/hr                      Filter Media : Silica, Pables, Gravels And Quartz Sand                      Size : As per Vendor                      Type of Unit : Vertical Cylindrical                      Working Pressure Kg/cm2 : 2.5                      interconnection Piping: CPVC SCH 80                      Accessories &amp; Instruments : 1. Pressure gage : at inlet &amp; outlet</p> <p>WATER SOFTENING UNIT :                      Quantity : 1 nos.                      MOC : FRP                      Flow Rate : 10 cum/hr                      Filtration Rate: As per Vendor                      Size : As per Vendor                      Regeneration : Manual                      Regeneration Media (NaCL) : Saturated Salt Brine                      OBR: As per Vendor ( Total Demand: 100 KLD)                      Salt Preparation Tank Capacity: As per Vendor                      interconnection Piping: CPVC SCH 80                      Accessories &amp; Instruments : 1. Pressure gage : at inlet &amp; outlet</p> <p>BRINE PREPARATION TANK &amp; Agitator Platform                      Material of Construction : MSFRP                      Tank capacity : As per Vendor.                      Agitator Platform : MSFRP                      Agitator and Ventury                      Agitator : To be mounted on MS FRP platform of Brine Tank                      Agitator Motor: As per Vendor                      Agitator Moc : FRP                      Regeneration : Ventury. (As per vendor Design)</p>	1.00	Job	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
145	<p>Design, supplying, installing, testing &amp; commissioning of Capacity:20 KLD MBBR Sewage Treatment Plant , the sewage treatment shall be based on MBR technology. The nature of effluent from Hospital sewage from toilets, kitchen, Lab shall be discharge seperately into the STP. Design to take consideration is as given below :</p> <p>Inlet sewage parameter PH - - 7.0 - 8.5, TSS : 350 - 400 Mg/L, BOD : 300 - 400 Mg/L, COD : 800 - 1000 Mg/L, Oil &amp; Grease - 50 Mg / L. Outlet Parameter : PH : 7.0 - 8.5, TSS : &lt; 5 Mg/L, BOD : &lt; 5 Mg/L, COD : &lt; 15 Mg/L, Oil &amp; Grease : &lt; 5 Mg/L, Turbidity:&lt;1 NTU.</p> <p>Sewage Treatment Plant shall include : Bar Screen Cum Oil &amp; Grease Chamber, Sewage Equilization tank, Anoxic Tank, Aeration Tank, MBBR Tank, Sludge Holding Tank, Treated Water Tank, Operating Hours - 20 Hours Max with all Mechanical Equipment like Pumps &amp; Accessories to complete the job.</p>	1.00	Job	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
146	<p>HYDRO PNEUMATIC SYSTEM FOR DOMESTIC WATER DISTRIBUTION</p> <p>Variable Speed Hydro-booster System. Compact self contained Hydro-booster system comprising of following : In-line, vertical multistage, centrifugal clear water pumps with SS-304 casing, S.S 304 impeller and SS-304 shaft, C.I. Base CED coating &amp; head TEFC motor (with mechanical seal) Vendor to submit performance curves and technical catalogue of the proposed model for review and information. Panel mounted PLC based multi pump controller with large graphical display with VGA 240 x 320 pixels and variable frequency drive (VFD) integrated in a single body or as separate components with pressure sensor transmitter, IP 55 enclosure, diodes to indicate pump ready, pump running and fault condition. Each incomer and Outgoing feeder should be capable for protection against Overload, Short Circuit and Phase reversal condition. System should be capable to compensate for frictional losses at lower flows. All alarms should be displayed in the controller. System should be equipped with dry running protection. Indication of all type of faults / on-off status. Electronic type low water level controller with LED panel to operate pump (necessary contacts along with minimum one PLC operated spare contacts required), with probe &amp; all control wiring from Panel to tank to operate the system automatic/manual &amp; shall prevent the pump from dry running. Scope shall also include power and control cable of required size, termination, cable tray from Pump to Control panel etc. complete the job. Pre-charged diaphragm pressure vessel with interchangeable membrane, charging connection, connected to outlet header with necessary flanges, gaskets, isolating valves, nuts/bolts etc. complete (size of pressure vessel shall be as per manufacturer recommendation). Set of accessories such as GI headers of suction and discharge for (working and stand by pump assembly), control valves, non return valves, pressure switches, pressure transducers, pressure gauge etc. complete the job.</p> <p>DOMESTIC UGWT TO OHWT FEED PUMP:                      Capacity per pump - 200 LPM                      1 Set = 2 Nos. Pump (1 Working + 1 Standby - cascade operation)                      Total Capacity of System: 400 LPM                      Head - 60 mtr                      Location - At UGWT.                      Suction head - Positive Suction</p>	1.00	Each	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
147	<p>HYDRO PNEUMATIC SYSTEM FOR DOMESTIC WATER DISTRIBUTION</p> <p>Variable Speed Hydro-booster System. Compact self contained Hydro-booster system comprising of following : In-line, vertical multistage, centrifugal clear water pumps with SS-304 casing, S.S 304 impeller and SS-304 shaft, C.I. Base CED coating &amp; head TEFC motor (with mechanical seal) Vendor to submit performance curves and technical catalogue of the proposed model for review and information. Panel mounted PLC based multi pump controller with large graphical display with VGA 240 x 320 pixels and variable frequency drive (VFD) integrated in a single body or as separate components with pressure sensor transmitter, IP 55 enclosure, diodes to indicate pump ready, pump running and fault condition. Each incomer and Outgoing feeder should be capable for protection against Overload, Short Circuit and Phase reversal condition. System should be capable to compensate for frictional losses at lower flows. All alarms should be displayed in the controller. System should be equipped with dry running protection. Indication of all type of faults / on-off status. Electronic type low water level controller with LED panel to operate pump (necessary contacts along with minimum one PLC operated spare contacts required), with probe &amp; all control wiring from Panel to tank to operate the system automatic/manual &amp; shall prevent the pump from dry running. Scope shall also include power and control cable of required size, termination, cable tray from Pump to Control panel etc. complete the job. Pre-charged diaphragm pressure vessel with interchangeable membrane, charging connection, connected to outlet header with necessary flanges, gaskets, isolating valves, nuts/bolts etc. complete (size of pressure vessel shall be as per manufacturer recommendation). Set of accessories such as GI headers of suction and discharge for (working and stand by pump assembly), control valves, non return valves, pressure switches, pressure transducers, pressure gauge etc. complete the job.</p> <p>WTP FEED PUMP</p> <p>Capacity per pump - 10 CMT/ Hr</p> <p>1 Set = 2 Nos. Pump (1 Working + 1 Standby - cascade operation)</p> <p>Total Capacity of System: 20 CMT/ Hr</p> <p>Head - 30 mtr</p> <p>Location - Submersible Pump at UGWT.</p> <p>Suction head - Positive Suction</p>	1.00	Each	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
148	<p>HYDRO PNEUMATIC SYSTEM FOR DOMESTIC WATER DISTRIBUTION</p> <p>Variable Speed Hydro-booster System. Compact self contained Hydro-booster system comprising of following : In-line, vertical multistage, centrifugal clear water pumps with SS-304 casing, S.S 304 impeller and SS-304 shaft, C.I. Base CED coating &amp; head TEFC motor (with mechanical seal) Vendor to submit performance curves and technical catalogue of the proposed model for review and information. Panel mounted PLC based multi pump controller with large graphical display with VGA 240 x 320 pixels and variable frequency drive (VFD) integrated in a single body or as separate components with pressure sensor transmitter, IP 55 enclosure, diodes to indicate pump ready, pump running and fault condition. Each incomer and Outgoing feeder should be capable for protection against Overload, Short Circuit and Phase reversal condition. System should be capable to compensate for frictional losses at lower flows. All alarms should be displayed in the controller. System should be equipped with dry running protection. Indication of all type of faults / on-off status. Electronic type low water level controller with LED panel to operate pump (necessary contacts along with minimum one PLC operated spare contacts required), with probe &amp; all control wiring from Panel to tank to operate the system automatic/manual &amp; shall prevent the pump from dry running. Scope shall also include power and control cable of required size, termination, cable tray from Pump to Control panel etc. complete the job. Pre-charged diaphragm pressure vessel with interchangeable membrane, charging connection, connected to outlet header with necessary flanges, gaskets, isolating valves, nuts/bolts etc. complete (size of pressure vessel shall be as per manufacturer recommendation). Set of accessories such as GI headers of suction and discharge for (working and stand by pump assembly), control valves, non return valves, pressure switches, pressure transducers, pressure gauge etc. complete the job.</p> <p>IRRIGATION PUMP</p> <p>Capacity per pump - 200 LPM</p> <p>1 Set = 2 Nos. Pump (1 Working + 1 Standby - cascade operation)</p> <p>Total Capacity of System: 400 LPM</p> <p>Head - 40 mtr</p> <p>Location - Submersible Pump at UGWT.</p> <p>Suction head - Positive Suction</p>	1.00	Each	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
149	BOREWELL: Supplying & erecting approved make motor control cubical panel [Star delta] made from 16G CRCA sheet duly epoxy powder painted inside and outside with hinged doors and locking with suitable size of ON - OFF isolator (AC 3 / 23 duty) main fuses. Digital volt and current meter (in a single unit) with micro controller based control unit and current sensing single phasing preventer electronic overload protection, over voltage (Programmable) protection and under voltage (Programmable) protection, prod less dry run protection programming facility for setting of all parameter like overload current, high voltage limit, low voltage limit, dry run limit with digital indication on seven segment LED display for any fault like over load, high voltage, low voltage, dry running single crimped, electronic star delta timer, feather touch start / stop push buttons to be erected on angle iron frame. Grouted on wall the contactors will be of L& T, Siemens , BCH make only) (e) S/D up to 22.5 H.P.	1.00	Ea	0.00	0.00
150	Providing and erecting ISI marked PVC insulated PVC Sheathed Flat flexible Submersible copper cable approved make of following Size. (e) 3 Core x 10 Sq. mm. .	260.00	Mtr	0.00	0.00
<b>Total Amount</b>					<b>0.00</b>

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
<b>D</b>	<b>Part-4</b>				
151	Providing Water proof straight Joint in PVC insulated flat flexible copper cable by using insulating material, water proofing material, & making the joint complete. (A) Up to 10Sq. mm	1.00	Ea	0.00	0.00
152	Supplying of following size of <b>HEAVY UPVC</b> column pipe with coupler and wire lock [C] 65 mm dia	100.00	RMT	0.00	0.00
153	Supply of following size of TOP & BOTTOM accessories i.e. Adaptor set (Cl) long, pump guard set, starter pipe Rubber ring for submersible pump & UPVC column pipe as directed by Engineer - in - charge with necessary plumbing as desired. [E] 65 mm dia	1.00	Set	0.00	0.00
154	Supplying & erecting G.I. bend for pipe connections suitable for (E) 65 mm(2.5")	1.00	Ea	0.00	0.00
155	Lowering of submersible motor pump set complete with required. Nos. and size of casing pipes erected by means of proper chain pulley block & pipe wrenches after checking of threads of each pipe with coupling to take the load of the pump set and pipe assembly filled up with water. (b)Above 60 mtrs. and Up to 120 mtrs.	1.00	Job	0.00	0.00
156	Supplying submersible pump set for bore of 150 mm. dia. Or more having 3 phase motor capacity about 20 H.P and discharge capacity having (b) (14 Stage) 650 to 550 LPM discharge at head 84 to 112 mtrs suitable for 65 mm dia. delivery pipe	1.00	Ea	0.00	0.00
157	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer -in-charge, beyond 90 metre & upto 150 metre depth below ground level. All types of soil. 300 mm dia	100.00	Rmt	0.00	0.00
158	Supplying approved make domestic refrigerator of 50/60 Ltr storage capacity, single phase minimum 3 star rating.	2.00	Ea	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
159	Supplying frost free domestic type double door approved make refrigerator having minimum 3 star rating with 285 Ltr to 330 Ltr storage capacity operating on single phase power supply.	3.00	Ea	0.00	0.00
160	ELECTRICAL WORK: SUBSTATION WORKS: Providing, and erecting 11 KV D.P. 9 mtr. high Structure made of 6" x 3" 'I'- Section Girder, 4" x 2" channels, clamps, nuts, bolts etc. Suitable for erection of the followings duly connected with necessary ACSR conductors. as per drawing approved by the Engineer- in charge complete with following. Height as per IS 7 Mtr above ground ) (A) 11 KV 200 Amps Drop out fuses with S.R.B.P. tubes carries.-Three nos (B) 11 KV G.O.D. switch complete with insulators, operating handle with galvanised pipe, Sq.bar etc. 400 Amp.- One Set (C) 11 KV lightening arrester with clamp- Three Nos. (D) 11 KV shackle insulators- Six Nos. (E) The above D.P. structure should be earthed with 25 mm.X 3 mm thick double copper earth strips run separately and connected with separate copper plate earth electrode.	1.00	Job	0.00	0.00
161	Supply, Laying and commissioning of following size 11KV(E) grade XLPE insulated for cables, FR PVC outer sheathed, steel strip/ wire armored aluminum/copper conductor, underground cable. The cable shall conform to IS 7098, Part-II with latest amendments and technical specifications attached with this BOQ. 3C X 300sq.mm, AL. XLPE ARM. CABLE. <b>Make : Havells, Polycab, Torrent, KEI, Gloster.</b>	100.00	Rmt	0.00	0.00
162	supplying and making indoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required: 300 sq. mm <b>Make : Reychem, KEI, Denson</b>	3.00	Ea	0.00	0.00
163	Supplying and making outdoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required: 300 sq. mm <b>Make : Reychem, KEI, Denson</b>	1.00	Ea	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
164	<p>Providing, erecting, testing &amp; commissioning approved make oil immersed ONAN cooled, double wound, core type indoor / outdoor copper wound 11KV/ 433V step down transformer of following capacities operating on 3 phase, 50 Hz 4 wire &amp; neutral earthed system continuously rated for a full temperature rise in oil not exceeding 45 Deg.C.at maximum ambient temp. of 50 Deg. C. complete with necessary radiator first filling of new transformer oil &amp; standard fitting as below complying with IS 1180( Part 1 ):2014 standards with energy efficiency level 2. Off load tap changing range steps +2.5% to -5% on H.V for variation should be provided. The H.V. shall be connected Delta &amp; Secondary with star connection. The transformer should have cable-end boxes on H.T. side suitable for up to 3 core 150 sq.mm. XLPE cable &amp; on L.T. side suitable for bus duct or cables as per requirement complete with test certificates from manufacturers</p> <ol style="list-style-type: none"> <li>1. Oil conservator with filling Hole &amp; Cap - One No.</li> <li>2. Thermometer pocket with 6" dial type thermometer switch alarm &amp; trip contacts- Two nos.</li> <li>3. Silica-gel breather with charge- One No.</li> <li>4. Plain oil level gauge - One No.</li> <li>5. Drain / Sampling / Filter valve- One No.</li> <li>6. Top Filter Valve - One No.</li> <li>7. Explosion vent with Diaphragm - One No.</li> <li>8. Rating &amp; Diagram plate - One No.</li> <li>9. Additional neutral bushing for earthing - One No.</li> <li>10. Bi directional Roller - Four Nos.</li> <li>11. Earthing terminals - Two Nos.</li> <li>12. Lifting lugs - Two Nos.</li> <li>13. Air release plug. - One No.</li> <li>14. Double float buchholz relay with Alarm and trip contacts.</li> <li>15. Control cable as required from Transformer to VCB Panel is to be provided with necessary connection to VCB relays for protection.</li> </ol> <p>as per IS 1180 level-2 (b)315 KVA Max. allowable loses at 50 % of rated load is 1.025 KW and at full load is 3.1 KW. Cat.III</p>	1.00	Ea	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
165	<p>Providing, installing &amp; commissioning &amp; getting Plan Approval as well as NOC from Electrical Inspector for draw out type 11 KV indoor extensible type totally enclosed, single busher floor mounting metal clad 400A. vacuum tube circuit breaker confirming to IS: 2516 (Part- I &amp;11, Sec.1) 'for use on 11 KV, 3 phase, 50 c/s. unearthed A.C. supply system having breaking / rupturing capacity of 350 MVA complete with spring operated mechanism, mechanically ON-OFF and spring mechanism charged, discharged indicators, ON-OFF mechanical push button, operation counters necessary auxiliary switches, closing shunt trip, air insulated busbar chamber having heat shrinkable PVC sleeves, mechanical interlocks safety shutters, isolating plugs and a VCB trolley with three vacuum interrupters with epoxy support insulators and self aligning finger type isolating contacts. The breaker shall be Manual cum motorised mechanism with following accessories.</p> <ol style="list-style-type: none"> <li>1. 144 mm. square flush mounting type digital multifunctional meter with communication facility</li> <li>2. Power Factor Meter One No</li> <li>3. Double core current transformer cast resin type having ratio 200 to 50/1 core for metering &amp; second core for protection having required class of accuracy.</li> <li>4. Instantaneous under voltage relay - &amp; Temperature rise Tripping Relay</li> <li>5. Electrical closing coil &amp; short trip coil operating on 110V. D.C.-</li> <li>6. Auxiliary relay for anti pumping device</li> <li>7. Three phase Three limb Drawout type feeder connected &amp; output of 200 VA cast resin insulated potential transformer having ratio 12000V./110V. and 200 VA Burdon with 0.5 accuracy.</li> <li>8. Common Alarm bell operating on 110V A.C.- One No.</li> <li>9. Digital KWH Meter - One No.</li> <li>10. Cable boxes suitable up to 11 KV 3core 150 sq.mm XLPE cable.</li> <li>11. 230V. A.C. to 110V. D.C. power pack for closing &amp; tripping circuit common.. (for each VCB)</li> <li>12. Breaker ON-OFF, Auto trip and spring charged indicators</li> <li>13. Phase indicating &amp; panel illumination lamps with plug socket</li> <li>14. Numerical Communicable type non directional O/C &amp; E/F Relay with a setting of 5-250% both in O/C &amp; E/F.</li> </ol> <p>complete with necessary interconnection with air insulated high grade copper busbar {Breaker Testing scope include Closing Time, Opening Time, VCB Hi-Pot test at Site}{ Relay Testing Scope Include testing of all protection by three phase testing kit at site }{VCB</p>	1.00	No	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
166	<p>Supplying and erecting, commissioning and testing of Diesel Generating set confirming to IS: 4722:1968 &amp; BS:5514 having continuous rating, 3 phase, 415 volts, 50 cycles A.C. supply comprising of a totally enclosed air/water cooled diesel engine with multi-cylinders developing suitable BHP not less than following capacity at 1500 RPM with 10% overload for one hour in 24 hours with standard accessories like fly wheel, lubricating oil cooler, "A" class governor, heavy duty fuel wheel and lubricating oil filter, oil bath air filler, lubricating oil pressure gauge, end exhaust manifold, standard set of tools with adjustable spanners, screw drivers, cylinder head to cover, joint cylinder head to exhaust, element lube oil filter, 12 / 24 volts electric starting equipment complete with standard heavy duty battery, dynamo, cut-outs, ammeter, necessary wiring, pressure gauge, starter etc and heavy duty Residential type exhaust silencer and vertical hot air duct both logged with asbestos rope, save oil trays, exhaust piping of required length, standard wall/floor mounted fuel with level indicator and piping and drip proof alternator, self excited, self regulated, screen protected, with excitation system, capable of delivering the rated system output at 415 volts, 3 phase, 0.8 PF, 50 Hz, 4 wire, running at 1500 RPM, conforming to IS-4722- 1968 with voltage regulation +/- 5% of rated voltage from no load to full load. Both the engine and alternator fitted on a common fabricated steel base plate with antivibration mounting engine and alternator both connected to each other by flexible flange coupling and with floor/wall mounted control panel box comprising of voltmeter ammeter, selector switches, ACB / MCCB / MCB of adequate capacity, indicator lamps duly wired with HRC fuses. The alternator &amp; control panel shall be connected with provided suitable capacity armoured cable and complete with Acoustic enclosure (canopy) made out of 16 SWG CRCA Sheet, sound absorbing material Rockwool of 64 density &amp; 100 mm thick conforming to IS:8183 / PU Foam of 40 Density - at least 40 mm. The resin bonded rockwool covered from inside the canopy by perforated sheet with 3/4 mm holes, sound level not more than 75 dB at a distance of 1 mtr, as per PVCT norms. Erection, commissioning and satisfactory testing as per requirement with first filling of fuel, oil, etc. with guarantee / Warrantee of complete system for Two years. &amp; with obtaining all necessary certificate from Electrical Inspector. The Capacity and Ratings of DG sets are as below.</p> <p>(T) Continuous rating of 380 KVA ,BHP not less than 445 BHP</p>	1.00	No	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
167	<p>Providing &amp; erecting approved make AMF control panel suitable for following size of 3 phase, 415 V., 50 cycles, A.C. diesel generating set complete of scope as detailed below:</p> <p>1) Power module: A pair of electromechanically interlocked contactors (for mains &amp; generator) Overload relay for generator contactor Neutral contactor for mains and generator Power socket for connections.</p> <p>2) Control and metering module: Line voltage monitor. Generator voltage monitor Ammeter 3 items attempt start facility. Air circuit breakers/MCB/MCCB of suitable rating for auto/manual operation. Auto/manual switch. Emergency stop push buttons. Manual start push button. frequency meter. Engine hour meter. Two earthing studs.</p> <p>3) Protection module: The engine shutdown in the unlikely event of Low lube oil pressure High cylinder head temperature. V belt failure.</p> <p>4) Indicators with alarm Load on generator.</p> <p>5) Indicators Load on mains Engine fails to start . Emergency stop battery charger.</p> <p>The AMF Panel of following capacity (F) AMF Control Panel for 380 KVA/ 400 KVA3 phase DG Set</p>	1.00	No	0.00	0.00
