

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
1	Clearing and grubbing road land including uprooting of rank vegetation, grass, brushes, shrubs, wood, trees and saplings of girth upto 300mm removal of stumps of trees cut earlier and disposal of unserviceable materials (D) By mechanical means in area of thorny jungle with all lead and lift as directed by Engineer in charge.	0.76	Hectare	34889.38	26,515.93
2	Excavation for foundation in Loose or Soft soil upto 1.50m depth including sorting out and stacking of useful materials and disposing of the excavated stuff with all lead and lift as directed by Engineer in charge.	2496.00	Cumt.	120.01	2,99,544.96
3	Excavation for foundation in Loose or Soft soil from 1.50 m. to 3.00 m. depth including sorting out and stacking of useful materials and disposing of the excavated stuff with all lead and lift as directed by Engineer in charge.	2496.00	Cumt.	133.05	3,32,092.80
4	Excavation for foundation in Loose or Soft soil from 3.00 m. to 5.00 m. depth including sorting out and stacking of useful materials and disposing of the excavated stuff with all lead and lift as directed by Engineer in charge.	1414.00	Cumt.	146.09	2,06,571.26
5	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 using power roller 8T to 10T.(E) From Borrow area within 3.0KM. lead	3770.00	Cumt.	173.67	6,54,735.90
6	Filling available excavated earth in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm. In depth consolidating each disposed layer by ramming and watering etc. complete as directed by Engineer in charge.	4616.00	Cumt.	133.66	6,16,974.56
7	Providing and laying Rubble soling with sand in foundation below PCC and watering and compacting the same etc. completed.	162.00	Cumt.	1464.6	2,37,265.20

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Item no.	Description	Qty.	Unit	Rate	Amount
8	Anti-Termite System: 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. & 6.4 mm I.D. with inbuilt pressure compensation chip every 30 cm interval in the tube, having working pressure of 2 Kg/cm ² 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) & 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 & test every junction during injecting chemicals for termite control treatment. The piping shall be covered with cement mortar/PCC for protection. 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	3996.00	Sqmt.	63.63	2,54,265.48
9	Providing and laying PCC 1:3:6 (1-cement : 3 coarse sand : 6 M/c stone aggregate 20 / 40mm nominal size) in foundation concrete / floor concrete incl. machine mixing, ramming, consolidation & curing etc. incl. cost of form work if required etc. complete at all levels as directed by Engineer in charge.	74.00	Cumt.	3231.78	2,39,151.72
10	Providing and laying controlled cement concrete M-250 for RCC work as per detailed drawings including centering, shuttering (Only Fresh Ply), machine mixing, vibrating, scaffolding, curing, centering having double or more height wherever required & finishing etc. but excluding cost of reinforcement etc. complete at all levels for RCC FOOTING	544.00	Cumt.	4493.54	24,44,485.76
11	Providing and laying controlled cement concrete M-250 for RCC work as per detailed drawings including centering, shuttering (Only Fresh Ply), machine mixing, vibrating, scaffolding, curing, centering having double or more height wherever required & finishing etc. but excluding cost of reinforcement etc. complete COLUMN UP TO GROUND FLOOR LEVEL & FIRST FLOOR LEVEL	132.00	Cumt.	7282.35	9,61,270.20

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Item no.	Description	Qty.	Unit	Rate	Amount
12	Providing and laying controlled cement concrete M-250 for RCC work as per detailed drawings including centering, shuttering (Only Fresh Ply), machine mixing, vibrating, scaffolding, curing, centering having double or more height wherever required & finishing etc. but excluding cost of reinforcement etc. complete COLUMN AT ALL FLOOR LEVEL	130.00	Cumt.	7322.29	9,51,897.70
13	Providing and laying controlled cement concrete M-250 for RCC work as per detailed drawings including centering, shuttering (Only Fresh Ply), machine mixing, vibrating, scaffolding, curing, centering having double or more height wherever required & finishing etc. but excluding cost of reinforcement etc. complete at RCC Double height Columns at all floor level .	8.00	Cumt.	13993.5	1,11,948.00
14	Providing and laying controlled cement concrete M-250 for RCC work as per detailed drawings including centering, shuttering (Only Fresh Ply), machine mixing, vibrating, scaffolding, curing, centering having double or more height wherever required & finishing etc. but excluding cost of reinforcement etc.complete FOR RCC BEAM UP TO GROUND FLOOR LEVEL & FIRST FLOOR LEVEL	162.00	Cumt.	6591.15	10,67,766.30
15	Providing and laying controlled cement concrete M-250 for RCC work as per detailed drawings including centering, shuttering (Only Fresh Ply), machine mixing, vibrating, scaffolding, curing, centering having double or more height wherever required & finishing etc. but excluding cost of reinforcement etc.complete FOR RCC BEAM AT ALL FLOOR LEVEL	126.00	Cumt.	6631.1	8,35,518.60
16	Providing and laying controlled cement concrete M-250 for RCC work as per detailed drawings including centering, shuttering (Only Fresh Ply), machine mixing, vibrating, scaffolding, curing, centering having double or more height wherever required & finishing etc. but excluding cost of reinforcement etc. complete AT RCC Double height BEAMS at all floor level .	4.00	Cumt.	14670.78	58,683.12