168	Providing and fixing printed instruction chart both in English and Gujarati and duly framed with front glasses, for treatment of person suffering from Electric shock with minimum 50" diagonally size.	1.00	Ea.	0.00	0.00
169	Providing pair of rubber hand gloves suitable for working on 11 KV/22 KV supply.	1.00	Ea.	0.00	0.00
170	Supplying rubber matting of following thickness as per IS:15652/IEC 61111 (c)12mm	20.00	Sq.Mtr	0.00	0.00
171	Supplying stand first AID box with antiseptic cream, medicine for use on wounds due burn, crepe bandage, gauge bandage, medicated ready to use bandage (Band-aid) adhesive tape for medicinal user, Scissors, anti-septic solution (Savlon or similar) etc. (All above contents shall be of standard makes)	1.00	Ea.	0.00	0.00
172	Supplying FIRE bucket round bottom of 9 litres capacity made out of 24 gauge G.I. sheet with extra handle at bottom duly painted white inside and Red out side with FIRE mark, filled with dry-sand and kept on existing stand provided or hung on wall hook.	2.00	Ea.	0.00	0.00
173	Supplying and erecting floor mounting stand for keeping four nos. of FIRE buckets comprising 1500 mm in length, 900 mm height frame made out of 30mm X30 mm X 4 mm angle iron with cross supports for legs, welded with 4 hooks and duly painted with one coat of red lead and two coats of approved enamelled silver paint.	2.00	Ea.	0.00	0.00
174	Wall hook 22 to 25 cms. projection for keeping fire buckets made out of 15 mm dia. M.S rod grouted in wall to a depth of minimum 15 cms.	2.00	Ea.	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
175	Supplying & erecting D.C.P. type fire extinguisher for following capacity cartridge type with gun metal cap 150 gram CO2 gas cartridge, powder and brackets confirming to IS 2171 1985 and complete erected with necessary clamps made from 50 x 6 mm M S Flat with nuts and bolts grouted in wall complete. [A] For 5 Kg Capacity	14.00	Ea	0.00	0.00
176	Supplying & erecting carbon dioxide (CO2) fire extinguisher user of following capacity with necessary clamps made from 50 x 6 mm M.S. Flat with nut & bolts grouted in wall complete. [B] For 5.5 / 6.5 KG Capacity	14.00	Ea	0.00	0.00
177	Supplying & Fixing SMC Chequered plate having 12 mm thickness, made out of SMC Confirming to IS 13410 & by Hot press Compression Moulding technique Suitable cut & fixed with MS Angle Frame to Fit Trench Widths as per site requirement approved .by engineer incharge	20.00	Sq. Mtr.	0.00	0.00
178	LT PANELS : Providing & erecting weather proof, dust & vermin proof, floor mounted front operated indoor type cubical panel board having IP-64 protection made from 14 SWG thick CRC M.S. sheet for outer body & doors, 16 SWG thick CRC M.S.sheet for internal partitions with necessary supporting angles, flats including cutting, bending, drilling, welding, riveting with internal partitions & cable alley as per requirements & instruction of engineer-in-charge with erection of supplied switch gears, BUSBARS, with suitable size of inter connecting PVC copper wire / copper-aluminium strips, rubber grommets, rib, bakelite control fuses for measuring instruments, earth bus & earth bolts, foundation flange - bolts-base Plates, sufficient nos. of hinged doors, handles with locking arrangement and rubber gasket complete. The Panel shall be painted with epoxy powder coating. (The rates excludes the cost of switchgears, bus bars, inter connecting mains & Copper Aluminium strips, meters, Fuses etc. The dimension shall be measured excluding base beams) The panel shall be supplied with following approved manufacturers with following size. (B) The standard companies switch gear shall be used and only manufacturers at CPRI approved factory and shall be certified by that company whose switch gears are used after fabrication for beneficial use and having Logo on the Panel (B) The standard companies switch gear shall be used and only manufacturers at CPRI approved factory (i) with 350mm depth	2.00	Sq.Mtr	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
179	<p>LT PANELS : Providing &amp; erecting weather proof, dust &amp; vermin proof, floor mounted front operated indoor type cubical panel board having IP-64 protection made from 14 SWG thick CRC M.S. sheet for outer body &amp; doors, 16 SWG thick CRC M.S.sheet for internal partitions with necessary supporting angles, flats including cutting, bending, drilling, welding, riveting with internal partitions &amp; cable alley as per requirements &amp; instruction of engineer-in-charge with erection of supplied switch gears, BUSBARS, with suitable size of inter connecting PVC copper wire / copper-aluminium strips, rubber grommets, rib, bakelite control fuses for measuring instruments, earth bus &amp; earth bolts, foundation flange - bolts-base Plates, sufficient nos. of hinged doors, handles with locking arrangement and rubber gasket complete. The Panel shall be painted with epoxy powder coating. (The rates excludes the cost of switchgears, bus bars, inter connecting mains &amp; Copper Aluminium strips, meters, Fuses etc. The dimension shall be measured excluding base beams) The panel shall be supplied with following approved manufacturers with following size. (B) The standard companies switch gear shall be used and only manufacturers at CPRI approved factory and shall be certified by that company whose switch gears are used after fabrication for beneficial use and having Logo on the Panel (B) The standard companies switch gear shall be used and only manufacturers at CPRI approved factory (ii) with 550 mm. Depth</p>	8.00	Sq.Mtr	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
180	<p>LT PANELS : Providing &amp; erecting weather proof, dust &amp; vermin proof, floor mounted front operated indoor type cubical panel board having IP-64 protection made from 14 SWG thick CRC M.S. sheet for outer body &amp; doors, 16 SWG thick CRC M.S.sheet for internal partitions with necessary supporting angles, flats including cutting, bending, drilling, welding, riveting with internal partitions &amp; cable alley as per requirements &amp; instruction of engineer-in-charge with erection of supplied switch gears, BUSBARS, with suitable size of inter connecting PVC copper wire / copper-aluminium strips, rubber grommets, rib, bakelite control fuses for measuring instruments, earth bus &amp; earth bolts, foundation flange - bolts-base Plates, sufficient nos. of hinged doors, handles with locking arrangement and rubber gasket complete. The Panel shall be painted with epoxy powder coating. (The rates excludes the cost of switchgears, bus bars, inter connecting mains &amp; Copper Aluminium strips, meters, Fuses etc. The dimension shall be measured excluding base beams) The panel shall be supplied with following approved manufacturers with following size. (B) The standard companies switch gear shall be used and only manufacturers at CPRI approved factory and shall be certified by that company whose switch gears are used after fabrication for beneficial use and having Logo on the Panel (B) The standard companies switch gear shall be used and only manufacturers at CPRI approved factory (iii)with 750 mm. Depth</p>	4.00	Sq.Mtr	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
181	<p>LT PANELS : Providing &amp; erecting weather proof, dust &amp; vermin proof, floor mounted front operated indoor type cubical panel board having IP-64 protection made from 14 SWG thick CRC M.S. sheet for outer body &amp; doors, 16 SWG thick CRC M.S.sheet for internal partitions with necessary supporting angles, flats including cutting, bending, drilling, welding, riveting with internal partitions &amp; cable alley as per requirements &amp; instruction of engineer-in-charge with erection of supplied switch gears, BUSBARS, with suitable size of inter connecting PVC copper wire / copper-aluminium strips, rubber grommets, rib, bakelite control fuses for measuring instruments, earth bus &amp; earth bolts, foundation flange - bolts-base Plates, sufficient nos. of hinged doors, handles with locking arrangement and rubber gasket complete. The Panel shall be painted with epoxy powder coating. (The rates excludes the cost of switchgears, bus bars, inter connecting mains &amp; Copper Aluminium strips, meters, Fuses etc. The dimension shall be measured excluding base beams) The panel shall be supplied with following approved manufacturers with following size. (B) The standard companies switch gear shall be used and only manufacturers at CPRI approved factory and shall be certified by that company whose switch gears are used after fabrication for beneficial use and having Logo on the Panel (B) The standard companies switch gear shall be used and only manufacturers at CPRI approved factory (iv) with 1000 mm. depth</p>	8.00	Sq.Mtr	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
182	Providing & erecting weather proof, dust & vermin proof, floor mounted front operated outdoor type double door cubical panel board necessary IP-54 and above protection as per approval from engineer incharge made from 14 SWG thick CRC M.S. sheet for outer body & doors, 16 SWG thick CRC M.S.sheet for internal partitions with necessary accesories , supporting angles/ flats channel including cutting, bending, drilling, welding, riveting with internal partitions & cable alley as per requirements & instruction of engineer-in-charge with erection of supplied switch gears, BUSBARS, suitable size of inter connecting PVC copper wire / copper-aluminium strips, rubber grommets, rib, bakelite control fuses/MCB for measuring instruments, earth bus & earth bolts, foundation flange - bolts-base Plates, sufficient nos. of hinged doors, handles with locking arrangement and rubber gasket,heavy duty end terminal connection,danger notice board,necessary ventilation,earthing strip complete. The Panel shall be painted with epoxy powder coating. (The rates excludes the cost of switchgears, bus bars, inter connecting mains & Copper Aluminium strips, meters, Fuses etc. The dimension shall be measured excluding base beams) The panel shall be supplied with following approved manufacturers with following size. (B) The standard companies switch gear shall be used and only manufacturers at CPRI approved factory (i) with 350mm depth	4.00	Sq.Mtr	0.00	0.00
183	Supplying and erecting triple pole & neutral 440V/ 500V panel mounting Aluminium Busbars with four equal Nos. of bus having current density not more than 0.8 Amp. / sq.mm (Rated current / cross section area) duly wrapped with colour insulating tape for phase sequence of following current carrying capacity, erected with necessary bus bar supports /insulators, main cable socket to each busbar,erected in existing cubical panel with necessary connections. (A) Suitable for 100 Amp. Capacity	5.00	Rn.Mtr	0.00	0.00
184	Supplying and erecting triple pole & neutral 440V/ 500V panel mounting Aluminium Busbars with four equal Nos. of bus having current density not more than 0.8 Amp. / sq.mm (Rated current / cross section area) duly wrapped with colour insulating tape for phase sequence of following current carrying capacity, erected with necessary bus bar supports /insulators, main cable socket to each busbar,erected in existing cubical panel with necessary connections. (B) Suitable for 200 Amp. Capacity	8.00	Rn.Mtr	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
185	Supplying and erecting triple pole & neutral 440V/ 500V panel mounting Aluminium Busbars with four equal Nos. of bus having current density not more than 0.8 Amp. / sq.mm (Rated current / cross section area) duly wrapped with colour insulating tape for phase sequence of following current carrying capacity, erected with necessary bus bar supports /insulators, main cable socket to each busbar,erected in existing cubical panel with necessary connections. (D) Suitable for 400 Amp. Capacity	4.00	Rn.Mtr	0.00	0.00
186	Supplying and erecting triple pole & neutral 440V/ 500V panel mounting Aluminium Busbars with four equal Nos. of bus having current density not more than 0.8 Amp. / sq.mm (Rated current / cross section area) duly wrapped with colour insulating tape for phase sequence of following current carrying capacity, erected with necessary bus bar supports /insulators, main cable socket to each busbar,erected in existing cubical panel with necessary connections. (F) Suitable for 800 Amp. capacity	6.00	Rn.Mtr	0.00	0.00
187	Approved make standard Draw out type 4 Pole Air circuit breaker. Having 50 kA breaking capacity with ICU=ICS=ICW (1 sec)Vsr=690 v, Ui=1kv ,impulse voltage=12 kv with following type of relay and accessories. (B) with microprocessor Release with over load, short circuit, earth fault protection and metering display in modular design with LED display and Test Trip button facility, CTs and auxiliary contacts, of following current ratings. (i) 800Amp 50 kA Cat III	2.00	Ea	0.00	0.00
188	(2) Add Rs. 30500.00 in above said item for Electrically Draw out type (EDO) type in place of manual draw out (MDO)	2.00	Ea	0.00	0.00
189	Providing & erecting Accessories For Air Circuit Breakers as follows: (A) Six way Isolating Contact block	2.00	Ea	0.00	0.00
190	Providing & erecting Accessories For Air Circuit Breakers as follows: (B) Lockable Trip Push Button Type A,B,C,D	2.00	Ea	0.00	0.00
191	Providing & erecting Accessories For Air Circuit Breakers as follows: (C) Lockable Trip Push Button Kit L, M, LM, MN	2.00	Ea	0.00	0.00
192	Providing & erecting Accessories For Air Circuit Breakers as follows: (D) Locking of ACB in Isolated Position	2.00	Ea	0.00	0.00
193	Providing & erecting Accessories For Air Circuit Breakers as follows: (E) Locking of ACB in Any Position	2.00	Ea	0.00	0.00
194	Providing & erecting Accessories For Air Circuit Breakers as follows: (F) Racking Inter Lock	2.00	Ea	0.00	0.00
195	Providing & erecting Accessories For Air Circuit Breakers as follows: (G) Door Inter Lock	2.00	Ea	0.00	0.00
196	Providing , erecting , fabricating the M.S. structure as per requirement on site incorporating proper size of M.S. angles, flats, bars, channels, sections complete with cutting, welding, grinding & finishing duly painted with one coat of red oxide with erection on site as per direction of engineer in charge with necessary grouting, cementing, plastering & finishing complete.	150.00	Kg.	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
197	Supplying and erecting approved make panel mounting type Digital Voltmeter having 3 digits LED display, 0 to 750 AC Volts range erected on existing panel board with all connection, wiring etc .with manufacturers calibration certificate.	8.00	Ea	0.00	0.00
198	Supplying and erecting approved make panel mounting type Digital Ammeter having 3 digits LED display, external CT operated, calibrated for 0 to 1000 Amps suitable to operate on 500 Volt AC , erected on existing panel board with all connection, wiring etc .with manufacturers calibration certificate.	8.00	Ea	0.00	0.00
199	Supplying and erecting Ammeter / Voltmeter selector switch for 3 phase AC Supply 500 V on existing panel board with necessary connections.	8.00	Ea	0.00	0.00
200	Providing & erecting L.T. Current Transformer with bar primary 50/5 to 1000/5 ratio 15 VA burden erected in existing CRCA box duly secured with insulating materials connected to the meter	9.00	Ea	0.00	0.00
<b>Total Amount</b>					<b>0.00</b>

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
<b>E</b>	<b>Part-5</b>				
201	Supplying and erecting approved make set of indicator lamps of LED type lamp, lens cover, Bakelite holder complete erected with necessary connections.	69.00	Ea	0.00	0.00
202	providing and erecting Approved make <b>Three pole moulded case circuit breaker</b> having breaking capacity ICU of 25 K.A. at 415 V having normal current rating up to <b>25 A to 100A.</b> with Fixed thermal & magnetic release suitable to work on A.C. supply 50 c/s. with all internal connections & complete erected in existing 16 G.M.S. housing. ICS=100% of ICU only Cat III	6.00	Ea	0.00	0.00
203	providing and erecting Approved make <b>Four pole moulded case circuit breaker</b> having breaking capacity ICU of 25 KA. at 415 V, having normal current rating up to <b>25 A to 100A.</b> with Fixed thermal & magnetic release suitable to work on A.C. supply 50 c/s. with all internal connections & complete erected in existing 16 G.M.S. housing. ICS=100% of ICU only Cat III	20.00	Ea	0.00	0.00
204	providing and erecting Approved make <b>Four pole moulded case circuit breaker</b> having breaking capacity ICU of 35 KA. at 415 V. having normal current rating <b>125A.</b> with Fixed thermal & magnetic release suitable to work on A.C. supply 50 c/s. with all internal connections & complete erected in existing 16 G.M.S. housing. ICS=100% of ICU only Cat III	4.00	Ea	0.00	0.00
205	providing and erecting Approved make <b>Four pole moulded case circuit breaker</b> having breaking capacity ICU of 35 KA. at 415 V. having Normal current rating <b>200A.</b> with variable Thermal & magnetic release suitable to work on A.C. supply 50 c/s. with all internal connections & complete erected in existing 16 G.M.S. housing. ICS=100% of ICU only Cat III	8.00	Ea	0.00	0.00
206	Providing and erecting Approved make <b>Four pole moulded case circuit breaker</b> having breaking capacity ICU of 35 KA. and above at 415 V . having normal current rating <b>250A.</b> with variable thermal & magnetic release suitable to work on A.C. supply 50 c/s. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing. ICS=100% of ICU only Cat III	2.00	Ea	0.00	0.00
207	Providing and erecting Approved make <b>Four pole moulded case circuit breaker</b> having breaking capacity ICU of 50 KA and above at 415 V having Normal current rating <b>400A.</b> with variable Thermal & magnetic release suitable to work on A.C. supply 50 c/s. With all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing. ICS=100% of ICU only Cat III	2.00	Ea	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
208	Design, Supplying, installing, testing of factory fabricated ready made Three phase APFC Panel Cubical Panel fabrication should be type tested as per IEC 61921, 61439:1&2 Capacitor Duty Contactor for switching as per following Steps Incomer Switch of MCCB type Icu=Ics=50KA at 400/440 Volts, with Microprocessor based OC, SC, internal earth fault protection Incomer Switch of MCCB type Icu=Ics=50KA at 400/440 Volts, with Microprocessor based OC, SC, internal earth fault protection, Copper tinned insulated Busbar, Cubical panel should be indoor type with IP 43 and IK 10, Metalized polypropylene film tye3-phase 550Volt Capacitor, De tuning Reactor for each capacitor, Panel having Short Circuit and Overload protection, Each step Capacitor having suitable MCCB with Sc, OL, internal earth fault relay, Each stage having Stage Contactor (Capacitor load rating), PF regulator master controller having suitable steps with LCD display, Rs 485 Communication port, Indication LED Lamps for main incomer and ON-OFF for each capacitor bank, MS Chanel for Floor mounting, Cable entry as per site situation, Cooling fans for panel (E)150KVAR	1.00	Ea	0.00	0.00
209	Supplying & erecting power contactor ,AC3 duty for time switch complete erected as per direction Cat III (B) 2 pole 250V 32 Amp.	16.00	Ea	0.00	0.00
210	Supplying & erecting approved make Digital time switch having lithium cell 6 years operative and operate battery backup 1 channel day clock with 14 memory programme, suitable to operate on 240V + 5%, 16A with, floating contacts Minimum switching setup time 1 minimum & LCD display. Also comprised permanent ON/OFF switching. Programming switches & housed in fire proof thermoplastic enclosure & transparent cover erected as required with necessary connection erected as directed.	16.00	Ea	0.00	0.00
211	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables. (J) 3 1/2 core 300 Sq. mm ( 150 Sq. mm 1/2 core)	200.00	Mtr	0.00	0.00
212	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Copper conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cables. (I) 3 1/2 core 240 Sq. mm( 120 Sq. mm 1/2 core)	600.00	Mtr	0.00	0.00
213	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Copper conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cables. (F) 3 1/2 core 120 Sq. mm ( 70 Sq. mm 1/2 core)	100.00	Mtr	0.00	0.00
214	Providing and erecting XLPE (IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables (E) 3 1/2 core 95 Sq. mm ( 50 Sq. mm 1/2 core)	200.00	Mtr	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
215	Providing and erecting XLPE (IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables (D) 3 1/2 core 70 Sq. mm ( 35 Sq. mm 1/2 core)	150.00	Mtr	0.00	0.00
216	Providing and erecting XLPE (IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables (C) 3 1/2 core 50 Sq. mm ( 25 Sq.1/2 mm core)	50.00	Mtr	0.00	0.00
217	Providing and erecting XLPE (IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables (B) 3 1/2 core 35 Sq. mm ( 16 Sq. mm 1/2 core)	50.00	Mtr	0.00	0.00
218	Providing and erecting XLPE (IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables. A)4 core 16 Sq. mm	4000.00	Mtr	0.00	0.00
219	Providing and erecting XLPE (IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables (B) 4 core 25 Sq. mm	600.00	Mtr	0.00	0.00
220	Providing and erecting XLPE (IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables C)4 core 10 Sq. mm	1000.00	Mtr	0.00	0.00
221	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand / Solid Copper conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cables. (C) 4 core 6 Sq. mm	100.00	Mtr	0.00	0.00
222	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables. (D) 3 core 10 Sq. mm	100.00	Mtr	0.00	0.00
223	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Copper conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cable. (C) 3 core 6 Sq. mm	2000.00	MTR	0.00	0.00
224	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Copper conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cable. (B) 3 core 4 Sq. mm	200.00	MTR	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
225	Providing and, fixing heavy duty flange type brass double compression type cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (I) 3 & 1/2 core 300 Sq. mm	8.00	Ea	0.00	0.00
226	Providing and, fixing heavy duty flange type brass double compression type cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (G) (H) 3 & 1/2 core 240 Sq. mm	8.00	Ea	0.00	0.00
227	Providing and, fixing heavy duty flange type brass double compression type cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (E) 3 & 1/2 core 120 Sq. mm	2.00	Ea	0.00	0.00
228	Providing and, fixing heavy duty flange type brass double compression type cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (D) 3 & 1/2 core 95 Sq. mm	4.00	EA	0.00	0.00
229	Providing and, fixing heavy duty flange type brass double compression type cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (C) 3 & 1/2 core 70 Sq. mm	4.00	EA	0.00	0.00
230	Providing and, fixing heavy duty flange type brass double compression type cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (B) 3 & 1/2 core 35/50 Sq. mm	4.00	EA	0.00	0.00
231	Providing and, fixing heavy duty flange type brass double compression type cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (A) 3 & 1/2 / 4 core 25 Sq. mm	12.00	EA	0.00	0.00
232	Providing and fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. D) 2 to 4 core 16 Sq. mm	60.00	Ea	0.00	0.00
233	Providing and fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. C) 2 to 4 core 10 Sq. mm	50.00	Ea	0.00	0.00
234	Providing and fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. B) 2 to 4 core 6 Sq. mm	40.00	Ea	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
235	Providing and fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (A) 2 to 4 core 2.5 / 4 Sq. mm	20.00	Ea	0.00	0.00
236	Solder less crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (K) 300 Sq.mm.	40.00	Ea	0.00	0.00
237	Solder less crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (H) 150 Sq.mm.	8.00	Ea	0.00	0.00
238	Solder less crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (F) 95 Sq.mm.	16.00	Ea	0.00	0.00
239	Solder less crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (E) 70 Sq.mm.	16.00	Ea	0.00	0.00
240	Solder less crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (D) 35/50 Sq.mm.	16.00	Ea	0.00	0.00
241	Solderless crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (C) 16/25 Sq.mm.	252.00	Ea	0.00	0.00
242	Solderless crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. B)10 Sq. mm	200.00	Ea	0.00	0.00
243	Solder less crimping type Copper lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (A) 1.5/2.5 to 6 Sq.mm	120.00	Ea	0.00	0.00
244	Providing & laying approved make Double walled corrugated pipes (DWC) of polyethylene(conforming to IS 14930 II )with necessary connecting accessories of same material at required depth in existing trench for laying of cable. below ground / road surface for enclosing cable (A)50 mm outer dia	500.00	Mtr.	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
245	Providing & laying approved make Double walled corrugated pipes (DWC) of polyethylene(conforming to IS 14930 II )with necessary connecting accessories of same material at required depth in existing trench for laying of cable. below ground / road surface for enclosing cable (B)63mm outer dia	500.00	Mtr.	0.00	0.00
246	Providing & laying approved make Double walled corrugated pipes (DWC) of polyethylene(conforming to IS 14930 II )with necessary connecting accessories of same material at required depth in existing trench for laying of cable. below ground / road surface for enclosing cable (C) 90 mm outer dia	50.00	Mtr.	0.00	0.00
247	Providing & laying. R.C.C. Hume pipe for cable to be laid 90 cm. below ground across the road crossing or on floor with necessary material in an approved manner and making the ground as per original. (C) 300 mm dia	50.00	Mtr.	0.00	0.00
248	Providing & laying. R.C.C. Hume pipe for cable to be laid 90 cm. below ground across the road crossing or on floor with necessary material in an approved manner and making the ground as per original. (E)150 mm dia	50.00	Mtr.	0.00	0.00
249	Making trench in soft soil of suitable width of 90 cm deep for laying cable or locating the fault all over the run and back filling the same and making the surface as normal ground.	1000.00	Mtr	0.00	0.00
250	Covering of cable with second class bricks or cement tiles laid cover the cable crosswise & also on both sides with covering of 7.5 Cm. layer of sand above & below cable (16 bricks per meter)	1000.00	Mtr	0.00	0.00
	<b>Total Amount</b>				<b>0.00</b>

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
<b>F</b>	<b>Part-6</b>				
251	Providing and erecting iron clad cable route marker duly marked with ELE.CABLE of size 23 cm.X 12 cm. Flushed with ground in cement foundation as directed by Engineer in charge.	20.00	Ea	0.00	0.00
252	Point wiring for Light / Bell with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in/ on surface on wall/ceiling complete with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed. (a) with medium class Rigid PVC pipe and accessories CAT III	474.00	Pt	0.00	0.00
253	Point wiring for secondary light point with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling, complete with earth continuity and necessary connection with primary light with accessories erected on Metal / PVC box covered with 3 mm thick PC(Polycarbonet) / Acrylic sheet for open / concealed wiring. with necessary Lamp holder / ceiling rose / H.D.Connector as directed. (a) with medium class Rigid PVC pipe and accessories	195.00	Pt	0.00	0.00
254	Point wiring for Two Way Controlled Light Point with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (green) both are of .ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling ,complete with 6A Modular type switches and following type of accessories erected on PVC / Metallic box, single mounting base frame covered with textured / metallic front plate modules erected on / in wall / ceiling as per pipe erected. with necessary batten/angle holder or ceiling rose or H.D.Connector as directed CATIII	32.00	Pt	0.00	0.00
255	Point wiring for FAN with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling complete with 6A Modular type switch and hum free EME four or more step type electronic fan regulator with separately mounted and accessories with earth continuity of following type erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D.Connector as directed. (a) with medium class Rigid PVC pipe and accessories.CAT III	76.00	Nos	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
256	Point wiring for <b>Looped Plug with 6A</b> Modular type switch & 5 pin socket erected on PVC / Metallic box, single mounting base frame covered with textured / metallic front plate modules erected on / in wall / ceiling with following type accessories. CAT III	86.00	Nos	0.00	0.00
257	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge. (23) USB Charger with output of 5 V DC,2.1 A with inbuilt surge protection. Cat-III	64.00	Nos	0.00	0.00
258	Point wiring for Individual Plug with & earthwire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of to be erected concealed in / on surface of wall / ceiling complete with Modular type switch & 5 pin Plug erected on PVC / Metallic box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories. For <b>6A Plug</b> with 2-1.5 sq.mm Cu. Wire with medium class Rigid PVC pipe and accessories CAT III	166.00	Pt	0.00	0.00
259	Point wiring for Individual Plug with & earthwire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of to be erected concealed in / on surface of wall / ceiling complete with Modular type switch & 5 pin Plug erected on PVC / Metallic box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.[III] For <b>16A Plug</b> with <b>2-2.5 sq.mm Cu. Wire</b> (a) with medium class Rigid PVC pipe and accessories.CAT-III	36.00	Pt	0.00	0.00
260	Point wiring for Individual Plug with & earthwire of 2.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of to be erected concealed in / on surface of wall / ceiling complete with Modular type switch & 5 pin Plug erected on PVC / Metallic box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.[III] For <b>16A Plug</b> with <b>2-4 sq.mm Cu. Wire</b> (a) with medium class Rigid PVC pipe and accessories.CAT-III	28.00	Pt	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
261	Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (a) with medium class Rigid PVC pipe and accessories (a) 2 wire 1.5 sq. mm	1400.00	Mtr	0.00	0.00
262	Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (a) with medium class Rigid PVC pipe and accessories (B) 2 wire 2.5 sq. mm	17000.00	Mtr	0.00	0.00
263	Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected in / on wall / ceiling with 2.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size. (a) with medium class Rigid PVC pipe and accessories (A) 2 wire 4 sq. mm	5150.00	Mtr	0.00	0.00
264	Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected in / on wall / ceiling with 2.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size. (a) with medium class Rigid PVC pipe and accessories (b) 2 wire 6 sq. mm	420.00	Mtr	0.00	0.00
265	Supplying and erecting approved make oscillating type bracket fan A.C. 230V. 50cy/s 400/450 mm sweep wall mounted with height adjustment and rotary tilting device complete with guard, flexible Core plug top complete erected with lead wires as directed.	3.00	Nos	0.00	0.00
266	Providing & erecting Approved make Ceiling Fan with double ball bearing ISI mark with Condenser 230 volt A.C.50 Hz 1200 mm sweep complete having 3 blades aluminium body and blade sets having ornamental design shanks , canopy & 30 cms. down rod erected with 24/0.2, 3 core flexible wire with earthing. [ Make shall be approved by Engineer in Charge]	76.00	Nos	0.00	0.00
267	Providing 2.5mm.thick laminated acrylic sheet to cover the fan hook or Fan box.	76.00	Nos	0.00	0.00
268	Supplying and erecting 19 / 20 mm. nominal bore Medium Class M.S. Pipe down rod erected duly painted for fan complete with necessary 24/ O.20, 3 core flexible wire with earthing.	76.00	Mtr	0.00	0.00
269	Supplying & erecting fan hook box of 10 mm M.S. round bar bounded to the RCC bars up to 50mm length each side and pierced through a 16 Gauge M.S. box / Heavy Duty PVC box complete erected concealed in Ceiling with necessary finishing.	76.00	Nos	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
270	Supplying & erecting approved make low noise decorative <b>exhaust fan</b> having size 200mm with 1350 RPM with square frame ABS body with inbuilt lowers & square frame.	27.00	Nos	0.00	0.00
271	Providing & erecting Switch board for Computer or electric apparatus consisting of following items in single board erected on PVC / Metal board with 3 mm thick PC (Polycarbonate) / Acrylic sheet erected as directed for [B] modular type accessories 1 no. 6A/16A universal plug-switch combined. CATIII 3 nos. 6A Switch 3 nos. 6A 5 pin Plug	32.00	Ea	0.00	0.00
272	Supplying & erecting Electronic Type Cordless Call Bell erected on PVC/Metal board having portable bell push working on D.C. & bell on 230V A.C. supply with cells / battery	14.00	Ea	0.00	0.00
273	Supplying & erecting Approved make call bell indicator with buzzing sound and Red light indicating lamp with Red light button to attend the call suitable for 240 v 50 c/s supply to be erected.	14.00	Ea	0.00	0.00
274	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed (c) 32 mm	20.00	Mtr.	0.00	0.00
275	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for (A) single phase incoming and horizontal single phase outgoing(b) sheet steel double door (IP-43). (i)4 way	8.00	Ea	0.00	0.00
276	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for (A) single phase incoming and horizontal single phase outgoing(b) sheet steel double door (IP-43). (ii)6 way	4.00	Ea	0.00	0.00
277	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for (A) single phase incoming and horizontal single phase outgoing(b) sheet steel double door (IP-43). (iii)8 way	4.00	Ea	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
278	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for (A) single phase incoming and horizontal single phase outgoing(b) sheet steel double door (IP-43). (iv)12 way	1.00	Ea	0.00	0.00
279	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for (B) three phase incoming and single phase horizontal type outgoing Per phase isolation type (PPI) (b) sheet steel double door (iii)8 way	8.00	Ea	0.00	0.00
280	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for (B) three phase incoming and single phase horizontal type outgoing Per phase isolation type (PPI) (b) sheet steel double door (iv)12 way	3.00	Ea	0.00	0.00
281	Providing and erecting Sheet Steel powder coated Vertical MCB distribution board (VTPN) - flush / surface mounted double door (IP54) fitted with insulated copper busbar, isolated neutral link, earth bar and DIN rail, confirming to IS 13032 and BS 5486-1986,IP-54 suitable for 63/100 AMP TPN MCCB + RCCB as incomer and three phase outgoing as per following .(The DBs should be used of same company of MCB to be used) (C)8 way outgoing	2.00	Each	0.00	0.00
282	providing and erecting Miniature circuit breaker <b>single pole 6A to 25A</b> suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat.III	324.00	EA	0.00	0.00
283	Providing & erecting 240 V MCB <b>double pole switch for motor &amp; inductive load (C Curve)</b> having 10 KA breaking capacity & confirms to IS : 8828 in existing box having following capacity (A) 6 to 32 Amp. Cat.III	12.00	EA	0.00	0.00
284	Providing & erecting 240 V MCB <b>double pole switch for motor &amp; inductive load (C Curve)</b> having 10 KA breaking capacity & confirms to IS : 8828 in existing box having following capacity (B) <b>40 Amp. Cat.III</b>	4.00	Ea	0.00	0.00
285	Providing & erecting 415V MCB <b>Four Pole Switch for Lighting Load (B curve)</b> having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity (b)40 Amp. Cat.III	4.00	Ea	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
286	Providing & erecting 415 V MCB <b>Four Pole for Motor &amp; Inductive Load (C Curve)</b> having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity <b>(b)40 Amp.</b> Cat.III	4.00	Ea	0.00	0.00
287	Providing & erecting 415 V MCB <b>Four Pole for Motor &amp; Inductive Load (C Curve)</b> having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity <b>C) 63 Amp.</b> CAT-III	5.00	Ea	0.00	0.00
288	Approved make ELCBs / RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 6 KA and suitable for operation on single phase 240 V. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed <b>(i) 25 Amps.DP</b> Cat. III	10.00	Ea	0.00	0.00
289	Approved make ELCBs / RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 6 KA and suitable for operation on single phase 240 V. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed <b>(i) 40 Amps.DP</b> Cat. III	14.00	Ea	0.00	0.00
290	Approved make ELCBs / RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 6 KA and suitable for operation on single phase 240 V. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed <b>(i) 63 Amps.DP</b> Cat. III	6.00	Ea	0.00	0.00
291	Supply & installation of surface mounted U PVC snap-on adaptable trunking raceways, fabricated out of U-PVC to Off-White or approved shade as per IS 733 of thickness 2.0mm for the base and sides with all accessories like removable covers, joints ,height spacer,angles complete with necessary bends, suitable sized junction boxes and tees etc, Complete. (a)Size: 50x80mm PVC Raceways for Power & Data with 2 compartments above specifications.	400.00	Mtr	0.00	0.00
292	<b>MOLLIS X LED DOWNLIGHT:</b> 18W, High efficient deep inset recess mounted LED round downlighter with white powder coated, pressure die cast aluminium housing. High transmittivity PS diffuser provides soft light UGR<19. CRI>80, IP40(Housing),IP20(Driver), Ambient temp-0 to 45DegC, CCT - 4000/5700K, 50,000 hrs @ L70 life.Driver efficiency>85%, THD<10%, Powerfactor>0.95, Surge protection-2.5 kV, Multistage Isolated Constant Current-Constant Voltage operated driver with range 100-265V AC and Safety Extra Low Voltage Safe level<60V DC as per IEC standard. Luminaire lumen ≥ 1800 lm. (100 lm/W), Wipro Model No.LD06X-221-XX-57-XX	87.00	Ea	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
293	<p><b>MOLLIS X LED DOWNLIGHT: DALI DIMMABLE</b>            18W, High efficient deep inset recess mounted DALI Dimmable LED round downlighter with white powder coated, pressure die cast aluminium housing. High transmittivity PS diffuser provides soft light UGR&lt;19. CRI&gt;80, IP40(Housing),IP20(Driver), Ambient temp-0 to 45DegC, CCT - 4000/5700K, 50,000 hrs @ L70 life.Driver efficiency&gt;85%, THD&lt;10%, Powerfactor&gt;0.95, Surge protection-2.5 kV, Multistage Isolated Constant Current-Constant Voltage operated driver with range 100-265V AC and Safety Extra Low Voltage Safe level&lt;60V DC as per IEC standard.            Luminaire lumen ≥ 1800 lm. (100 lm/W), Wipro Model No. LD06X-221DALI57-XX</p>	6.00	Ea	0.00	0.00
294	<p><b>Glitz LED Downlight:</b>            9W, High efficient deep recess mounted COB LED downlighter with extruded aluminium housing with UGR&lt;19. High efficiency PC frosted reflector optics for effective thermal management using aluminium casting. CRI&gt;80, CCT - 5700K, 50,000 hrs @ L70 life.IP20, Ambient temp-0 to 45DegC, Driver efficiency&gt;85%, THD&lt;10%, Powerfactor&gt;0.9, Surge protection-2 kV, Multistage Isolated Constant Current-Constant Voltage operated driver with range 100-300V AC and Safety Extra Low Voltage Safe level&lt;60V DC as per IEC standard.            Cutout Dia-ø70mm. Luminaire lumen ≥ 900 lm. (100 lm/W), Wipro Model No. LD98-131-024-40-G1</p>	37.00	Ea	0.00	0.00
295	<p><b>FOKUS LED Downlight: DALI DIMMABLE</b>            9W, High efficient deep recess mounted COB LED DALI Dimmable downlighter with extruded aluminium housing with UGR&lt;19. High efficiency PC frosted reflector optics for effective thermal management using aluminium casting. CRI&gt;80, CCT - 5700K, 50,000 hrs @ L70 life.IP20, Ambient temp-0 to 45DegC, Driver efficiency&gt;85%, THD&lt;10%, Powerfactor&gt;0.95, Surge protection-2.5 kV, Multistage Isolated Constant Current-Constant Voltage operated driver with range 100-260V AC and Safety Extra Low Voltage Safe level&lt;60V DC as per IEC standard.            Cutout Dia-ø70mm. Luminaire lumen ≥ 810 lm. (90 lm/W), Wipro Model No.LD07-111-040-57-WH</p>	8.00	Ea	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
296	<p><b>Axeon:</b>                      20W 4ft, High efficiency long life Linear suspended luminaire with white powder coated finish extruded aluminium housing. Special translucent satin finish colourLED PMMA Diffuser. LED driver duly wired up to terminal block for easy installation and long service. Luminous efficacy not less than 115lm/W. CRI&gt;80, IP20, Ambient temp-0 to 45DegC, Driver efficiency&gt;85%, THD&lt;10%, CCT- 5700K, 50,000 hrs @ L70 life, Powerfactor&gt;0.95, Surge protection-3 kV, Multistage Isolated Constant Current-Constant Voltage operated driver with range 140-300V AC and Safety Extra Low Voltage Safe level&lt;60V DC as per IEC standard.  <b>Luminaire lumen ≥ 2300lm.</b>                      Available in continuous as well as standalone configuration. Wipro Model No.LM34-251-XXX57WG2L</p>	5.00	Ea	0.00	0.00
297	<p>Supply Installation Testing Commissioning of Indoor recess mounted (22x14mm profile light), Heavy aluminium Extruded Aluminium alloy Housing and polycarbonate diffuser profile for continuous decorative illumination                      Anodised aluminium end caps firmly fixed on the aluminium extrusion                      Silver anodised finish for elegant look . Efficacy of Fixture &gt;=100 Lumens/Watt                      Wattage should be 15 w/m. Should have a dotless continuous effect. Should be operated using remote driver of 24V Dc kept at suitable locations for future maintainance.Wipro Model No.LM37R-151-XX-30-G1</p>	12.00	Ea	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
298	<p>Integral, SMD 2x2 LED, IP 20, 30W LED Recess mounted fixture with System efficacy of more than 100lm/W and system lumen output 3000lm. Luminaire shall have satin finished translucence (HET) diffuser for Uniform illumination and wider light distribution. LM 80-08 compliant LEDs from reputed makes such as Nichia / Cree / Bridgelux / Lumileds should be provided. LEDs used in the product shall comply with EN 62471 for Photo-biological safety and certificate for the same from manufacturer shall be provided. Luminaire shall use SMD type LED. The LED shall be compliant with LM80-08 standard with L70 life of 50000 Hrs tested at maximum current (Complete LM 80 test report for LED should be submitted for 10000 hrs of testing). The LEDs used should be with CCT of 5700 K and CRI of Minimum 80. LED Driver shall be Multistage, Isolated type, APFC, Constant Current topology driver with proper heat sink for heat dissipation suitable to operate in input voltage range of 140V to 300V (nominal rated voltage – 240V) with 3KV internal surge protection, Power factor greater than 0.95 and total harmonic distortion (THD) of less than 10% should be integral to the luminaire. Complying to SELV &lt; 60V DC standards. Compliance to Indian Standards of IS10322 Part 5 / Sect 1:1967; 16105 : 2012; IS 16106 : 2012; IS 15885 (Part2/Sec13) : 2012; IS 16108 : 2012 Wipro Model No.CRCO10R030HP40G3. Also available in 4000K</p>	38.00	Ea	0.00	0.00
299	<p><b>HEXA RING:</b>                      35W, High efficient suspended LED Housing Hexa Shape 600mm made up of extruded Aluminum powder coated and non-yellowing PMMA diffuser. Aesthetic slim profile in ring type with edge lit concept for contemporary interiors.Revolutionary disc of light with horizontal plane creates circle of light. CRI&gt;80, IP20, Ambient temp-0 to 45 Deg C, CCT - 4000K, 50,000 hrs @ L70 life.Driver efficiency&gt;85%, THD&lt;10%, Powerfactor&gt;0.95, Surge protection-2.5 kV, Multistage Isolated Constant Current-Constant Voltage operated driver with range 150-270V AC and Safety Extra Low Voltage Safe level&lt;60V DC as per IEC standard.  <b>Luminaire lumen ≥ 3150 lm. (90 lm/W), Wipro Model No.LM23HR-601-XX57-XW</b></p>	1.00	Ea	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
300	<p><b>ORBIT RING:</b>                      35W, High efficient suspended LED Housing 600mm made up of extruded Aluminum powder coated and non-yellowing PMMA diffuser. Aesthetic slim profile in ring type with edge lit concept for contemporary interiors. Revolutionary disc of light with horizontal plane creates circle of light. CRI&gt;80, IP20, Ambient temp-0 to 45 Deg C, CCT - 4000K, 50,000 hrs @ L70 life. Driver efficiency&gt;85%, THD&lt;10%, Powerfactor&gt;0.95, Surge protection-2.5 kV, Multistage Isolated Constant Current-Constant Voltage operated driver with range 150-270V AC and Safety Extra Low Voltage Safe level&lt;60V DC as per IEC standard.  <b>Luminaire lumen ≥ 3150 lm. (90 lm/W), Wipro Model No.LM23OR-621-XX57-XW</b></p>	2.00	Ea	0.00	0.00
	<b>Total Amount</b>				<b>0.00</b>

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
<b>G</b>	<b>Part-7</b>				
301	<p><b>PICASSO CORAL LED:</b>  30W, High efficient coral (bell) shape made of aluminium white colour coated outside finish Upto 1m suspension. LED's provided with high efficient non yellowing PMMA diffuser provides soft light.CRI&gt;80, IP20, Ambient temp-0 to 45 Deg C, CCT - 4000K, 50,000 hrs @ L70 life. Driver efficiency&gt;85%, THD&lt;10%, Powerfactor&gt;0.95, Surge protection-4 kV, Multistage Isolated Constant Current-Constant Voltage operated driver with range 150-270V AC and Safety Extra Low Voltage Safe level&lt;60V DC as per IEC standard.</p> <p><b>Luminaire lumen ≥ 3000 lm. (100 lm/W), Wipro Model No. LM56-301-XXX-40-WH</b></p>	1.00	Ea	0.00	0.00