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Item no.	Description	Qty.	Unit	Rate	Amount
17	Providing and laying controlled cement concrete M-250 for RCC work as per detailed drawings including centering, shuttering (Only Fresh Ply), machine mixing, vibrating, scaffolding, curing, centering having double or more height wherever required & finishing etc. but excluding cost of reinforcement etc. complete at all levels for RCC SLAB at GROUND FLOOR & FIRST FLOOR LEVEL	352.00	Cumt.	6266.96	22,05,969.92
18	Providing and laying controlled cement concrete M-250 for RCC work as per detailed drawings including centering, shuttering (Only Fresh Ply), machine mixing, vibrating, scaffolding, curing, centering having double or more height wherever required & finishing etc. but excluding cost of reinforcement etc. complete for RCC SLAB AT ALL FLOOR LEVEL	126.00	Cumt.	6306.91	7,94,670.66
19	Providing and laying controlled cement concrete M-250 for RCC work as per detailed drawings including centering, shuttering (Only Fresh Ply), machine mixing, vibrating, scaffolding, curing, centering having double or more height wherever required & finishing etc. but excluding cost of reinforcement etc. complete at all levels for RCC SLAB (Double height)	6.00	Cumt.	11153.7	66,922.20
20	Providing and laying controlled cement concrete M-250 for RCC work as per detailed drawings including centering, shuttering (Only Fresh Ply), machine mixing, vibrating, scaffolding, curing, centering having double or more height wherever required & finishing etc. but excluding cost of reinforcement etc. complete at all levels for RCC SILL and LINTEL & Coping	80.00	Cumt.	7587.91	6,07,032.80
21	Providing and laying controlled cement concrete M-250 for RCC work as per detailed drawings including centering, shuttering (Only Fresh Ply), machine mixing, vibrating, scaffolding, curing, centering having double or more height wherever required & finishing etc. but excluding cost of reinforcement etc. complete at all floor levels for RCC STAIRCASE	44.00	Cumt.	7219.75	3,17,669.00

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Item no.	Description	Qty.	Unit	Rate	Amount
22	Providing and laying controlled cement concrete M-250 for RCC work as per detailed drawings including centering, shuttering (Only Fresh Ply), machine mixing, vibrating, scaffolding, curing, centering having double or more height wherever required & finishing etc. but excluding cost of reinforcement etc. complete for RCC WALL UP TO GROUND FLOOR & FIRST FLOOR LEVEL	38.00	Cumt.	6635.81	2,52,160.78
23	Providing and laying controlled cement concrete M-250 for RCC work as per detailed drawings including centering, shuttering (Only Fresh Ply), machine mixing, vibrating, scaffolding, curing, centering having double or more height wherever required & finishing etc. but excluding cost of reinforcement etc. complete at all levels for RCC WALL AT ALL FLOOR LEVEL	22.00	Cumt.	6675.75	1,46,866.50
24	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level. (For all Floors)	261310.00	KG	77.29	2,01,96,649.90
25	Providing and fixing 200 mm wide, approved quality chicken wire mesh at junction of brick work and RCC work or two dissimilar surfaces, at all heights fixed by nails, rowal plugs or tag by cement mortar 1:3 before applying the plaster, including curing, scaffolding all complete as directed.	312.00	Sqmt.	251.7	78,530.40
26	Brickwork using common burnt clay building bricks having crushing strength not less than 35 Kg./Sq. Cm. in foundation and plinth in cement Mortar 1:6 (1-Cement : 6 - fine sand). Conventional in Foundation & Plinth (Upto 10 ton).	26.00	Cumt.	4121.55	1,07,160.30
27	Brickwork using common burnt clay building bricks having crushing strength not less than 35 Kg./Sq. Cm. in foundation and plinth in cement Mortar 1:6 (1-Cement : 6 - fine sand). GROUND & FIRST FLOOR (Upto 10 ton).	374.00	Cumt.	4403.4	16,46,871.60
28	Brickwork using common burnt clay building bricks having crushing strength not less than 35 Kg./Sq. Cm. in foundation and plinth in cement Mortar 1:6 (1-Cement : 6 - fine sand). SECOND FLOOR & TERRACE FLOOR(Upto 10 ton).	214.00	Cumt.	4444.59	9,51,142.26