302	<p>Supply of touch-sensitive panels for easy to-use control of lighting control systems and DALI Type 8 colour devices.The DALI Interface is networkable on Router system can be installed and used to operate the lighting with the front fascia from a touch-sensitive area*.It is capable of creating, storing and recalling four lighting scenes. It operates in 0 °C to +50 °C with max. Max. 90 %, humidity. 9.5 V to 22.5 V is the DALI supply unit for the interface panel , fully DALI compatible. Touch Panel should have folowing features:</p> <p>Standalone controller and user interface  Networkable on DALI router systems  Minimal setup / Out-of-box operation  Capable of creating, storing and recalling four lighting scenes  Intuitive touch selection of operation mode, intensity, colour temperature and RGB colour (depending on the model)  Fully DALI-compatible  Available in a variety of front fascias for different controls  Glass and plastic front fascia finishes  Designed to fit UK, DIN and similar back boxes</p> <p><b>WIPRO MODEL NO - Keypad 191W</b></p>	1.00	Ea	0.00	0.00
303	<p>Supply of Power Supply Unit is fully DALI-compatible, and provides a DALI system with the required supply of up to 250 mA.Supply: 110-240V ±14% 50/60Hz Single Phase at 0.25A. output : 20 VDC (nominal), 250 mA WIPRO MODEL NO - 402 Power Supply</p>	1.00	Ea	0.00	0.00
304	<p>Supply Installation Testing Commisioning of light as per drawing Equalant to WIPRO MODEL NO - 290 Dimmer</p>	1.00	Ea	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
305	<p>"Supply Installation Testing Commissioning of Indoor <b>deep Recessed Round downlight 12-15W</b> Recess Mounted Round backlit downlighter with below features</p> <ol style="list-style-type: none"> <li>1. Pressure die cast Aluminum alloy housing for better thermal conductivity.</li> <li>2. PS diffuser for optimum light transmission. Round Version.</li> <li>3. Efficacy of Fixture more then or equal to 85 Lumens /watt Available with 5700K, 4000K &amp; 3000K CCT.</li> <li>4. CRI&gt;80 High efficiency Mettalic driver with inbuild surge protection, over voltage protection, short circuit protection and operating at &gt;0.9 PF. &lt;5% THD</li> <li>5. LED life of more then 35000 Hrs @ L70.</li> </ol> <p>TISVA LIGHTING (USHA INTERNATIONAL LTD) recess mounted die cast downlight VITO 13w DLP13W4K11 Equalant in LIGHTING TECHNOLOGIES/ENDO/LIGMAN"</p>	120.00	Ea	0.00	0.00
306	<p>Supply Installation Testing Commissioning of <b>Indoor Recessed round downlight 15-18W</b> Recess Mounted round backlit downlighter with below features Pressure die cast Aluminum alloy housing for better thermal conductivity.</p> <ol style="list-style-type: none"> <li>1. Powder coated using Nano technology for longer durability.</li> <li>2. PS diffuser for optimum light transmission. Round Version.</li> <li>3. Efficacy of Fixture 95 Lumens /watt Available with 5700K, 4000K &amp; 3000K CCT.</li> <li>4. CRI&gt;80 High efficiency Mettalic driver with inbuild surge protection, over voltage protection, short circuit protection and operating at &gt;0.9 PF. &lt;5% THD</li> <li>5. Certifice life of fixture LED life of 50000 Hrs @ L70 .</li> <li>6. IP20 Protection Luminaire performance &amp; Safety :IEC 60598, IS 10322-5, IS 161-03/05/06/07,</li> <li>7. Surge : IEC 61000-4-5, EMC : EN 55015 The manufacturer should be ISO 9001 -2008 and ISO 14001 -2004 Company</li> <li>8. Have their own driver Manufacturing Facility.</li> <li>9. Have their own NABL accredited lab</li> <li>10. Fixture color options Ebony Black , silver ,Terracota .Light Colors 5700 deg K, 4000 deg K, 3000 deg K</li> </ol> <p>Lighting technologies DLCR 18w D/L Equalant in ENDO/TISVA</p>	86.00	Ea	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
307	<p>Supply Installation Testing Commissioning of <b>Indoor Recessed round downlight</b> 10-12W Recess Mounted round backlit downlighter with below features Pressure die cast Aluminum alloy housing for better thermal conductivity.</p> <ol style="list-style-type: none"> <li>1. Powder coated using Nano technology for longer durability.</li> <li>2. PS diffuser for optimum light transmission. Round Version.</li> <li>3. Efficacy of Fixture 95 Lumens /watt Available with 5700K, 4000K &amp; 3000K CCT.</li> <li>4. CRI&gt;80 High efficiency Mettalic driver with inbuild surge protection, over voltage protection, short circuit protection and operating at &gt;0.9 PF. &lt;5% THD</li> <li>5. Certifice life of fixture LED life of 50000 Hrs @ L70 .</li> <li>6. IP20 Protection Luminaire performance &amp; Safety :IEC 60598, IS 10322-5, IS 161-03/05/06/07,</li> <li>7. Surge : IEC 61000-4-5, EMC : EN 55015 The manufacturer should be ISO 9001 -2008 and ISO 14001 -2004 Company</li> <li>8. Have their own driver Manufacturing Facility.</li> <li>9. Have their own NABL accredited lab</li> <li>10. Fixture color options Ebony Black , silver ,Terracota .Light Colors 5700 deg K, 4000 deg K, 3000 deg K</li> </ol> <p>Lighting technologies DLCR 12w D/L Equalant in ENDO/TISVA</p>	22.00	Ea	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
308	<p>Supply Installation Testing Commissioning of Indoor Office Lighting <b>9-10 Recess Mounted Spotlight</b> downlighter with below features</p> <p>Pressure die cast Aluminum alloy housing for better thermal conductivity.</p> <p>Powder coated using Nano technology for longer durability. PS diffuser for optimum light transmission.</p> <p>Efficacy of Fixture above 95 Lumens /watt</p> <p>Available with 5700K, 4000K &amp; 3000K CCT. CRI&gt;80</p> <p>High efficiency driver with inbuild surge protection, over voltage protection, short circuit protection and operating at &gt;0.9 PF. &lt;5% THD. Tilttable.</p> <p>LED life of 50000 Hrs @ L70. IP20 Protection</p> <p>Luminaire performance &amp; Safety :IEC 60598, IS 10322-5, IS 161-03/05/06/07, Surge : IEC 61000-4-5, EMC : EN 55015.</p> <p>The product should be Manufactured in India (all the Components should be manufactured in India except the Led source which can be imported . (Approved Led source Nichia , Cree, Lumileds , Osram Only)</p> <p>PF &gt;=0.95 and THD &lt;=5 % (Certificate need to be submitted from NABL Accredited lab)</p> <p>The manufacturer should be ISO 9001 -2008 and ISO 14001 -2004 Company</p> <p>The manufacturer should have their own driver Manufacturing Facility.</p> <p>The manufacturer should have their own NABL accredited lab</p> <p>Lighting Technologies Intenso Min 9w. or Equalant in ENDO/LIGMAN</p>	63.00	Ea	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
309	<p>Supply Installation Testing Commissioning of <b>IP 65 40w Linear Batten with dissued lens</b> for better distrubution with CCT of 4000k to be mounted in niche provided.</p> <p>Fixture should not be more than 70mm thick.IP-65 Protection with high quality silicon gaskets.</p> <p>Hinging with clear glass / polycarbonate cover with housing provided for easy maintenance. (FOR EXTERNAL LIGHT)</p> <p>1.Housing made of pressure die cast aluminium with well designed heat sink for rapid heat dissipation</p> <p>2. PC Injection Moulded Diffuser for high light transmitivity .Fixture Lumen Output should be greater than 100 lumen per watt.</p> <p>3. Min IP 65 Ingress Protection &amp; IK08 rating for Fixture and IP67 for Driver .</p> <p>5 . The driver should be easily maintainable from the rear side</p> <p>6. Fixture should be warrantied for 5yrs for 50,000 hrs @ L70 ( LM79 from NABL accredited Lab to be submitted along with Letter from Manufacturer for the Life class claim of L70 @ 50,000 hrs.)</p> <p>7. The product should be Manufactured in India (all the Components should be manufactured in India except the Led source which can be imported . (Approved Led source Nichia , Cree, Lumileds , Osram Only)</p> <p>8`. PF &gt;=0.9 and THD &lt;=10 % (Certificate need to be submitted from NABL Accredited lab)</p> <p>9. The manufacturer should be ISO 9001 -2008 and ISO 14001 -2004 Company</p> <p>10. . The Fixture should be provided with a suitable cradle for sturdy mounting.</p> <p>11. Have their own driver Manufacturing Facility.</p> <p>12. Have their own NABL accredited lab.</p> <p>Llghting Technologies make : Amiot : A04557ID00 or Equalant in ENDO/LIGMAN</p>	15.00	Ea	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
310	<p>Supply Installation Testing Commissioning of Indoor <b>recess mounted profile light 2400mm</b> 45W-50w 2400MM lighting fixture with below features</p> <p>Fixture output efficacy 4000-4500Lumens. Cut out required 60mm.</p> <p>Extruded Aluminium alloy Housing and polycarbonate diffuser profile for continous decorative illumination</p> <p>Anodised aluminium end caps firmly fixed on the aluminium extrusion</p> <p>Silver anodised finish for elegant look . Efficacy of Fixture &gt;=100 Lumens/Watt</p> <p>suitable for self adhesive HARD PCD LED Strips with driver for Installation/ PCB Mounted solution</p> <p>Available only in PCB option. Should be 4 feet length</p> <p>High end Metallic driver for better life and performance.</p> <p>LED life of 50000 Hrs @ L70. IP20 Protection</p> <p>Luminaire performance &amp; Safety :IEC 60598, IS 10322-5, IS 161-03/05/06/07, Surge : IEC 61000-4-5, EMC : EN 55015.</p> <p>The product should be Manufactured in India (all the Components should be manufactured in India except the Led source which can be imported . (Approved Led source Nichia , Cree, Lumileds , Osram Only)</p> <p>PF &gt;=0.95 and THD &lt;=5 % (Certificate need to be submitted from NABL Accredited lab)</p> <p>The manufacturer should be ISO 9001 -2008 and ISO 14001 -2004 Company</p> <p>The manufacturer should have their own driver Manufacturing Facility.</p> <p>The manufacturer should have their own NABL accredited lab</p> <p>Equivalent to Lighting Technologies Recess Profile or Equalant in ENDO/LIGMAN</p>	11.00	Ea	0.00	0.00
311	<p>Supplying, Installation, testing &amp; erecting of High end 20W <b>UP / Down outdoor Light</b> with Following specifications</p> <p>.(3000 deg warm white)</p> <p>Min IP 54 to ensure fixture is water and dust tight .</p> <p>External separate Silicon encapsulated isolated driver for ensuring better reliability and safety. 10KV/5KVA external surge arrestor.</p> <p>TISVA LIGHTING (USHA INTERNATIONAL LTD) Wall mounted outdoor up &amp; down wall light</p> <p>Equalant in LIGHTING TECHNOLOGIES/ENDO/LIGMAN"</p>	23.00	Ea	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
312	Supply Installation Testing Commisioning of decorative <b>recess wall mounted step/foot light</b> 3-9w with below features Colour : steel, nickel, white,black Dimmenssions: 150X300 Wattage: 3-9w Output : 200-500Lms Fixture should be more the IP20 rated EGLO make or equilant in TISVA/ Havelles/ Lighting technologies/ENDO/LIGMAN	10.00	Ea	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
313	<p>Supplying, Installation, testing &amp; erecting of 170w 3000/40000/57000k fixture Out door type <b>Led Flood Light</b> with with single piece pressure die-cast aluminium housing with extended heat sink ,with constant Current External Driver and Inbuilt Electrical Protection like over/under voltage ,short circuit open circuit ,miswiring. Fixture body should be of silver Grey COLOR ONLY to intregrate with Pole of the structure. Fixture should be mounted on 6m Pole Top on Round Base matching the similar Post Top Pole. The Fixture should be offered with below features.</p> <ol style="list-style-type: none"> <li>1.Housing made of pressure die cast aluminium with well designed heat sink for rapid heat dissipation</li> <li>2. PC Injection Moulded Diffuser for high light transmitivity .</li> <li>3. Min IP 66 Ingress Protection for Fixture and IP67 for Driver .</li> <li>4. External IP66 Silicon Potted driver for ensuring better reliability and safety .</li> <li>5 . The driver should be easily maintainable from the rear side</li> <li>6. Fixture should be warrantied for 5yrs for 50,000 hrs @ L70 ( LM79 from NABL accredited Lab to be submitted along with Letter from Manufacturer for the Life class claim of L70 @ 50,000 hrs.)</li> <li>7. The product should be Manufactured in India (all the Components should be manufactured in India except the Led source which can be imported . (Approved Led source Nichia , Cree, Lumileds , Osram Only)</li> <li>8. PF &gt;=0.9 and THD &lt;=10 % (Certificate need to be submitted from NABL Accredited lab)</li> <li>9. The manufacturer should be ISO 9001 -2008 and ISO 14001 -2004 Company</li> <li>10. The Fixture should be provided with 10/30/60 Deg lens for better light distribution and Spread.</li> <li>11. The Fixture should be provided with a suitable cradle for sturdy mounting.</li> <li>10. Have their own driver Manufacturing Facility.</li> <li>11. Have their own NABL accredited lab.</li> </ol> <p>Lighting Technologies Transformer T2 170W : T17030F060 Equivalent in Endo / Ligman</p>	1.00	Ea	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
314	"1. Supply, Installation, testing & erecting of decorative <b>BOLLARD LIGHT</b> 12-15w 3000k IP65. 2. Linear Rectungalur 600/900 mm bollard .Fixture Lumen Output should be greater than 80 lumen per watt. 3. Min IP 65 Ingress Protection for Fixture and IP65 for Driver . 4. 5. Fixture should be warrantied for 5yrs for 50,000 hrs @ L70 6. The product should be Manufactured in India (all the Components should be manufactured in India except the Led source which can be imported . (Approved Led source Nichia , Cree, Lumileds , Osram Only) 7. PF >=0.9 and THD <=10 % (Certificate need to be submitted from NABL Accredited lab) 8. 9. . The Fixture should be provided with a suitable cradle for sturdy mounting. 10. Equivalent to TISVA MAKE LB155161 Bollard or equivalent in Lighting Technologies /Endo / Ligman"	16.00	Ea	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
315	<p>Indoor BATTEN Lighting 28W-33w 1200MM Surface mounted <b>TUBE LIGHT/batten</b> with below features</p> <p>Extuded Aluminum alloy housing for better thermal conductivity.</p> <p>Powder coated using Nano technology for longer durability. PS diffuser for optimum light transmission or opiton of Lens Based profile for better task lighting. Option to be selected by Architect / Consultant</p> <p>Efficacy of Fixture 95 Lumens /watt</p> <p>Available with 5700K, 4000K &amp; 3000K CCT. CRI&gt;80</p> <p>High efficiency Mettalic driver with inbuild surge protection, over voltage protection, short circuit protection and operating at &gt;0.9 PF. &lt;5% THD</p> <p>LED life of 50000 Hrs @ L70. IP20 Protection</p> <p>Luminaire performance &amp; Safety :IEC 60598, IS 10322-5, IS 161-03/05/06/07, Surge : IEC 61000-4-5, EMC : EN 55015.</p> <p>The product should be Manufactured in India (all the Components should be manufactured in India except the Led source which can be imported . (Approved Led source Nichia , Cree, Lumileds , Osram Only)</p> <p>PF &gt;=0.95 and THD &lt;=5 % (Certificate need to be submitted from NABL Accredited lab)</p> <p>The manufacturer should be ISO 9001 -2008 and ISO 14001 -2004 Company</p> <p>The manufacturer should have their own driver Manufacturing Facility.</p> <p>The fitting should be customizable and shapes like X,Y,+ i.e. corss/plus shape can be made using the profiles. FITTING SHOULD HAVE UP &amp; DOWN EFFECT i.e. 30-40% of wattage should be upwards</p> <p>The manufacturer should have their own NABL accredited lab</p> <p>Equivalent to Lighting Technologies INDO BATTEN 28W 4ft OR Equivalent in Endo / Ligman.</p>	57.00	Ea	0.00	0.00
316	<p>Supply Installation Testing Commisioning of <b>decorative fabic Wall lamp</b> light 9-15w with below features</p> <p>Colour : steel, satin nickel / fabric, white</p> <p>Dimmensions: L 150, H 380, A 195</p> <p>Wattage: 9-15w</p> <p>Output : 900-1500Lms</p> <p>Fixture should be more the IP20 rated</p> <p>EGLO make 96477 PASTERI or equilant in Lighting technologies/ENDO/LIGMAN</p>	12.00	Ea	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
317	<p>ORBIT RING:            35W, High efficient suspended LED Housing 600mm made up of extruded Aluminum powder coated and non-yellowing PMMA diffuser. Aesthetic slim profile in ring type with edge lit concept for contemporary interiors.Revolutionary disc of light with horizontal plane creates circle of light. CRI&gt;80, IP20, Ambient temp-0 to 45 Deg C, CCT - 4000K, 50,000 hrs @ L70 life.Driver efficiency&gt;85%, THD&lt;10%, Powerfactor&gt;0.95, Surge protection-2.5 kV, Multistage Isolated Constant Current-Constant Voltage operated driver with range 150-270V AC and Safety Extra Low Voltage Safe level&lt;60V DC as per IEC standard.            Luminaire lumen ≥ 3150 lm. (90 lm/W), Wipro Model No.LM23OR-621-XX57-XW</p>	4.00	Ea	0.00	0.00
318	<p>Supply Installation Testing Commissioning of 15w-18w <b>Recess Mounted IP54 Spotlight downlighter</b> with below features            Pressure die cast Aluminum alloy housing for better thermal conductivity.            Powder coated using Nano technology for longer durability. PS diffuser for optimum light transmission.            Efficacy of Fixture above 95 Lumens /watt            Available with 5700K, 4000K &amp; 3000K CCT. CRI&gt;80            High efficiency driver with inbuild surge protection, over voltage protection, short circuit protection and operating at &gt;0.9 PF. &lt;5% THD. Tilttable.            LED life of 50000 Hrs @ L70. IP20 Protection            Luminaire performance &amp; Safety :IEC 60598, IS 10322-5, IS 161-03/05/06/07, Surge : IEC 61000-4-5, EMC : EN 55015.            The product should be Manufactured in India (all the Components should be manufactured in India except the Led source which can be imported . (Approved Led source Nichia , Cree, Lumileds , Osram Only)            PF &gt;=0.95 and THD &lt;=5 % (Certificate need to be submitted from NABL Accredited lab)            The manufacturer should be ISO 9001 -2008 and ISO 14001 -2004 Company            The manufacturer should have their own driver Manufacturing Facility.            The manufacturer should have their own NABL accredited lab            Lighting Technologies Intenso Min OUTDOOR 15w. or Equalant in ENDO/LIGMAN</p>	4.00	Ea	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
319	Supplying & erecting in earthpit of minimum bore dia. 225mm size ASH or approved make Safe Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free G.I.Pipes having Outer pipe dia of 80 mm having 80-200 Micron galvanising, Inner pipe dia of 40 mm having 200-250 Micron galvanising, connection terminal dia of 14 mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications. [B] For electrical installation up to 440 V Length of Pipe - 2 Mtr Back filling compound - 1 Nos. of Bag of 15 Kgs.	28.00	Nos	0.00	0.00
320	Providing and erecting required size HOT deep Galvanised iron strip for earthing of H.T. , OCB/ ACB/ Transformer LT panel board, Motors etc. using proper clamp.	150.00	KG	0.00	0.00
321	Providing and erecting required size Copper strip for earthing of H.T. OCB / ACB/ Transformer, LT panel board, Motors etc. using copper clamp.	80.00	KG	0.00	0.00
322	Providing and erecting HOT deep Galvanised iron strip wire 8 to 16 SWG.	70.00	KG	0.00	0.00
323	Supplying and erecting approved make online Un-interruptible Power Supply system with IGBT Based rectifer and Inverter & sealed maintenance free batteries. Single phase Input and Single Phase output with Inbuilt Isolation transformer with 0.8 load power factor with battery, over under voltage output with over load & short circuit protection equipment. The system housed in CRC sheet duly powder coated paint with following capacity & with Following size of batteries for 30 Min Backup (Minimum 2688 VAh) 3 KVA UPS with 28 AH, 8 Nos. Battery Certification : BIS (Including Five year free maintenance with guarantee)	2.00	EA	0.00	0.00
324	Supplying and erecting approved make online Un-interruptible Power Supply system with IGBT Based rectifer and Inverter & sealed maintenance free batteries. Three phase Input and Three Phase output with Inbuilt Isolation transformer with 0.9 load power factor with battery, over under voltage output with over load & short circuit protection equipment. The system housed in CRC sheet duly powder coated paint with following capacity & with Following size of batteries for 30 Min Backup (Minimum 8160 VAh) 10 KVA UPS with 34 AH, 20 Nos. Battery Certification : BIS (Including Five year free maintenance with guarantee)	1.00	EA	0.00	0.00
325	Providing and fixing approved make Perforated C type cable tray. Made from pre- galvanized CR sheet steel. The cable tray should be bended as per IS 2062/1079 . with coupler plate / Fish plate and GI hardware like nut - bolt and washers etc. erected on existing support as per Specification and as per instruction of engineer in charge..150 X 50 X 1.5 mm Thick	230.00	RMT	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
326	Providing and fixing approved make Perforated C type cable tray. Made from pre- galvanized CR sheet steel. The cable tray should be bended as per IS 2062/1079 . with coupler plate / Fish plate and GI hardware like nut - bolt and washers etc. erected on existing support as per Specification and as per instruction of engineer in charge.300 X 50 X 1.5 mm Thick	230.00	RMT	0.00	0.00
327	Providing and fixing approved make Perforated C type cable tray. Made from pre- galvanized CR sheet steel. The cable tray should be bended as per IS 2062/1079 . with coupler plate / Fish plate and GI hardware like nut - bolt and washers etc. erected on existing support as per Specification and as per instruction of engineer in charge.(7) 600 X 50 X 1.5 mm Thick	60.00	RMT	0.00	0.00
328	Providing and fixing approved make '90° Elbow' for Perforated C type cable tray. Made from pre galvanized CR sheet steel. The Junction should be bended as per IS 2062/1079. with coupler plate / Fish plate and GI hardware like nut - bolt and washers etc. erected on existing support as per Specification and as per instruction of engineer in charge..(b)90° Elbow (3) 150 X 50 X 1.6 mm Thick 90° Elbow	11.00	EA	0.00	0.00
329	Providing and fixing approved make '90° Elbow' for Perforated C type cable tray. Made from pre galvanized CR sheet steel. The Junction should be bended as per IS 2062/1079. with coupler plate / Fish plate and GI hardware like nut - bolt and washers etc. erected on existing support as per Specification and as per instruction of engineer in charge..(b)90° Elbow (5)300 X 50 X 2.0 mm Thick 90° Elbow	11.00	EA	0.00	0.00
330	Providing and fixing approved make '90° Elbow' for Perforated C type cable tray. Made from pre galvanized CR sheet steel. The Junction should be bended as per IS 2062/1079. with coupler plate / Fish plate and GI hardware like nut - bolt and washers etc. erected on existing support as per Specification and as per instruction of engineer in charge..(7) 600 X 50 X 2.0 mm Thick 90° Elbow	7.00	EA	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
331	<p>Supplying, Installation, testing &amp; erecting of 150w 3000/40000/57000k fixture Out door type Led Flood Light with with single piece pressure die-cast aluminium housing with extended heat sink ,with constant Current External Driver and Inbuilt Electrical Protection like over/under voltage ,short circuit open circuit ,miswiring. Fixture body should be of silver Grey COLOR ONLY to intregrate with Pole of the structure. Fixture should be mounted on 6m Pole Top on Round Base matching the similar Post Top Pole. The Fixture should be offered with below features.</p> <ol style="list-style-type: none"> <li>1.Housing made of pressure die cast aluminium with well designed heat sink for rapid heat dissipation</li> <li>2. PC Injection Moulded Diffuser for high light transmitivity .</li> <li>3. Min IP 66 Ingress Protection for Fixture and IP67 for Driver .</li> <li>4. External IP66 Silicon Potted driver for ensuring better reliability and safety .</li> <li>5 . The driver should be easily maintainable from the rear side</li> <li>6. Fixture should be warrantied for 5yrs for 50,000 hrs @ L70 ( LM79 from NABL accredited Lab to be submitted along with Letter from Manufacturer for the Life class claim of L70 @ 50,000 hrs.)</li> <li>7. The product should be Manufactured in India (all the Components should be manufactured in India except the Led source which can be imported . (Approved Led source Nichia , Cree, Lumileds , Osram Only)</li> <li>8. PF &gt;=0.9 and THD &lt;=10 % (Certificate need to be submitted from NABL Accredited lab)</li> <li>9. The manufacturer should be ISO 9001 -2008 and ISO 14001 -2004 Company</li> <li>10. The Fixture should be provided with 10/30/60 Deg lens for better light distribution and Spread.</li> <li>11. The Fixture should be provided with a suitable cradle for sturdy mounting.</li> <li>10. Have their own driver Manufacturing Facility.</li> <li>11. Have their own NABL accredited lab.</li> </ol> <p>Lighting Technologies Transformer T2 150W : T15030F030 Equivalent in Endo / Ligman</p>	4.00	Ea	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
332	<p>Supply, Installation, testing &amp; erecting of 6 meter decorative pole with 70w 4000k IP 65Street Light with in die cast aluminum housing and clear difusser. IP-65 Protection with high quality silicon gaskets. Hinging with clear glass / polycarbonate cover with housing provided for easy maintenance. (FOR EXTERNAL LIGHT)</p> <ol style="list-style-type: none"> <li>1.Housing made of pressure die cast aluminium with well designed heat sink for rapid heat dissipation</li> <li>2. PC Injection Moulded Diffuser for high light transmitivity .Fixture Lumen Output should be greater than 100 lumen per watt.</li> <li>3. Min IP 66 Ingress Protection for Fixture and IP67 for Driver .</li> <li>4. External IP66 Silicon Potted driver for ensuring better reliability and safety .</li> <li>5 . The driver should be easily maintainable from the rear side</li> <li>6. Fixture should be warrantied for 5yrs for 50,000 hrs @ L70 ( LM79 from NABL accredited Lab to be submitted along with Letter from Manufacturer for the Life class claim of L70 @ 50,000 hrs.)</li> <li>7. The product should be Manufactured in India (all the Components should be manufactured in India except the Led source which can be imported . (Approved Led source Nichia , Cree, Lumileds , Osram Only)</li> <li>8. PF &gt;=0.9 and THD &lt;=10 % (Certificate need to be submitted from NABL Accredited lab)</li> <li>9. The manufacturer should be ISO 9001 -2008 and ISO 14001 -2004 Company</li> <li>10. . The Fixture should be provided with a suitable cradle for sturdy mounting.</li> <li>11. Have their own driver Manufacturing Facility.</li> <li>12. Have their own NABL accredited lab.</li> </ol> <p>Lighting Technologies PRIMO Equivalent in Osram Equivalent in Endo / Ligman</p>	30.00	Ea	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
333	<p>1. Supply, Installation, testing &amp; erecting of decorative pole top mounting with 35-50w 3000k IP Post top light</p> <p>2. PC Injection Moulded Diffuser for high light transmittivity .Fixture Lumen Output should be greater than 80 lumen per watt.</p> <p>3. Min IP 65 Ingress Protection for Fixture and IP65 for Driver .</p> <p>4. External IP66 Silicon Potted driver for ensuring better reliability and safety .</p> <p>5. Fixture should be warrantied for 5yrs for 50,000 hrs @ L70 ( LM79 from NABL accredited Lab to be submitted along with Letter from Manufacturer for the Life class claim of L70 @ 50,000 hrs.)</p> <p>6. The product should be Manufactured in India (all the Components should be manufactured in India except the Led source which can be imported . (Approved Led source Nichia , Cree, Lumileds , Osram Only)</p> <p>7. PF &gt;=0.9 and THD &lt;=10 % (Certificate need to be submitted from NABL Accredited lab)</p> <p>8. The manufacturer should be ISO 9001 -2008 and ISO 14001 -2004 Company</p> <p>9. . The Fixture should be provided with a suitable cradle for sturdy mounting.</p> <p>10. Have their own driver Manufacturing Facility.</p> <p>Lighting Technologies Primus 40w Post Top Lunar Equivalent in Endo / Ligman</p>	20.00	Ea	0.00	0.00
334	<p>"1. Supply, Installation, testing &amp; erecting of decorative <b>BOLLARD LIGHT</b> 10-15w 3000k IP65.</p> <p>2. PC Injection Moulded Diffuser for high light transmittivity .Fixture Lumen Output should be greater than 80 lumen per watt.</p> <p>3. Min IP 65 Ingress Protection for Fixture and IP65 for Driver .</p> <p>4. External IP66 Silicon Potted driver for ensuring better reliability and safety .</p> <p>5. Fixture should be warrantied for 5yrs for 50,000 hrs @ L70 ( LM79 from NABL accredited Lab to be submitted along with Letter from Manufacturer for the Life class claim of L70 @ 50,000 hrs.)</p> <p>6. The product should be Manufactured in India (all the Components should be manufactured in India except the Led source which can be imported . (Approved Led source Nichia , Cree, Lumileds , Osram Only)</p> <p>7. PF &gt;=0.9 and THD &lt;=10 % (Certificate need to be submitted from NABL Accredited lab)</p> <p>8. The manufacturer should be ISO 9001 -2008 and ISO 14001 -2004 Company</p> <p>9. . The Fixture should be provided with a suitable cradle for sturdy mounting.</p> <p>10. Have their own driver Manufacturing Facility.</p> <p>Lighting Technologies Primus 12w Post Top Equivalent in Endo / Ligman"</p>	10.00	Ea	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
335	Supplying, Installation, testing & erecting of Waterproof surface mounted spike light High Efficacy and low power consumption, protection to surge and transients of upto 4kv, Good quality of light with >70 CRI, high quality detachable constant current driver with a very high input voltage range of 100-240V AC, Protector made of flat glass and metalised reflector for wider and symmetric light distribution. MAKE: Tisva LSP10101 Or equalaint in : Lighting technologies / Endo	8.00	Ea	0.00	0.00
336	Supplying and erecting approved make Octagonal pole made from HR sheet steel. The pole should be made as per IS. and shall be coated with hot dip galvanizing as per IS 2629/2633/4759, suitable suspend local wind speed with integral Junction box consist of terminal plate of min 6mm Hylam sheet, standard profile 35mmX7.5mm Din-Rail for MCB Mounting, stud type terminal and arrangement for cable termination to be erected With Suitable foundation (Included) as per details given by manufacturer considering site requirement.(D) <b>6 Mtr. Long 70 mm Top X 135 mm bottom dia, 3 mm thickness</b> with 200mmX200mmX12mm base plate, 4-M20 Bolts and 600mm long J-Bolt.Approx Pole weight 59 kg	30.00	Ea	0.00	0.00
337	Supplying and erecting approved make Conical Pole (Medium Duty ) Made from HR sheet steel. The pole should be made as per IS. and shall be coated with hot dip galvanizing as per IS 2629/2633/4759, with required base plate and integral Junction box consist of terminal plate of min 6mm Hylam sheet, standard profile 35mmX7.5mm Din-Rail for MCB Mounting, stud type terminal and arrangement for cable terminations as erected on suitable foundation (included) with necessary nut-bolts/J-Bolts. as per details given by manufacturer considering site requirement. The length of poles are as below. (C) <b>5 Mtr. Long 70 mm Top X 145 mm bottom dia, 3 mm thickness.</b>	20.00	Ea	0.00	0.00
338	Supplying and erecting street light pole bracket comprising main B Class MS pipe of 4.2 cm/require outside dia. complete with suitable B Class M.S. sleeve tubing of approx. 45cms.length and suitable for 76.5mm/80mm or require size pole top having sufficient fastners for fixing the brackets and having suitable rise as per site condition as directed and spread of 2 mtr.with suitable welded stiffener reducer and with lock nut complete painted with one coat of Red oxide / PU base primer and two coats of Aluminium / PU paint. Suitable for side entry fitting brackets of following nos of arms.(A) Single Arm bracket 2 Mtr	30.00	Nos	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
339	Providing 1:2:4 cement concrete foundation & 70 % PCC from bottom including excavation for the pole of size 45 x 45 x 100 cm. Deep in below ground level with plinth of 45 cm x 45 cm (or 45 cm dia x 45 cm) high upper ground level with necessary curing and finishing in approved manner. ( for 4 & 6 mtr pole)	50.00	Ea.	0.00	0.00
340	Providing and erecting Pipe type earthing having 150 cms.long and 2.5 cms. dia. galvanised iron pipe with coupling and buch buried in specially prepared earth pit complete with necessary 8 SWG earth wire.	50.00	Nos	0.00	0.00
341	Supplying & erecting approved make SMC press moulded composite FRP. loop-in, loop-out approx. 2mm thick box complete with Bakelite connector strip 5way(3P+N+E),DIN rail for mounting mob & hinged doors as per requirement having locking arrangements with mounting clamp with nuts, bolts & washers suitable for erection on pole with cable clamps& earth bolt of following size of box. (a) 300mm x 200mm x 100mm [deep]	50.00	Ea.	0.00	0.00
342	Supplying and erecting B class Galvanized iron pipe having smooth finished bore of the pipe on both ends erected nuts and bolts along the pole / wall shaping the pipe as per site requirement. Pipe dia as following. (b) 32 mm dia	100.00	Mtr	0.00	0.00
343	<b>FA System:</b> Supplying, installation, testing and commissioning of micro processor based intelligent addressable main fire alarm panel having IS or BS (EN 54) (Vds approved) or NFPA 72 (UL/ULC/FM approved) with latest Ammendment with central processing unit with the following loop modules and capable of supporting not less than 240 devices (including detectors) and minimum 120 detectors per loop and loop length up to 2 km, network communication card, minimum 320 character graphics/ LCD display with touch screen or other keypad and minimum 4000 events history log in the non volatile memory (EPROM), power supply unit (230 ± 5% V, 50 hz), 48 hrs back-up with 24 volt sealed maintenance free batteries with automatic charger. The panel shall have facility to connect printer to printout log and facility to have seamless integration with analog/digital voice evacuation system (which is part of the schedule of work under SH: PA System) and shall be complete with all accessories . The panel shall be compatible for IBMS system with open protocol BACnet/ Modbus over IP complete as per specification. (B) 2 Loop Panel	1	Ea	0.00	0.00
344	Supplying, installation, testing & commissioning of intelligent analog addressable (Smoke) photothermal detector having IS-11360-1985 or BS 5446 Part I-1977 & Part VII –1985 (VdS approved) or NFPA72 ( UL/ULC/FM approved) with Latest ammendment complete with mounting base complete as required.	24	Ea	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
345	Supplying, installation, testing & commissioning of intelligent addressable thermal detector with rate of rise cum fixed temperature thermistor having IS-2175 - 1988 or BS-5445 ( EN 54) Part 5 –1977(VdS approved) or NFPA72 (UL/ULC/FM approved) complete with base as required.	1	Ea	0.00	0.00
346	Supplying, installation, testing & commissioning of addressable manual call point having IS or BS (EN 54) (Vds approved) or NFPA 72 (UL/ULC/FM approved) with Latest Amendment complete as required.	2	Ea	0.00	0.00
347	SITC of Analogue addressable loop powered Base Sounder, variable sound output 50 ~ 98 dB(A) (±2 dB(A)) output at 1 metre, 51 user-selectable tones (all tones EN54-3 compatible), Auto shutdown feature prevents noise-pollution, Approved by LPCB & VdS	2	Ea	0.00	0.00
348	Supply and Laying of 2 Core X 1.5 sqmm FRLS armoured copper Cable (Makefinolex /polycab / RR kabel / Avocab	300	Rmt	0.00	0.00
349	Supply, Installation, testing & commissioning of 2MP Full HD IR Network <b>Indoor Dome Camera</b> . 1/2.8" 2MP PS CMOS Image Sensor (0.9071 cm) • Max. 2MP (1920 × 1080)@25/30fps • Instastream and Smart H.264+ dual-stream encoding • DWDR, Day/Night (ICR), 3D-DNR, ROI, AWB, AGC, BLC, HLC • 3.6mm fixed lens (2.8mm Optional) • IR Range of 30 Mtrs, IP67, PoE • Mobile Software: iCMOB, gCMOB • CMS Software: KVMS Pro Make : CP Plus, Avtron or equivalent.	23	Ea	0.00	0.00
350	Supply, Installation, testing & commissioning of 2MP Full HD IR Network <b>Outdoor Bullet Camera</b> . 1/2.8" 2MP PS CMOS Image Sensor (0.9071 cm) • Max. 2MP (1920 × 1080)@25/30fps • Instastream and Smart H.264+ dual-stream encoding • DWDR, Day/Night (ICR), 3D-DNR, ROI, AWB, AGC, BLC, HLC • 3.6mm fixed lens (2.8mm Optional) • IR Range of 30 Mtrs, IP67, PoE • Mobile Software: iCMOB, gCMOB • CMS Software: KVMS Pro Make : CP Plus, Avtron or equivalent.	10	Ea	0.00	0.00
<b>Total Amount</b>					<b>0.00</b>

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
<b>H</b>	<b>Part-8</b>				
351	Supply, Installation, testing & commisioning of Up to 16 channel IP camera input, Max 320Mbps incoming bandwidth, Instastream/H.265/Smart H.264+/H.264/MJPEG, Up to 12MP resolution preview and playback, Support 4 SATA HDDs up to 10TB Each, 3 USB Ports (2 USB 3.0, 1 USB 2.0), 2 HDMI / 2 VGA simultaneous video output, Support Multi-brand network cameras, ONVIF Version 2.4 conformance, Mobile Software: iCMOB, gCMOB, CMS Software: KVMS Pro, with 1 nos of Western Digital 10TB WD Purple Pro Surveillance Internal Hard Drive HDD - SATA 6 Gb/s, 256 MB Cache, 3.5" - WD101PURP. Make : CP Plus, Avtron or equivalent.	3	Ea	0.00	0.00
352	Supply, Installation, testing & commisioning of Wire less WiFi Router with below specification Networking Interface : (1) 10/100 Ethernet Port Buttons : Reset Antennas ,Power Method : Passive Power over Ethernet (12-24V) Power Supply : Included 24V, 0.5A PoE Adapter Maximum Power Consumption : 6 W Maximum TX Power : 27 dBm BSSID : Up to Four Per Radio Power Save : Supported Wireless Security : WEP, WPA-PSK, WPA-TKIP,WPA2 AES.	10	Ea	0.00	0.00
353	Providing following type of Modular Type Accessories mounted with pvc / metallic box, single mounting base frame covered with textured / metallic front plate , modules erected with necessary connection. As desired by Engineer In charge.Modem Jack for Telephone Open RJ-11 CAT III.	34	Ea	0.00	0.00
354	Supplying & erecting Digital / PCM / TDM EPABX System having SMT design, system with flexible universal slots, Inbuilt Auto attendant facility, Minimum 15 Nos. conference, Analog extension line, Calling GSM, E&M line, PRI / E1 & VOIP program me through Analog telephone digital key from Ethernet, public address cord, shall have unrestricted simultaneous dialling facility, QSIG protocol on PRI, 95 / STD / ISD / Local- Locking ,Class of Service, Quick Dial- Single Digit dialling of any two external numbers, Once only ring device, Boss/Secretary- Do not Disturb Facility, Power Down Mode, Hot Line, Hot Outward Dialling, Day Night Mode, Auto Call Back, Barge-in, Call Pick Up & Call Transfer, Call transfer while Ringing. With Voice Guide System, (DISA), Caller ID (CLI), CLI Base ECF,CLI Base routing Internet Ready Port, External Music Port, Call Budgeting, Call Most Calculation(ASMDR), DID Direct Inverse Dialling, External Music Input, Fax Homing, Global Directory Printing. with following capacities. [B] No of Extension 24, No of Junctions 9, 8 Port IP Resource in-built, 4 Port Web base Video Conferencing, No of expandable ports : 96, Operators Console - 01 Compatible : ISDN	1	EA	0.00	0.00
355	[C] No of Extension 48, No of Junctions 9, 8 Port IP Resource in-built, 4 Port Web base Video Conferencing, No of expandable ports : 128, Operators Console - 01 Compatible : ISDN	1	EA	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
356	Supplying & erecting push button type telephone instrument having speaker phone Caller ID & hands free dialling system & 30 memories with display system (a) Single line BPL / SONY/ BEETEL or equivalent make.Cat : III & As per approved Make List.	34	EA	0.00	0.00
357	Supplying & erecting Panasonic / SONY or equivalent make push button type Two way Cord Less telephone instrument Speaker Phone having feather light key pad 30 days standby battery life, hands free speaker phone, 19 station speed dialler, inter com with 2 way paging & lock key one touch dialler.	2	EA	0.00	0.00
358	Supply, installation, testing and commissioning of Providing following type of Modular Type Accessories mounted with pvc / metallic box, single mounting base frame covered with textured / metallic front plate , modules erected with necessary connection. As desired by Engineer In charge.Modem Jack for Computer Open RJ-45 CAT III.	34	Ea	0.00	0.00
359	Supplying & erecting approved make LAN cable of following size in existing pipe as per direction [D] CAT - 6e ( For LAN, Telephone & Camera).	4500	Mtr	0.00	0.00
360	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed. (b) 25 mm	6000	Mtr	0.00	0.00
361	SITC of Jack Panel, fully loaded with 24 nos. UTP ports for PCB based IO Jacks (RJ45, TIA-568C Category-6, Installation and Termination of all 24 nos. Category-6 UTP , unloaded with individually replaceable 24 nos. Category-6 I/O Jacks complying with TIA-568.C.2, as per given jack specification Shall be suitable for loading unshielded & shielded jacks for different category systems (CAT 6 & CAT 6A)	2	Ea	0.00	0.00
362	SITC of company fabricated patch cords shall conform to Cat- 6 & conductor shall be stranded for better flexibility Shall support network line speeds up to 1 Gbps Shall have RJ-45 jacks. (A) 1 Mtr	48	Ea	0.00	0.00
363	SITC of 24 x 10/100/1000BASE-T PoE ports 4 x Gigabit RJ45/SFP Combo ports Advanced L2 switching and security features L2+ Static Routing Optional "standard mode" or "surveillance mode" management user interface 193 W PoE budget	3	Ea	0.00	0.00
364	Providing & Erecting Network rack with following capacity with Necessary cooling fan,Cable manager,6A PDU,equipment rack with necessary mounting accessories. (A) 9 U	1	Ea	0.00	0.00
365	Providing & Erecting Network rack with following capacity with Necessary cooling fan,Cable manager,6A PDU,equipment rack with necessary mounting accessories. (E) 19 U	2	Ea	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
366	Providing & Erecting approved make following size of TV Co-axial flexible cable comprising inner conductor of solid bare copper insulated with Foam PE & Secondary conductor made of poly - Aluminium film bonded Al. Braids @ suitable coverage overall sheathed with black PVC insulation. b).RG-6	800	Mtr	0.00	0.00
367	Providing following type of Modular Type Accessories mounted with pvc / metallic box, single mounting base frame covered with textured / metallic front plate , modules erected with necessary connection. As desired by Engineer In charge (4) TV Co-axial Socket outlet Cat.II	19	Ea	0.00	0.00
368	Supply, installation, testing & Commissioning of 43 inch UHD 4K Smart TV with all mounting accessories, remote, Power unit complete. Min 2 USB Port, 2 HDMI Port, VGA Port, Ethernet Port etc. with updated OS. 2023 Latest Model, Make : Sony, Samsung, LG	9	Ea	0.00	0.00
369	Supply, installation, testing & Commissioning of 55 inch UHD 4K Smart TV with all mounting accessories, remote, Power unit complete. Min 2 USB Port, 2 HDMI Port, VGA Port, Ethernet Port etc. with updated OS. 2023 Latest Model, Make : Sony, Samsung, LG	4	Ea	0.00	0.00
370	Supply, installation, testing & Commissioning of 65 inch UHD 4K Smart TV with all mounting accessories, remote, Power unit complete. Min 2 USB Port, 2 HDMI Port, VGA Port, Ethernet Port etc. with updated OS. 2023 Latest Model, Make : Sony, Samsung, LG	9	Ea	0.00	0.00
371	Supply, Installation, Testing and Comissioning of 85" Smart 4K Non-Touch display   In-built Android 8.0, RAM 3 GB, 16 GB ROM  20W x 2 Speakers   6 no. of Beam Forming Microphones with Echo Cancellation   50000 Hours of Life   500 nits Brightness  Multiple Inputs for connectivity   Inbuilt Screen Sharing Software   Slimmer Frame   OPS Slot for On-Board Computer Connectivity (Including Five year free maintenance with guarantee)	1	Ea	0.00	0.00
372	Supply,Installation,Testing and Commissioning of 20 ft HDMI Interface Cable Should be 20ft Male to Male High-speed Category 2 HDMI cable; Should be 24k gold-plated 19-pin Type A connector; Should have High-flex CL3-rated jacket; Should Support 4K60 4:4:4 video; Should support 18 Gbps bandwidth; Should be RoHS compliant (Including Five year free maintenance with guarantee)	19	Ea	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
373	Supplying & erecting Philips Ahuja make or equivalent Amplifier having following specification: Power Output :250W (RMS) (300W Max.) inputs : 6 Misc. & 2 Aux. frequency Response :50-1500HZ I3db Tone Controls :Cut & Boost type LED Meter :5 LED Arrays The amplifier suitable to operate 240V A.C.& 24volt D.C. (Battery) with automatic changeover from AC to Battery operation, duly protected by wrong Battery Polarity connections.	2	Ea	0.00	0.00
374	Supplying & erecting recess wall mounting speaker with 5W rated input power 3.3 K. Ohms / 3W impedance, 100 - 10000 Hz frequency response with 6 inch dia. cone type 8 ohms speakers duly fitted in ABS plastic cabinet of colour match with wall or ceiling of following size. (a)Round Shaped, 230mm dia. Speaker	32	EA	0.00	0.00
375	Supplying and drawing of Speaker cable PVC insulated copper conductor cable in the existing surface / recessed steel conduit of following pairs, cores and size including connections and interconnections etc. as required. (B)Speaker cable Two pair, 2-core, 1.5 sqmm	600	Mtr	0.00	0.00
376	Supplying, erecting & testing Approved make Microphone for announcement, speech & general P.A. application with frequency response of 150 - 10000 Hz having sensitivity 2mv/Pa, & impedance 600 Ohms supplied with quick detachable holder, 6 mtr twin core cable & PCIM / MCIF connector.	2	Ea	0.00	0.00