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Item no.	Description	Qty.	Unit	Rate	Amount
29	Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg / Sq.Cm. in Cement mortar 1:3 (1-Cement:3-coarsesand) with 2 Nos of 6mm Mild steel round bars after every three course embedded in Cement Mortar in Conventional in GROUND & FIRST FLOOR	586.00	SQMT	734.46	4,30,393.56
30	Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg / Sq.Cm. in Cement mortar 1:3 (1-Cement:3-coarsesand) with 2 Nos of 6mm Mild steel round bars after every three course embedded in Cement Mortar in Conventional in SECOND FLOOR	542.00	SQMT	740.61	4,01,410.62
31	Providing 10mm thick cement plaster in single coat on brick/concrete walls/ceiling for interior plastering for all floor levels and finished even and smooth in (i) Cement mortar 1:3 (1 cement : 3 Sand)	2950.00	SQMT	145.12	4,28,104.00
32	Providing 15mm thick Cement Plaster in single coat on brick/concrete wall for interior plastering upto floor two level finished even and smooth in Cement mortar 1:4 (1-cement :4-sand) at all floor level	5762.00	SQMT	198.6	11,44,333.20
33	20mm thick sand faced cement plaster on walls upto height 10 metres above ground level consisting of 12mm thick backing coat of C.M. 1:3 (1-cement : 3-sand) and 8mm thick finishing coat of C.M. 1:1 (1-cement : 1-sand) etc. complete.	4164.00	SQMT	337.53	14,05,474.92
34	Providing 20 mm thick Water Proof cement plaster for sunk in single coat on brick / concrete wall for interior plastering up to floor two level finished even and smooth (ii)Cement mortar 1:3 (1-cement ,3- sand) and mixing waterproofing materials of approved brand (sika) and manufacture in cement mortar in proportion recommended by the manufacturer for All Floor.	174.00	SQMT	306.96	53,411.04
35	Providing and laying brickbat cement concrete 1:5:10 (1-Cement:5-finesand:10-graded brickbat aggregates 40mm nominal size) and curing complete including waterproofing material - for toilet floor at all levels	174.00	SQMT	133.59	23,244.66

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Item no.	Description	Qty.	Unit	Rate	Amount
36	Providing and laying intergrated cement based proprietary water proofing treatment of required thickness over the roof including 10mm thick waterproofing cement plaster in cement mortar 1:3 and CHINA MOSAIC fitting and finally finishing the surface with white cement slurry and sloping out terrace slabs with following specification laid to required slope not flattar than 1:80 (the thickness of water proofing treatment near rainwater outlet or the lowest point of the finished slope shall not be less than 45mm including treating the vertical surface of the parapet wall up to 20cms height above finished level of terracing including finishing the top with joint less water proofing plaster, curring testing etc complete Rate is including ten years performance of guarantee bond to be given on stamp paper (No extra shall be paid for increase in thickness for proper slope(A)Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS-2645 and 10mm thick water proofing cement plaster in cement Mortar 1.3 over the RCC slab including cleaning the surface before treatments.	1122.00	SQMT	979.82	1099358.04
37	Providing & laying full body Vitrified tiles flooring over 20 mm (average) base of cement mortar 1:6 (1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismentaling of existing flooring and jointed with color cement slurry including Making 3mm spacer at joint of tiles and fill the spacer with epoxy jointing material ,finised with flush pointing & cleaning the surface etc complete selection as directed by Architect/Engineer in Charge.(Size: 1.20Mt. X 0.60 Mt.)	2050.00	SQMT	1748.69	35,84,814.50
38	Providing and fixing Fullbody vitrified tiles (dado work) of size 1200 mm × 600 mm on wall surface using approved polymer-based chemical adhesive, including dismantling of existing finish where required, surface preparation, fixing tiles in true line, level and alignment, maintaining 3 mm joints with spacers, filling joints with epoxy jointing material, finishing with flush pointing and cleaning complete, as directed by Architect/Engineer-in-Charge. (Size -1.20Mt. X 0.60 Mt.) make:Sommany,Nitco,Kajariya	914.00	SQMT	1381.87	12,63,029.18