377	AIR CONDITIONING SYSTEM: OUTDOOR UNIT: Supply Installation, Testing & Commissioning of modular type Variable Refrigerant Volume air cooled Outdoor units suitable for cooling and heating, having all hermetically sealed inverter type Scroll Compressor(s), microprocessor based Controller, top discharge type condensing unit(s), with R410 A Refrigerant (Or Eco Friendly Green Gas if any), vibration isolators, with suitable foundation, MS Stand for Unit with necessary paint etc. complete as required. The unit shall deliver the rated capacity at AHRI Conditions and work even at 50°C ambient temperature without tripping. The unit shall be suitable to work on 400V +/- 10%, 3 Phase, 50Hz AC power supply. The unit shall be filled with first charge of the refrigerant and ready for use as required. The COP at AHRI conditions shall not be less than 3.1 and IEER not less than 6.5. (Design should be got approval before execution from engineer in charge)	100	Per Hp	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
378	INDOOR UNIT-CASSETTE TYPE: Supply, installation, testing and commissioning of following minimum capacity 4-way/2 way/radial flow as per approval VRV Cassette Type Indoor ceiling mounted unit equipped with synthetic washable media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX Copper coil, electronic expansion valve, outer cabinet, drain pump, grill, necessary supports, vibration isolation, cord less remote control etc., suitable for operation on single phase 230 V ± 10%, 50Hz AC supply, max noise level 60dB @ 400 cfm per TR(minimum) complete, as required. The unit shall have automatic force shut down provision in case of fire on receiving signal from BMS System. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature fresh air provision compatible for Remote Operation System (E) 2 TR	2	Ea.	0.00	0.00
379	(F) 2.4 TR	5	Ea.	0.00	0.00
380	(H) 3.2 TR	3	Ea.	0.00	0.00
381	(J) 4 TR	1	Ea.	0.00	0.00
382	Supply, installation, testing and commissioning of following minimum capacity VRV High wall type Indoor unit equipped with washable synthetic media pre-filter, fan section with noise level maximum 60 dB @min 400 cfm /dynamically balanced blower, multispeed motor, coil section with DX copper coil, electronic expansion valve, outer cabinet, cord less remote control, drain pan, necessary accessories etc., suitable for operation on 230 V ± 10%, 50 Hz, single phase AC supply, complete as required. The unit shall have automatic force shut down provision in case of fire on receiving signal from BMS System. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature. (D) 1.65 TR	4	Ea	0.00	0.00
383	(E) 2 TR	23	Ea	0.00	0.00
384	Supply installation testing commissioning Shielded Shielded Control Cables for VRV System with necessary ISI mark Medium class rigid PVC pipes with necessary accessories with termination in machine and control equipments. (A) 2C X 1.5 Sq mm Shielded Armoured	950	Mtr.	0.00	0.00
385	Central Control System (B) Central wired Remote Control System	100	Per HP	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
386	Supply, Installation, testing and commissioning including vaccumiazation and Nitrogen testing of following nominal sizes of soft/hard drawn copper refrigerant piping for VRV system, complete with fittings, with suitable adjustable ring type hanger supports, jointing/brazing including accessories, insulated with XPLE Class-0 tubular insulation/with Class-0 closed cell elastometric nitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquid lines, all accessories as per specifications etc with necessary refrigerant joints including Refnet Joints, Termination as required at site.	1	Job	0.00	0.00
387	Supply, Installation, testing and commissioning including vaccumiazation and Nitrogen testing of following nominal sizes of soft/hard drawn copper refrigerant piping for VRV system, complete with fittings, with suitable adjustable ring type hanger supports, jointing/brazing including accessories, insulated with XPLE Class-0 tubular insulation/with Class-0 closed cell elastometric nitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquid lines, all accessories as per specifications etc with necessary refrigerant joints including Refnet Joints, Termination as required at site.	1	Job	0.00	0.00
388	Rigid UPVC drain pipe of 10 Kg/cm2. rating with 9 mm thick.nitrile rubber insulation. (B) 40 mm dia.	20	Rmt.	0.00	0.00
389	Rigid UPVC drain pipe of 10 Kg/cm2. rating with 9 mm thick.nitrile rubber insulation. (C.) 32mm dia.	100	Rmt.	0.00	0.00
390	Rigid UPVC drain pipe of 10 Kg/cm2. rating with 9 mm thick.nitrile rubber insulation. (D) 25 mm dia.	150	Rmt.	0.00	0.00
391	Rigid UPVC drain pipe of 10 Kg/cm2. rating with 9 mm thick.nitrile rubber insulation. (E) 19 mm dia.	700	Rmt.	0.00	0.00
392	Kitchen Equipments: SS TWO BR. GAS RANGE WITH 1 U/S : CI JALI-350 x 350 mm SIZE (mm): 1125 x 600 x 850 + 150 Design, Supply, Installation, testing & commissioning of Kitchen equipment. work complete Including all type of materials, fittings, accessories ,tools, tackles, all labour, transportation, loading, unloading, cleaning, surface preparation, placing at all floor, all level, all depth, all Height, all lead and lift etc. work complete as per the drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. The bidder shall submit warranty /guarantee certificate for the whole work. The Bidder shall obtain approval from the Client/Consultant for the manufacturer of Kitchen Equipment before placing the order. stainless steel is specified it shall be what is known to the trade as Austenitic 18-B type 304, 2B finish, with content from 17% to 19% chrome, 7 % to 9% nickle and a maximum carbon content of 0.11.	3	Nos	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
393	<p>Kitchen Equipments:SS DOSA HOT PLATE WITH 1 U/S : SIZE (mm): 600 x 600 x 800</p> <p>Design, Supply, Installation, testing &amp; commissioning of Kitchen equipment. work complete Including all type of materials, fittings, accessories ,tools, tackles, all labour, transportation, loading, unloading, cleaning, surface preparation, placing at all floor, all level, all depth, all Height, all lead and lift etc. work complete as per the drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. The bidder shall submit warranty /guarantee certificate for the whole work.</p> <p>The Bidder shall obtain approval from the Client/Consultant for the manufacturer of Kitchen Equipment before placing the order. stainless steel is specified it shall be what is known to the trade as Austenitic 18-B type 304, 2B finish, with content from 17% to 19% chrome, 7 % to 9% nickle and a maximum carbon content of 0.11.</p>	1	Nos	0.00	0.00
394	<p>Kitchen Equipments: IDLI STEAMER CAP- 54 IDLIS : SIZE (mm): 425 x 375 x 725</p> <p>Design, Supply, Installation, testing &amp; commissioning of Kitchen equipment. work complete Including all type of materials, fittings, accessories ,tools, tackles, all labour, transportation, loading, unloading, cleaning, surface preparation, placing at all floor, all level, all depth, all Height, all lead and lift etc. work complete as per the drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. The bidder shall submit warranty /guarantee certificate for the whole work.</p> <p>The Bidder shall obtain approval from the Client/Consultant for the manufacturer of Kitchen Equipment before placing the order. stainless steel is specified it shall be what is known to the trade as Austenitic 18-B type 304, 2B finish, with content from 17% to 19% chrome, 7 % to 9% nickle and a maximum carbon content of 0.11.</p>	1	Nos	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
395	<p>Kitchen Equipments: SANDWICH GRILLER - JUMBO (4 JUMBOS CAP.) : SIZE (mm): 355 x 485 x 255                      Design, Supply, Installation, testing &amp; commissioning of Kitchen equipment. work complete Including all type of materials, fittings, accessories ,tools, tackles, all labour, transportation, loading, unloading, cleaning, surface preparation, placing at all floor, all level, all depth, all Height, all lead and lift etc. work complete as per the drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. The bidder shall submit warranty /guarantee certificate for the whole work.</p> <p>The Bidder shall obtain approval from the Client/Consultant for the manufacturer of Kitchen Equipment before placing the order. stainless steel is specified it shall be what is known to the trade as Austenitic 18-B type 304, 2B finish, with content from 17% to 19% chrome, 7 % to 9% nickle and a maximum carbon content of 0.11.</p>	2	Nos	0.00	0.00
396	<p>Kitchen Equipments: POP-UP TOASTER SIZE (mm) - POP-06                      Design, Supply, Installation, testing &amp; commissioning of Kitchen equipment. work complete Including all type of materials, fittings, accessories ,tools, tackles, all labour, transportation, loading, unloading, cleaning, surface preparation, placing at all floor, all level, all depth, all Height, all lead and lift etc. work complete as per the drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. The bidder shall submit warranty /guarantee certificate for the whole work.</p> <p>The Bidder shall obtain approval from the Client/Consultant for the manufacturer of Kitchen Equipment before placing the order. stainless steel is specified it shall be what is known to the trade as Austenitic 18-B type 304, 2B finish, with content from 17% to 19% chrome, 7 % to 9% nickle and a maximum carbon content of 0.11.</p>	1	Nos	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
397	<p>Kitchen Equipments: POTATO PEELER -STD SIZE (mm): 825 x 550 x 750 Design, Supply, Installation, testing &amp; commissioning of Kitchen equipment. work complete Including all type of materials, fittings, accessories ,tools, tackles, all labour, transportation, loading, unloading, cleaning, surface preparation, placing at all floor, all level, all depth, all Height, all lead and lift etc. work complete as per the drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. The bidder shall submit warranty /guarantee certificate for the whole work.</p> <p>The Bidder shall obtain approval from the Client/Consultant for the manufacturer of Kitchen Equipment before placing the order. stainless steel is specified it shall be what is known to the trade as Austenitic 18-B type 304, 2B finish, with content from 17% to 19% chrome, 7 % to 9% nickle and a maximum carbon content of 0.11.</p>	2	Nos	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
398	<p><b>Gypsum MR grade Ceiling :</b> M/F Suspended MR Ceiling includes Gypserra™ Perimeter Channel {Material-GI(IS513),YS-260Mpa,Finish-Galvanised 150GSM(IS27 )} is fixed along the perimeter of existing wall/ partition with the help of HILTI HPS - 1 (6x40) impact anchor, at 600mm centres. Gypserra™ Ceiling Angle {Material-GI(IS513),YS-260Mpa,Finish-Galvanised 150GSM(IS277)} is suspended by fixing it to the Gyproc® soffit cleat {GI(IS513)YS-260Mpa,Finish-Galvanised 150GSM(IS277) }. Soffit Cleat and Gyproc® Rawl Plug- Ø8x45mm {Material-IS 513 CR2 grade, Zinc coating (7 to 8 microns) pull out load- 6.8kN for M30 concrete grade} creating 1220mm x 1220mm grid. Gypserra™ Intermediate channel {Material-GI(IS513),YS-260Mpa,Finish-Galvanised 150GSM(IS277) } is fixed to the Gypserra™ Ceiling Angle with M6 x 12mm Hex Bolt &amp; Hex Nut arrangement {Material-As per EN 10083 Finish – Zinc Plating} or with 2 Nos of Ø4.2x13 Gyproc® metal to metal screw {Material-Carbon steel EN-ISO 7049/50 Finish- Zinc Coating Thickness- 4.14micron.} The Gypserra™ Ceiling Section {Material-GI(IS513),YS-260Mpa,Finish-Galvanised 150GSM(IS277)} is then fixed to the Gypserra™ Intermediate Channel {Material-GI(IS513),YS-260Mpa,Finish-Galvanised 150GSM(IS277)} with the help of Gyproc® Connecting Clip {Material-High carbon spring steel wire(BS970Gr.En42)-46-48HRC,Finish-Zinc plating 4-6 micron} and in direction perpendicular to the Intermediate channel at 457mm c/c. Single layer of 12.5mm tapered edge Gyproc® MR (conforming to IS 2095 Part 1:2011/ EN 520:2004, Type-A &amp; H1/ASTM C1396) is then screw fixed to ceiling section with 25mm drywall screws {Material-Carbon steel EN-ISO 7049/50,Finish-Case hardened Grey Phosphating} at 230mm centres on ceiling section &amp; 150mm at periphery of ceiling. Finally square and tapered edges of the boards are to be jointed and finished so as to have a flush look which includes filling and finishing with Gyproc® Pro-Fill Jointing compound (Conforms to ASTM C475), Gyproc® Joint Paper tape. Serrated section has effective thickness of 2T ( 2xdepth), better load carrying capacity, enhanced screw retention, Improved acoustic performance &amp; fire resistance as compared to plain steel section. All Gypserra™ metal components are patent applied for.(Application No. 201741018271) The item includes providing and fixing trap door of size 600 X 1200 mm as per approved sample of Ceiling panels comprise of a powder-coated beaded steel frame with gypsum / plywood board door. Each panel features a push- latch closing mechanism with door retaining safety cable &amp; hook.Suspenders from ceiling to support the frame and trap door firmly along with necessary hilti fastner, cleats, screws, angles, packing, , safety measures etc. complete work. Necessary cutting / providing openings in the ceiling for AC fixtures, grills, electrical fittings, or other utility services, hatch openings etc. shall be provided by the Contractor and cost of making such modifications shall be included in the price.</p>	2530.00	Sq.mt	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
399	<p><b>Wooden ceiling finish with Veneer :</b>  Providing and fixing IS 710 12 mm thick Marine plywood false ceiling as per drawing , instruction , sample approved &amp; complete with Aluminium anodised section size 50x50x1.5 mm &amp; 25x50x1.5 mm / GI frame work. the frame work fixed as per drawing @ 600 mm c/c. finish with 4 mm thick Veneer with matt finish monocoat polish. Rate shall inclusive cost of making of all cutouts for light fixtures, gadgets, gizmo, pelmets, grooves, CNC engraving , beads and also provide support/template where ever required.The rate shall be in sq.mt for all floors and at all heights including all costs . (or a sample mock of 5 Sqm minimum of the frame work and ceiling) shall be approved from Architect. 5mm Groove shall be provided at the junction of the false ceiling &amp; the wall. ( considering all levels with require all Framing work and fitting from RCC slab to false ceiling level).Basic rate of teak Veneer 120/Sqft</p>	25.00	Sq.mt	0.00	0.00
400	<p><b>Thin Profile Glass Partition:</b> Providing &amp; Fixing of STL45 ie.Single glazed modular system consist of Aluminium section of 25*45*2.5 mm thick. All sections duly powder coated with 6063-T6 grade and required accessories ie glass to glass aluminium I sections, T section &amp; 90 degree sections &amp; Glass packing to adjust the floor level. Ceiling profile, Floor profile and wall profile are 25 mm visible face and 45 mm wide with 10mm toughen glass as per approved make &amp; insertion of Thermoplastic gasket to adhere the glass firm &amp; airtight.The sound reduction Value is from 32 to 35 Db.With 6 mm Groove inbuilt in system to accomodate the carpet &amp; the uneven surfaces. Accessories/Hardware: neutral cure glazed &amp; metal silicon sealant of approved make on the periphery of the glass &amp; wood etc.</p> <p>Partition ht will be measured from finish floor to false ceiling level only. The rate shall be in sq.mt for all floors and at all heights including all costs. Glass width size shall be as per sugestion by EIC. Work complete including all type of material, fittings, fixtures, Finish, safety measures, loading, unloading, transporation, all leads, accessories, sample mockup, all floor, all levels, all heights etc. complete as per detailed drawings, specifications &amp; instruction of Client/EIC.</p>	176.00	Sq.mt	0.00	0.00
<b>Total Amount</b>					<b>0.00</b>

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
I	<b>Part-9</b>				
401	<p><b>Thin Profile Double leaf glass door :</b>  Supply &amp; Installation of Modular Aluminium Glass door frame of Kubik or equivalent make 45mm System, Using KOPS 001 &amp; KOPS DF 103 ( 45mm x 25mm) for Glass door frame  Doorframe Dimension – 45mm x 25mm.  Finish – SILVER finish / Powder coating as per approved sample by Architect  10mm thk. clear toughened Glass  KUBIK Glass Hinge, HAFELE Open Door closer with saddle plate, KUBIK Mortise lock with handle, KUBIK Door stoper  Item includes all necessary fitting / fixing, fixtures of approved make complete as per specification, drawing, approval and instructions of the Architect/Client. Rate shall be inclusive of all material loading unloading at all height and all floor. Sample mock shall be approved from Architect/Client.</p>	16.00	Sq.mt	0.00	0.00
402	<p><b>Thin Profile Single leaf Glass Door:</b>  Supply &amp; Installation of Modular Aluminium Glass door frame of Kubik or equivalent make 45mm System, Using KOPS 001 &amp; KOPS DF 103 ( 45mm x 25mm) for Glass door frame  Doorframe Dimension – 45mm x 25mm.  Finish – SILVER finish / Powder coating as per approved sample by Architect  10mm thk. clear toughened Glass  KUBIK Glass Hinge , HAFELE Open Door closer with saddle plate , KUBIK Mortise lock with handle , KUBIK Door stoper. Item includes all necessary fitting / fixing, fixtures of approved make complete as per specification, drawing, approval and instructions of the Architect/Client. Rate shall be inclusive of all material loading unloading at all height and all floor. Sample mock shall be approved from Architect/Client.</p>	41.00	Sq.mt	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
403	<b>Frosted sparkling glass film (Colour film)</b> : Providing and fixing frosted glass film of approved make Translucent, cast PVC, self-adhesive vinyl, special CRYSTAL-effect film to reproduce Sand-blasting effect on glass with customised designs. MCS warranty of 3 (if exposed to direct sunlight) to 10yrs (indoors) must be endorsed by manufacturer. Rate shall be inclusive plotter cutting design as per Architect/Client suggestion. Contractor shall provide shop drawing for approval of Architect/Client.work complete incuding all type of tools, tackles, scaffolding etc complete as per suggestion of Architect/Client. If in case any application finishing will not as per satisfaction contractor shall remove all film at their cost. Contractor shall do a sample mock of 5 Sqm minimum of glass film), shall be approved from Architect/Client.	114.00	Sq.mt	0.00	0.00
404	<b>Alluminium Skirting</b> : Providing and Fixing ofAluminium Skirting as per approved make having width of 75 MM X thickness of 2mm made out of 6063 Grade Aluminium alloy duly powder coated as desired in the Ral Colour code decided by the architect having neat screw fixed arrangement with Rubber seal over it as per Manufacturers Specification. work complete as per the instruction of Architect. Rate shall inclusive of mock up sample, all materials, loading, unloading, transportation, placing at all floors and for all leads,all accessories as described in item description.	1187.00	Rmt	0.00	0.00
405	Clearing and grubbing road land including uprooting rank vegetation grass bushes, shrubs, sapling and trees girth removal of stumps of trees cut earlier and disposal of unserviceable materials (A) in area of light jungle	2.28	Hectare	0.00	0.00
406	Earthwork in excavation by mechanical means (All type of soil) for foundation, footings, walls, retaining walls, rafts, trenches, drains, lift pits, underground sumps, tank, septic tanks, soak well, Box cutting etc. including dewatering the sub-soil water from any source and rain water to keep the excavation dry, removal of slush, dressing of sides and ramming of bottoms, planking, shoring & strutting, removal & disposal of surplus excavated material with all lead & lift. including compaction by using mechanical plate compactor / vibro roller, finished to desire levels all as per excavation plan and foundation drawings to get Modified Proctor Density test (MPD) of 95%., work including mechanical transport inclusive of royalty, statutory fees all permissions & any other incidental expenses etc. complete. i) Up to 1.5 Mtr Depth	535.00	Cu.mt	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
407	Earthwork in excavation by mechanical means (All type of soil) for foundation, footings, walls, retaining walls, rafts, trenches, drains, lift pits, underground sumps, tank, septic tanks, soak well etc. including dewatering the sub-soil water from any source and rain water to keep the excavation dry, removal of slush, dressing of sides and ramming of bottoms, planking, shoring & strutting, removal & disposal of surplus excavated material with all lead & lift. including compaction by using mechanical plate compactor / vibro roller, finished to desire levels all as per excavation plan and foundation drawings to get Modified Proctor Density test (MPD) of 95%., work including mechanical transport inclusive of royalty, statutory fees all permissions & any other incidental expenses etc. complete. ii) 1.50 mtrs to 3.00 mtrs. depth	9.00	Cu.mt	0.00	0.00
408	Filling available excavated earth in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering. Rate to include cost of compaction to achieve at least 95% Proctor Density of refilled excavated earth.Work shall complete as per the instruction of EIC. work complete including all type of tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc complete as per instruction of Architect/EIC.	327.00	Cu.mt	0.00	0.00
409	Earth Filling with murrum or approved quality earth in below flooring, sides of foundation, retaining wall, trenches, lift pits elsewhere directed in layers of not exceeding 150 mm thick including breaking clods, watering, compacting each layer with vibratory compactor and at inaccessible places with wooden/steel rammers to achieve 90-95% proctor density at optimum moisture content, all leads & lifts. Bailing/pumping out of water to keep site dry while back filling ,Cost shall include conveyance of all materials, labor, machinery etc. complete(only good yellow soil/ muurum to be used for filling) Work shall complete as per the instruction of EIC. work complete including all type of tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc complete as per instruction of Architect/EIC.	16055.00	Cu.mt	0.00	0.00
410	Filling in plinth with sand under floors including watering ramming, consolidating and dressing complete. work complete including all type of tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc complete as per instruction of Architect/EIC.	57.00	Cu.mt	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
411	Providing & doing 230 thk. dry rubble stone packing under floor, foundation, steps, ramps, road & other similar locations, hand set vertically in regular lines, interstices filled in with smaller stone chips including watering & consolidating & finishing to the required levels & lines etc. with the use of 10 ton roller on with mechanical rammer & with manual tamping only at location where mechanical rammer cannot be moved complete as directed. (Binding layer shall be of metal and voids to be filled with sand/murrum) Work shall complete as per the instruction of EIC.	5.00	Cu.mt	0.00	0.00
412	Providing and laying cement concrete 1:4:8 (1- Cement : 4- coarse sand : 8- hand broken stone aggregates 40 mm nominal size) and curing complete. including mixing laying, vibrating, consolidating, leveling and curing etc. complete with all labours and materials with formwork. The item includes finishing the top surface with trowel. Work complete including all type of tools, tackles, labours, formwork, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc complete as per instruction of Architect/EIC. (A) Foundation and Plinth	1.00	Cu.mt	0.00	0.00
413	Providing and laying cement concrete 1:3:6 (1- Cement : 3- coarse sand : 6- hand broken stone aggregates 40 mm nominal size) and curing complete including mixing laying, vibrating, consolidating, leveling and curing etc. complete with all labours and materials with formwork. The item includes finishing the top surface with trowel. Work complete including all type of tools, tackles, labours, formwork, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc complete as per instruction of Architect/EIC. (A) Foundation and Plinth	55.00	Cu.mt	0.00	0.00
414	Providing and laying controlled cement concrete M.250 and curing complete. including mixing laying, vibrating, consolidating, leveling and curing etc. complete with all labours and materials with formwork. The item includes finishing the top surface with trowel, necessary admixtures etc. Work complete including all type of tools, tackles, labours, formwork, safety measures, loading, unloading, transportation, at all floors, all heights, all levels, all leads and lifts etc complete as per instruction of Architect/EIC. (excluding the cost of reinforcement) (A) Foundations, footings, Base of columns and Mass concrete.	76.00	Cu.mt	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
415	Providing and laying controlled cement concrete M.250 and curing complete. including mixing laying, vibrating, consolidating, leveling and curing etc. complete with all labours and materials with formwork. The item includes finishing the top surface with trowel, necessary admixtures etc. Work complete including all type of tools, tackles, labours, formwork, safety measures, loading, unloading, transportation, at all floors, all heights, all levels, all leads and lifts etc complete as per instruction of Architect/EIC. (excluding the cost of reinforcement) (C) Slabs, landing, shelves, Balconies, Lintels, Beams, Girders and Cantilever upto floor two level.	96.00	Cu.mt	0.00	0.00
416	Providing and laying controlled cement concrete M.250 and curing complete. including mixing laying, vibrating, consolidating, leveling and curing etc. complete with all labours and materials with formwork. The item includes finishing the top surface with trowel, necessary admixtures etc. Work complete including all type of tools, tackles, labours, formwork, safety measures, loading, unloading, transportation, at all floors, all heights, all levels, all leads and lifts etc complete as per instruction of Architect/EIC. (excluding the cost of reinforcement) (D) Columns, Pillars posts and struts, upto floor two level.	12.00	Cu.mt	0.00	0.00
417	TMT Bars: Providing, straightening, cutting, bending, binding and laying in position of TMT FE 500/500D grade steel reinforcement confirming to IS 1786 : 1990 or latest code, to correct all shape and size as per detailed drawings, specifications for all RCC work etc, at all levels and all heights with necessary chairs and laps; with correct size PVC cover blocks or approved quality concrete cover blocks of same grade of concrete and binding wire of 18 gauge etc. complete with test certificate of the steel bars from manufactures as well as approved laboratory test certificates directed by Engineer in charge, etc. complete. Rate shall be inclusive of binding wire, cover, lap, chair etc. Work shall complete up to any levels, all floor & as per the instruction of EIC.	20046.00	kg	0.00	0.00
418	Form work: Providing and erecting in position form work shuttering & boxing using steel / plywood / props / bracing / scaffolding / ledges and other shuttering materials of approved quality for concrete elements vertical, horizontal or inclined etc. in all shapes as per drawing including necessary scaffolding, bolts/nuts, fastener nails, wires for keeping in position till concrete is laid and concrete have acquired required strength, removal thereafter, applying shuttering oil, hacking etc. in line, level and plumb, all complete as per specification or as directed. At all levels below ground level and up to highest plinth level for all concrete elements of linear shape, size & direction etc., work shall complete up to any levels, all floor & as per the instruction of EIC.	10.00	Sq.mt	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
419	Precast concrete block masonry (including quoin blocks jamb blocks closer etc.) with solid concrete blocks of approved size made of cement concrete 1:3:6 mix (1- Cement : 3 coarse sand: 6- graded stone aggregates of 20 mm and down grade) in foundation and plinth cement mortar 1:6 Including all type of material, labour, tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels, all leads and lifts etc complete as per instruction of Architect/EIC.	132.00	Cu.mt	0.00	0.00
420	Providing and laying Half brick masonry in common burnt clay building bricks having crushing strength not less than 35 Kg./Sq. Cm. in cement mortar 1:4 (1 cement : 4 coarse sand) in superstructure - at all floor levels including proper filling of all masonry joints, curing etc. complete. Work complete including all type of tools, tackles, scaffolding etc complete as per instruction of Architect/ EIC. The rate includes providing and placing in position 2 Nos 6 mm dia bars at every third course of masonry work.	6.00	Sq.mt	0.00	0.00
421	15 mm thick cement plaster : Providing and laying average 15 mm. thick single coat smooth finishing using steel float (mala finish) plaster in CM 1:4 (1 cement : 4 coarse river sand), on brickwork, RCC work, blocks, sills, soffits, jambs etc. at all floors, all levels, all heights, all shapes and for all sizes with necessary scaffolding, curing, chicken mesh at the junction of masonry & RCC work using screw / dhoba nails, making moulded, grooves, drip moulds, tapak, chemical bonding agent etc., for all lead, lift, height and levels etc., complete as per specification and as directed by the EIC. including all type of material, labour, tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels, all leads and lifts etc complete as per instruction of Architect/EIC.	144.00	Sq.mt	0.00	0.00
422	20 mm thick Sand Faced Plaster: Providing and applying 20mm thick sand faced plaster (Using Wooden Gutka/Float) to all external surfaces at all levels and in any shape, in two coats, 12 mm thick average base coat in cement mortar 1:5 and 8mm thick finish coat in cement mortar 1:2 using fine sand for finish coat, including preparation of surface to uniform texture, staging, double scaffolding, curing, chicken mesh at the junction of masonry & RCC work using screw / dhoba nails, making moulded, grooves, drip moulds, tapak etc., complete as per specification and as directed by the EIC. including all type of material, labour, tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels, all leads and lifts etc complete as per instruction of Architect/EIC.	333.00	Sq.mt	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
423	Applying two coats of Birla (white cement based) or Asian (acrylic lapy- putty) or equivalent & two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth. including all type of material, labour, tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels, all leads and lifts etc complete as per instruction of Architect/EIC.	215.00	Sq.mt	0.00	0.00
424	Interior paint for wall & Ceiling: wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including throughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth. Including cost of all type of tools, tackles, all labour, materials, transportation, cleaning , at all floor, all level, all depth, all Height, all lead and lift , performance waranty certificate etc. work complete as per the detailed drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.	215.00	Sq.mt	0.00	0.00
425	Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials. etc complete	1058.00	Sq.mt	0.00	0.00
426	Carring out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistment with I.S.I specification. Using Chlordene and Chiorpurfiles 20 EC. As Per 6131_paret-II Consentration Weight one percent is recommended i.e one litre 20 EC chemical emulsion with 19 liter give 1 % concentration inclusive of one litre chemical emulsion appication at the rate of 5 Litre chemical / Sqm of surface is recommended as per I.S.  The whole work is to be executed through specialized agency with a guarantee of 5 (Five) years given on a prescribed proforma duly stamped. The termite control treatment work 10% will be retained from the billing amount for 5 years (without interest). The amount shall be refunded after Five years without interest. work complete including all type of tools , tackles, scaffolding, safety measures etc complete at any level and height. work complete as per the instuction of EIC/Architect. Including cost of all type of tools, tackles, all labour, materials, scaffolding, safety measures, loading, unloading, transportation, cleaning, at all floor, all level, all depth, all Height, all lead and lift etc. complete as per instruction of Architect/EIC. work complete as per the detailed drawing, approved sample, specifications and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.	10.00	Sq.mt	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
427	<p>Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: (a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineerin-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand ) admixed with water proofing compound conforming to IS : 2645 and approved by Engineerin- charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. (c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. "All above operations to be done in order and as directed and specified by the Engineer-in-Charge : With average thickness of 120 mm and minimum thickness at khurra as 65 mm.</p>	58.00	Sqm	0.00	0.00
428	<p>Providing and laying broken chine mosaic flooring for terrace using 12 mm to 20 mm broken pieces of glazed tiles to be laid over cement mortar 1:3 to plain or slope and to be tempered to bring mortar creme out upto surface using white cement including rounding off junctions and extending them upto 15 cm along the wall,clearing with water and oxalic acid etc. as directed. Including cost of all labour, materials, safety measures, loading, unloading, transportation, cleaning, at all floor, all level, all depth, all Height, all lead and lift etc. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.</p>	58.00	Sqm	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
429	Providing and laying polished Kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6- coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. Including cost of all labour, materials, safety measures, loading, unloading, transportation, cleaning, at all floor, all level, all depth, all Height, all lead and lift etc. complete as per instruction of Architect/EIC. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. (A) 25mm thick	1.00	Sqm	0.00	0.00
430	Providing and laying polished kota stone slab 25mm thick in risers of steps,skirting Dedo and pillars laid on 10mm thick cement mortar 1:3 (1-Cement : 3 coarse sand) and jointed with gray cement slury mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. Including cost of all labour, materials, safety measures, loading, unloading, transportation, cleaning, at all floor, all level, all depth, all Height, all lead and lift etc. complete as per instruction of Architect/EIC. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC.	6.00	Sqm	0.00	0.00
431	Providing and fixing 24" x 24" vitrified 8 to 10 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 (1 cement: 6 coarse sand) on new surface or fixing flooring by adhesive material and jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete for antiskit. work complete Including cost of all labour, materials, safety measures, loading, unloading, transportation, cleaning, at all floor, all level, all depth, all Height, all lead and lift etc. complete as per instruction of Architect/EIC. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. Basic rate of Granite 35/ Sq.ft	10.00	Sq.mt	0.00	0.00
432	Providing and laying Vitrified tiles 8 to 10 mm thick , in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry. work complete Including cost of all labour, materials, safety measures, loading, unloading, transportation, cleaning, at all floor, all level, all depth, all Height, all lead and lift etc. complete as per instruction of Architect/EIC. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. Basic rate of Granite 40/ Sq.ft	2.00	Sq.mt	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
433	Single Leaf Flush Door finish with laminate : Providing and fixing in position 35 mm thick BWP grade single leaf flush doors of approved make and finished with both side 1 mm thick laminate as approved sample. including Hardware system of SS 304 Grade like Hinges, Mortise lock with knob, door closer, door stopper etc. as per approved make & Sample. work complete including all type of hardware, fittings, fixtures as per instruction of Client/ Architect etc. work completed including mock up sample, all materials, loading, unloading, transportation, placing at all floors and for all leads, at all floors, all levels, all heights and all shapes, all accessorie, protection sheet etc. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. Equivalent to VNR Series Laminate. (Note: Door opening area shall be measured for payment. No extra payment shall be paid) Basic rate of VNR Laminate is 45 Sq.ft	3.00	Sq.mt	0.00	0.00
434	Two track sliding window : Domal section : 27x65 mm series Supply & Fixing of Aluminium sliding window with powder coated as per by approved make & sample by architect/EIC. Track section: 45 x 45 x 1.5 mm, Shutter section : 27x 65 x 1.4 mm, Glass : 5 mm thick reflective toughened glass Work including Trolley Wheel (Bearing), EPDM Gasket, Woolen In Shutter, Concealed Lock, Anti Rattling Guide, Lock Guide, handle Antilifting, Shutter Corner Clit, Shutter wing Connector, Interlock EPDM Gasket, Interlock Guide, Anti Capillary Pad, Bush Bottom silicon all side & All Necessary Hardware etc. complete as per detailed drawings, mock sample and specifications.	7.00	Sqm	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
435	<p>Aluminium Fins (Elevation): Supplying and Installing of METALIUMTM make U- Shaped Baffle 100*50*100mm (50mm gap) Galvanized Steel 0.50mm TCT plain wooden powder coating on visible surface of Panel and supporting structure in black color Exterior Louver System.</p> <p>Panel (Galvanized Steel): Metalium make square edge P-50 series panels, 100 * 50 * 100 mm&amp; 0.50 mm TCT Galvanized Steel. Panel length is up to approx. 3 mtr. Panels shall be wooden powder coated on visible surface with special Exterior Grade powder to enhance property of Fadedness Resistivity.</p> <p>P-50 Carrier (U Shaped): Black enameled Galvanized Steel Carrier of 20mm wide at bottom x 39mm deep x 0.6 mm thick in a standard length of 8' with cutouts to hold the panel in a module of 100 mm centre to centre at a distance of 1 mtr. Carrier and suitable structure shall be powder / coil coated on exterior face to enhance properties of Fadedness and corrosion resistivity.</p> <p>Installation Details: GS Clit shall be fixed on vertical columns with dash fasteners at distance not more than 1 mtr. Centre to centre on which Tubular Stud sections will be laid with corrosion proof screws and on this rigid structure carrier shall be fixed vertically / horizontally at distance of 1 mtr. Centre to centre. Panel shall be clipped to carriers. Rate shall inclusive of mock up sample, all materials, loading, unloading, transportation, placing at all floors and for all leads, all accessorie , Scaffolding etc as described in item description. Work complete as per the detailed drawing , mockup sample and instruction of Architect/Client.</p>	46.00	Sqm	0.00	0.00
436	<p><b>Fabricated work:</b> Providing Fabrication &amp; erection of steel structure as per drawings including materials, consisting of plates, rolled steel joists, channels, angles, chequered plates etc and also rectangular / square hollow steel sections, insert plates in RCC/Brickwork, anchor bolts for steel structure, sleeve pipes, anchor nuts, washers etc, straightening of raw steel if required, fabrication of steel structures with primer and minimum two coats of anti corrosive matt finish paint including preparation of supplementary sketches and detailed bill of materials supply of bolts, nuts, washers, shims, packs, putty. gas, welding electrodes and all other consumables, as required and carrying out surface preparation all complete. The scope includes loading, transportation ,unloading and delivery and erection site of all fabricated structures,, alignment and welding of all structures true to line, level, plumb and dimension, including rectification if any, splicing, site assembly all as per technical specifications and drawings, ,all complete.Contactror shall provide stability certificate for the fabrication structure. Rate inclusive of shop drawing.</p>	8885.00	KG	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
437	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 25x25 mm made of G.I. wire of dia 3 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge.	711.00	sqm	0.00	0.00
438	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length ( total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately). Work complete including all type of material, fittings, fixtures, Finish, loading , unloading, transporation, all leads,accessories, sample mockup, all floor, all levels, all heights etc complete as per drawings, specifications & instruction of Architect/EIC.	645.00	Mtr	0.00	0.00
439	<b>Signages Type 1 : 3D letters with LED</b> : Material : 3 mm thick exterior grade premium quality ACP sheet (0 .25 mm foil thickness) & and 3D Embossed virgin acrylic/aluminum letters as per approved make and sample by Architect/ Client. Led Light : Rishang(Korea) and SMPS as per approved make and sample by Architect/ Client. The rate shall be for complete item of Designing , providing , fixing & erection , inclusive of all material, labor, wastages, necessary tools & tackles, adhesives, required hardware/accessories , any type of framing work , engraving , required civil work with finishing , LED light . Work complete including all type of material, fittings, fixtures,Finish, loading , unloading, transporation, all leads ,accessories, sample mockup, all floor , all levels, all heights , etc complete as per drawings ,specifications & instruction of Architect/EIC.	7.00	Sqm	0.00	0.00
440	Box cutting the road surface to proper slope and camber for making a base for road work, paver or other similer work including dewatering the sub-soil water from any source and rain water to keep the excavation dry, removal of slush, dressing of sides and ramming of bottoms, planking, shoring & strutting, removal & disposal of surplus excavated material with all lead & lift. including compaction by using mechanical plate compactor / vibro roller, finished to desire levels all as per excavation plan and drawings to get Modified Proctor Density test (MPD) of 95%., work including mechanical transport inclusive of royalty, statutory fees all permissions & any other incidental expenses etc. complete.	1405.00	Cu.M	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
441	Earthwork for embankment including breaking clods, dressing with all lead and lift and including watering rolling and consolidation of subgrade in layers at O.M.C. to required dry density including filling the depression which occur during the process usin. work complete including all type of tools, tackles, safety measures, loading, unloading, transportation, labour, material, all heights, all levels etc complete as per instruction of Architect/EIC. work complete as per the instruction of EIC.	295.00	Cu.M	0.00	0.00
442	Providing and Spreading any thk. dry rubble stone packing ramps, road & other similar locations, hand set vertically in regular lines, interstices filled in with smaller stone chips including watering & consolidating & finishing to the required levels & lines etc. with the use of 10 ton roller on with mechanical rammer & with manual tampering only at location where mechanical rammer cannot be moved complete as directed. with Binding layer shall be of metal and voids to be filled with sand/ quarry spalls. work complete including loading, unloading, transportation, all heights, all levels, all lead & lift, tools, tackles, safety measures etc complete as per instruction of Architect/EIC. work complete as per the instruction of EIC. (3) Crushed stone aggregate for Hard Quality up to 63 mm stze	452.00	Cu.M	0.00	0.00
443	Filling in plinth with sand under floors including watering ramming, consolidating and dressing complete. work complete including all type of tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc complete as per instruction of Architect/EIC. (Raod work)	197.00	Cu.M	0.00	0.00
444	Rolling and consolidation of soling including filling in depression which occur during the process, with power roler 8 tonne to 12 tonne.	1966.00	Sqm	0.00	0.00
445	Providing and casting in situ controlled cement concrete M-150 for R.C.C. solid slab including centering, scaffolding, curing and finishing complete. work complete including all type of tools, tackles, formwork, safety measures, loading, unloading, transportation, labour, material, all heights, all levels etc complete as per instruction of Architect/EIC. work complete as per the instruction of EIC. (Road Work)	235.00	Cu.M	0.00	0.00
446	Providing and laying controlled cement concrete M.250 and curing complete. including mixing laying, vibrating, consolidating, leveling and curing etc. complete with all labours and materials with formwork. The item includes finishing the top surface with trowel, necessary admixtures etc. Work complete including all type of tools, tackles, labours, formwork, safety measures, loading, unloading, transportation, at all floors, all heights, all levels, all leads and lifts etc complete as per instruction of Architect/EIC. (excluding the cost of reinforcement) for Road work	281.00	Cu.M	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
447	TMT Bars: Providing, straightening, cutting, bending, binding and laying in position of TMT FE 500/500D grade steel reinforcement confirming to IS 1786 : 1990 or latest code, to correct all shape and size as per detailed drawings, specifications for all RCC work etc, at all levels and all heights with necessary chairs and laps; with correct size PVC cover blocks or approved quality concrete cover blocks of same grade of concrete and binding wire of 18 gauge etc. complete with test certificate of the steel bars from manufactures as well as approved laboratory test certificates directed by Engineer in charge, etc. complete. Rate shall be inclusive of binding wire, cover, lap, chair etc. Work shall complete up to any levels, all floor & as per the instruction of EIC. (A) Solid Slab (Road work)	11.30	MT	0.00	0.00
448	Trimix flooring: Compaction and finishing of concrete road road by trimix process By using needle and vaccume dewatering serivce ,vaccum dewatering pump Flotter,Surface vibrator ,finishing with required texture, C channel , curing, making provision for contraction/expansion, construction & longitudinal joints by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of Engineer-in-charge. work complete including all type of tools, tackles, formwork, safety measures, loading, unloading, transportation, labour, material, all heights, all levels etc complete as per instruction of Architect/EIC. work complete as per the instruction of EIC.	1872.00	Sqm	0.00	0.00
449	Providing and fixing pre-cast Rubber Dye / steel Dye inter locking concrete block 60mm thick with grade of concrete M300 pneumatic compressed / vibrated mechanically and as per approved design Confirming to IS 15658 : 2006 including 35 mm Sand layer for levelling and filling the joint with sand in proper line and level as per guidlines of IRC : SP 63-2018 etc. Complete. work complete including all type of tools, tackles, formwork, safety measures, loading, unloading, transportation, labour, material, all heights, all levels etc complete as per instruction of Architect/EIC. work complete as per the instruction of EIC.	358.00	Sqm	0.00	0.00
450	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm length,30cm height and 15cm thick of M250 grade concret as per approved design and including excavation for fixing in proper line and level,filling the joint with C:M 1:3 (1 cement:3 fine sand) etc complete. work complete including all type of tools, tackles, formwork, safety measures, loading, unloading, transportation, labour, material, all heights, all levels etc complete as per instruction of Architect/EIC. work complete as per the instruction of EIC.	777.00	Rmt	0.00	0.00
<b>Total Amount</b>					<b>0.00</b>

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
<b>J</b>	<b>Part-10</b>				
451	Paver Block: Laying and fixing of 60 mm thick, M40 grade cement concrete pavers blocks including 50 mm thick sand bedding and gap between blocks shall be filled with well sieved fine sand, compaction with vibratory plate compactors as per IRC:SP:63-2004, cleaning the top surface for any debris, block set. including materials, labours, tools, tackles and plants complete as per specifications and as directed by Engineer-In-Charge. Equivalent to Vyara Paver BEGANIT GREY DL R 60MM with minimum average 400 Kg/cm <sup>2</sup> compressive strength at 28 days. work complete including all type of tools, tackles, formwork, safety measures, loading, unloading, transportation, labour, material, all heights, all levels etc complete as per instruction of Architect/EIC. work complete as per the instruction of EIC.	25.00	Sqm	0.00	0.00
452	Informatory Signs :-Providing and fixing sign boards made out of 2mm aluminium sheet; size 80 x 60cms. rectangle as per the design of IRC-67-1977 pre treated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorised with retro reflective sheeting as per latest M.O.S.T. Specifications; 3.1m long stand post and frame fabricated from suitable size iron angle of 35 x 35 x 3mm 75x75x6mm as required; painted with best quality epoxy coatings in black and white bends. the details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60cms. for each leg. including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)	5.00	Each	0.00	0.00
453	STOP Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 90 cms Octagone as per design of IRC-67-2012. Pre treated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflective sheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.6mtr long stand post of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with best quality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	2.00	Each	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
454	<p>Parking Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size size 60 x 60cms. square plus 60 x 20cms rectangular additional plate as as per the design of IRC-67-2012. Pre treated with phospheting process &amp; acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.6mtr long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer &amp; a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting.</p>	2.00	Nos.	0.00	0.00
455	<p>Direction (Junction) Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 244x122 cms. rectangular as per design of IRC-67-2012. Pre treated with phospheting process &amp; acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflectivesheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 4.0mtr long (2 Nos.) stand post of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 50 x 50 x 5mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol foreach board shall be as per theinstruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer &amp; a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting</p>	5.00	Each	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
456	Place Identification Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 150x90 cms. rectangular as per design of IRC-67-2012. Pre treated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflectivesheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 4.0mtr long (2 Nos.) stand post of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol foreach board shall be as per theinstruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	2.00	Each	0.00	0.00
457	Village Name Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 90x60 cms. rectangular as per design of IRC-67-2012. Pre treated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ;reflectorised with Micro Prismatic Grade retro reflectivesheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.3mtr long stand post of 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol or inscription/letters / numerals for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg.including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (A) Class-C Type-11 Retro Reflective sheeting	1.00	Each	0.00	0.00
458	Trenching in ordinary soil up to a depth of 60 cm including removal and stacking of serviceable materials and then disposing of surplus soil, by spreading and neatly levelling with all lead and making up the trenched area to proper levels by filling with earth or earth mixed with sludge or / and manure before and after flooding trench with water (excluding cost of imported earth, sludge or manure).	2010.00	Cu.mt	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
459	Supplying and stacking of good earth at site. work complete including royalty, all type of tools, tackles, scaffolding, safety measures, loading, unloading, transportation, all heights, all levels, all lead & all lift etc complete as per instruction of Architect/EIC. (earth measured in stacks will be reduced by 20% for payment).	603.00	Cu.mt	0.00	0.00
460	Supplying and stacking at site dump manure from approved source, work complete including royalty, all type of tools, tackles, scaffolding, safety measures, loading, unloading, transportation, all heights, all levels, all lead & all lift etc complete as per instruction of Architect/EIC. (manure measured in stacks will be reduced by 8% for payment)	804.00	Cu.mt	0.00	0.00
461	Rough dressing the trenched ground including breaking clods. work complete including all type of tools, tackles, scaffolding, safety measures, loading, unloading, transportation, all heights, all levels, all lead & all lift etc complete as per instruction of Architect/EIC.	1913.70	Sq.mt	0.00	0.00
462	Uprooting weeds from the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation	1913.70	Sq.mt	0.00	0.00
463	Fine dressing of the ground.	1913.70	Sq.mt	0.00	0.00
464	Spreading of sludge, dump manure and/or good earth in required thickness as per direction of officer-in-charge (cost of sludge, dump manure and/ or good earth to be paid separately).	804.00	Cu.mt	0.00	0.00
465	Mixing earth and sludge or manure in the required proportion specified or directed by the Officer-in-charge	804.00	Cu.mt	0.00	0.00
466	Grassing with selection No. 1 truf grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn, free from weeds and fit for mowing including supplying good earth, if needed . With grass Turf	600.00	Sq.mt	0.00	0.00
467	Preparation of beds for hedging and shrubbery by excavating 60 cm deep and trenching the excavated base to a further depth of 30 cm, refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacked volume of earth after reduction by 20%: one part of stacked volume of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary, watering and finally fine dressing, leveling etc. including stacking and disposal of materials declared unserviceable and surplus earth by spreading and leveling as directed, within a lead of 50 m, lift up to 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately)	360.00	Cu.mt	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
468	Shrubs: Providing and planting the saplings of shrubs as per approved varieties sample by architect. complete as per detail specification. work complete including all labour, tools, tackles, maintenance with 30 days or more till the shrubs forms a thick etc.	300.00	Nos	0.00	0.00
469	Trees: Providing and planting the saplings of trees of approved varieties by Architect. complete as per detailed specification. work complete including all labour, tools, tackles, maintenance with 30 days or more till the tree forms a thick etc.	120.00	Nos	0.00	0.00
470	Bottle Palm :-Providing and planting the saplings of Palm tree of approved varieties by Architect. complete as per detailed specification. .Work complete including all labour , tools , tackles , maintenance with 30 days or more till the Palm tree forms a thick etc	80.00	Nos	0.00	0.00
471	Providing and fixing M.S. flat iron tree guard 60 cm dia and 2 m high, above ground consisting 4 nos 25 x 6 mm, 2.25 m long and 8 nos 25 x 3 mm 2 m long verticals M.S. flats, riveted to 3 nos 25 x 6 mm M.S. flat iron rings in two halves, fixing together at site with required six numbers of 8 mm dia and 30 mm long bolts, including painting two coats with synthetic enamel paint of approved brand and manufacture over a coat of primer. One name plate of 1 mm thick M.S. sheet of size 250x100 mm shall be welded to the tree guard near the middle height and lettered GMDC or any other approved name. The tree guard shall be suitably fixed to the ground by embedding four legs of tree guard in pits of suitable dia and to a depth of 25 cm, refilling the pits with soil and ramming, complete in all respect as per satisfaction and direction of Officer-in-charge.	80.00	Nos	0.00	0.00
<b>Total Amount</b>					<b>0.00</b>

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
<b>K</b>	<b>Part-11 ( Rate only item)</b>				
472	Filling, with good quality Cinder, as and where directed by the Architect & EIC, in sunk and other required area in layers of required thickness, including watering, ramming, consolidating well etc. complete, as directed. work complete including all type of tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels etc. All complete as per instruction of Architect/EIC.	R/o	Cu.mt	0.00	0.00
473	White Stone Bela mesonry block in course in superstructure with stone of approved quality in Lime Mortar 1:5 (1-Cement :5- course sand) including packing the joints etc. complete. Including all type of material, labour, tools, tackles, scaffolding, safety measures, loading, unloading, transportation, at all floors, all heights, all levels, all leads and lifts etc complete as per instruction of Architect/EIC.	R/o	Cu.mt	0.00	0.00
474	Gypsum Plaster for Saint Gobain Gyproc Elite MR (Moisture Resistant): Providing, preparing and applying 13 mm thick (average) premixed formulated one coat gypsum lightweight plaster Gyproc Elite MR having light weight aggregates of expanded Perlite and other special additives conforming to IS: 2547 both Part I & II - 1976 which is certified by Green Pro & GRIHA for green buildings and delivering a coverage of 21-22 sft/25kg bag @ avg thickness of 13 mm and having a setting time between 20 & 30 mins, having water absorption less than 10% as per DIN EN 520 applied directly on background such as brick/ block/ hacked RCC, on internal walls & ceiling at all floors and locations, finished in smooth line and level, free of undulations and cracks. also Provide of Gyproc Glass Fiber Mesh of 145 GSM, Mesh size of 5mm x 5mm with 0.15M (6 Inches) wide, for protection from formation of Cracks at joints of "Masonry (Brick or Blocks) & Concrete surfaces, Joint at sides of Doors & Windows, Plumbing Chasing, Electrical Conduits etc.	R/o	Sq.mt	0.00	0.00
475	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid or epoxy mortar adhesive and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing, edge finish, moulding, cutting etc. The rate includes machine cut edges of uniform thickness and beveling and mirror polishing of edges , anti skid grooving. work complete Including cost of all labour, materials, safety measures, loading, unloading, transportation, cleaning, at all floor, all level, all depth, all Height, all lead and lift etc. complete as per instruction of Architect/EIC. work complete as per the detailed drawing, approved sample and instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. Basic rate of Granite 150/ Sq.ft	R/o	Sq.mt	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
476	<p>Aluminium Fins/Louvers (Elevation): Supplying and Installing of METALIUMTM make U- Shaped Baffle 50*50*50mm (50mm gap) Galvanized Steel 0.50mm TCT plain wooden powder coating on visible surface of Panel and supporting structure in black color Exterior Louver System.</p> <p>Panel (Galvanized Steel): Metalium make square edge P-50 series panels, 50 * 50 * 50 mm&amp; 0.50 mm TCT Galvanized Steel. Panel length is up to approx. 3 mtr. Panels shall be wooden powder coated on visible surface with special Exterior Grade powder to enhance property of Fadedness Resistivity.</p> <p>P-50 Carrier (U Shaped): Black enameled Galvanized Steel Carrier of 20mm wide at bottom x 39mm deep x 0.6 mm thick in a standard length of 8' with cutouts to hold the panel in a module of 100 mm centre to centre at a distance of 1 mtr. Carrier and suitable structure shall be powder / coil coated on exterior face to enhance properties of Fadedness and corrosion resistivity.</p> <p>Installation Details: GS Clit shall be fixed on vertical columns with dash fasteners at distance not more than 1 mtr. Centre to centre on which Tubular Stud sections will be laid with corrosion proof screws and on this rigid structure carrier shall be fixed vertically / horizontally at distance of 1 mtr. Centre to centre. Panel shall be clipped to carriers. Rate shall inclusive of mock up sample, all materials, loading, unloading, transportation, placing at all floors and for all leads, all accessorie , Scaffolding etc as described in item description. Work complete as per the detailed drawing , mockup sample and instruction of Architect/Client.</p>	R/o	Sqm	0.00	0.00

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount
477	<p><b>Polycarbonate roofing : Roof Plan area shall be measured for measurement &amp; payment.:</b> Polycarbonate Roofing Sheet as per final approved drawing on M.S. Structure as per design submitted. Fabrication, Erection and Paint on M.S. Structure as per design finalized. Supply &amp; Installation of Standing Seam.</p> <p>Polycarbonate Roofing Sheet Specification:            Type of Roofing Sheet: Standing Seam Multiwall Modular Panel Sheet            Make: Coxwell Domes, Lexan,Sebic            Thickness: 10mm , UV Coating: Both Side            Paint Specification: 1 Coat epoxy coating and 2 Coat Enamel Paint of Make Asian / Burger            Framing work: 100 X 100 X 4.0 mm MS Truss, 60 x 40 x 2.6 mm MS frame, 200 x 200 x 12 mm M.S. PLATE, 12 mm M.S. PLATE or vendor provide shop drawing.            M.S. Pipe Make: Apollo / Asian            Including cost of all type of tools, tackles, scaffolding, all labour, materials, transportation, Finishing, all type of fabrication &amp; steel work with paint, accessories, silicon sealent. Work complete for at all floor, all level, all depth, all Height, all lead and lift etc. work complete as per the Detailed specification, shop drawing , approved sample, instruction of Architect/EIC. Sample mock shall be approved from Architect/EIC. Plan area shall be measured for payment.</p>	R/o	Sqm	0.00	0.00
478	<p>Providing &amp; erecting Fiber Optic SC/LC style fully loaded Patch Panel (FOPP), 19" Rack Mount with following nos of OM3 50/125µ Pigtailed as per ISO/IEC-11801-OM3 Pigtailed with SC/LC Type Connectors Pigtail Attenuation ≤0.3dB measured at 850nm Acc to IEC 61300-3-4 Method B Return Loss ≥ 30dB, in mated condition Pigtail Cable Information – Outer Jacket Diameter – 0.9mm, Outer Jacket Material – LSZH Shall have all accessories including coupler plates pre-loaded with duplex LC couplers (OM3), pigtailed for terminating fibers on the FOPP Shall be Front Patching Type, 1U high and rack mountable on standard 19" rack with mounting arrangements.(A) 12F Loaded with Coupler, Pigtail and Splice Trays</p>	R/o	Ea	0.00	0.00
479	<p>Supply, Installation, Testing and Commissioning of USB Full HD 1080p@30fps Web Camera, 1/3", 2.07MP sensor, 60 Degree FOV, built in Mic, 360 degree manual rotation, privacy shutter, MJPEG compression format, Auto Focus, Auto white balance &amp; other image processing algorithms, USB 2.0, BIS, CE,FCC, RoHS certified, (Including Five year free maintenance with guarantee)</p>	R/o	Ea	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
480	<p><b>Grid Ceiling:</b>Providing &amp; Fixing of Eco- Friendly Light weight Calcium Silicate Ceiling .Providing and Fixing False ceiling at all heights 100% Eco Friendly , Non Cementitious light weight calcium silicate false ceiling tiles having having 15 mm thick integral densified edges (for extra Strength ) reinforced with Eco-friendly fibres and natural filler with a eco-friendly recycled content of more than 50% ( For Green Building Leed Accreditation) . False ceiling tiles of Size 595x595 mm of approved texture, design and patterns Viz Spintone/ Cosmos/ Spectra /Globe/Hexa/Quadra having NRC (Noise Reduction coefficient) 0.50 to 0.75 (for semi perforated and fully perforated range of tiles), Light reflectance of 85% (minimum) . Non-combustible as per BS: 476 (part-4), fire performance as per BS: 476 (part 6 &amp;7 (High Fire resistivity for very high fire safety), humidity resistance of 100% RH ( Suitable for any weather conditions) , Thermal conductivity of 0.050 W/m°KC to 0.050 W/m°KC as per IS 3346/1980 (High Thermal Insulation). 100% Antifungal , Antibacterial, Anti termite.The ceiling Tiles should be free from Chemicals, asbestos having Zero VOC Property for better indoor Air quality The tiles shall have average body density of 370 kg/m<sup>3</sup> as per ECBC code 2007 and average edge density of 450 Kg/m<sup>3</sup>. The tile shall be primer coated on both sides and the fair surface shall be having a factory finish in two coats of white dispersion type solvent free paint.The framework shall be suspended from ceiling by slotted cleats of size 25X35X1.6mm fixed to ceiling with 12.5mm dia and 50mm long dash fasteners, 4mm G.I. adjustable rods with galvanized steel level clips of size 85X30X0.8mm, spaced at 1200mm centre to centre The tile shall be laid on 24x38mm wide T section flanges colour white having rotary stitching on all T sections, i.e., the main runner, 1200 mm &amp; 600 mm cross tees with a web height of 38mm &amp; load carrying capacity of 11-13kgs/Sqm. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge/Manufacturers Specification. Necessary cutting / providing openings in the ceiling for AC fixtures, grills, electrical fittings, or other utility services, hatch openings etc. shall be provided by the Contractor and cost of making such modifications shall be included in the price., safety measures , No separate charges for cutting / providing opening will be paid. Trap doors with necessary ply frame workto be provided as required at no extra cost. Work complete as per the detailed drawing and instruction of Architect/EIC.</p>	R/o	Sq.mt	0.00	0.00

**PRICE BID**

Sr. No.	Item Description	Qty	Unit	Rate	Amount
481	<p><b>Gypsum panelling:</b> Gypsum panelling :The M/F wall lining includes 12.5mm Gyproc® Quattro Gypsum Board, screw fixed with drywall screws of 25mm at 300mm centers to one side of 45X18X0.5mm Gypliner ceiling channel (0.5mm thick having 18mm flange each made of GI Steel) placed at 600mm center to center in 195X29.5X0.9mm fixing bracket at 900mm c/c with 25X25X0.5mm Gypliner angle at bottom and top of the channel such a manner that joints staggered to avoid leakage through joints. Fixing strip of 75X0.5mm should be installed at horizontal joint of boarding. Finally square and tapered edges of the boards are to be jointed and finished so as to have a flush look which includes filling and finishing with Jointing compound and Joint Paper tape. 50mm Glasswool of density 20kg/m3 should be placed in metal frame.Necessary fabrication with anticorrosive paint work , scaffolding, anchor fasting , bolting HILTI or equivalent make with testing certified in scope of contractor)Rate shall include cost of making of all cut-outs for light fixtures, switchboards gadgets, gizmo, pelmets, grooves, beads cut out as per EIC instruction at siteThe rate shall be in sq.mt for all floors and at all heights including all costs. The shop drawing (or a sample mock of 5 Sqm minimum of the frame work and partition) shall be approved from EIC and Architect.Panelling item including openable shutter wherever required area and finish with the same material. Only the clear elevation area shall be measured and paid.</p>	R/o	Sq.mt	0.00	0.00
<b>Total Amount</b>					<b>0.00</b>

PRICE BID					
Sr. No.	Item Description	Qty	Unit	Rate	Amount

Sr. no.	Summary Sheet				Amount
A	Sub Total : Part - 1				0.00
B	Sub Total : Part - 2				0.00
C	Sub Total : Part - 3				0.00
D	Sub Total : Part - 4				0.00
E	Sub Total : Part - 5				0.00
F	Sub Total : Part - 6				0.00
G	Sub Total : Part - 7				0.00
H	Sub Total : Part - 8				0.00
I	Sub Total : Part - 9				0.00
J	Sub Total : Part - 10				0.00
K	Sub Total : Part - 11 ( Rate only item)				0.00
	<b>Grand Total Amount (Rs.)</b>				<b>0.00</b>

**GST Extra as per Govt. Norms**