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Item no.	Description	Qty.	Unit	Rate	Amount
39	Providing and laying 18mm thick polished GRANITE STONE SLAB flooring ,trade of step ,riser of step Laanding , door sill (umra) on 20mm (average) thick base of cement mortar 1:6 (1 cement : 6 course sand) laid over and jointed with coloured cement slurry including rubbing and polishing and including making half round moulding to toe of treads etc.. complete as directed by Engineer in Charge.	278.00	SQMT	1954.3	5,43,295.40
40	Providing and fixing 18 mm thick, first quality black polished Granite Stone approved by the Client/Architect, for Door and Window frames, lintels, jambs and sills, laid in cement mortar (1:3), including cutting, dressing, proper fixing, making hairline joints, filling joints with white cement/pigment/joint filler, rounding of edges, edge polishing and finishing, with granite fixed in single piece. The item shall also include jamb framing moulding, photo frame detailing, grooves, rebates and all necessary edge profiles as per detailed drawings, complete as directed by the Architect/Engineer-in-Charge.	342.00	SQMT	2003.69	6,85,261.98
41	Providing & Fixing curved shaped urinal partition of size 900 mm (H) × 450 mm (W), made of 8 mm thick frosted toughened glass with polished edges, including necessary curving as per design, complete with chrome finished stainless steel brackets/supports, fittings and fixtures of Jaquar or equivalent make. The work shall include cutting, edge finishing, fixing in proper line & level, using suitable fasteners, gaskets and sealant, including all materials, hardware and labour charges, complete at all levels as directed by the Architect/Engineer-in-Charge.	12.00	NOS	6500	78,000.00

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Item no.	Description	Qty.	Unit	Rate	Amount
42	THREE TRACK WINDOW Providing and fixing factory made UPVC glazed/wire mesh windows/doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having 6 mm thick High performance glass minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap	323.00	SQMT	9599.6	31,00,670.80
43	Providing and applying Exterior Weather Resistant Textured wall finish made from emusified acrylic polymers, siliceous aggregated marble chips and quarts powder of jotun or equivalent having average thickness of 2 mm with approved color and textured finishes as per company's specification and standards laid on external rough plaster for all heights after necessary preparatory coating incl. application of necessary preparatory coat, scaffolding, curing and priming.	4205.00	SQMT	300	12,61,500.00
44	Providing & fixing Steel work,grill work,stair ladders,Entry Gate, parking shead ,etc welded in built up/rolled steel sections framed work including cutting, hoisting, fixing in position and applying a priming coat of read lead paint. (A)In beams and joists, channels angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins conneted to common rafters etc completed as directed by architect / Engineer In charge.	164.30	Quintal	9108.49	14,96,524.91

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Item no.	Description	Qty.	Unit	Rate	Amount
45	Painting two coats (excluding priming coat) on new steel and other metal surface with enamel paint, brushing, interior to give an even shade including cleaning the surface an even shade including cleaning the surface of all dirt, dust and other foreign matter etc. complete as directed by Engineer Incharge.	670.00	SQMT	90.01	60,306.70
46	Supplying and fixing stainless steel hand Railing of Grade 304 (16 gauge thick sections) with glossy finish consisting of 32mm x 32mm size vertical posts 900 Heigh at maximum spacing @ 750 mm c/c with suitable cups at top rail of 50 mm x 50 mm & intermediate horiztal rails 3 nos of 16 mm x 16 mm size etc complete at all levels including bending to required profile. Tungsten insert gas welding & all required accessories, grinding & labour etc complete as per design fixing with base slab/concrete or side wall/RCC by hilty or equivalent fastenre and plates as per Drawing and instruction of Engineer-in-Charge.(work for all floors)	92.00	Rmt.	3375.7	3,10,564.40
47	Designing, fabricating, testing, protection, installing and fixing in position semi (grid) unitized system of structural glazing (with open joints) for linear as well as curvilinear portions of the building for all heights and all levels, including: (a) Structural analysis & design and preparation of shop drawings for the specified design loads onforming to IS 875 part III (the system must passed the proof test at 1.5 times design wind pressure without any failure), including functional design of the aluminum sections for fixing glazing panels of various thicknesses, aluminium cleats, sleeves and splice plates etc. gaskets, screws, toggles, nuts, bolts, clamps etc., structural and weather silicone sealants, flashings, fire stop (barrier)-cum-smoke seals, microwave cured EPDM gaskets for water tightness, pressure equalisation & drainage and protection against fire hazard including.	196.00	SQMT	3510.5	6,88,058.00

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Item no.	Description	Qty.	Unit	Rate	Amount
	<p>:(b) Fabricating and supplying serrated M.S. hot dip galvanised / Aluminium alloy of 6005 T5 brackets of required sizes, sections and profiles etc. to accommodate 3 Dimensional movement for achieving perfect verticality and fixing structural glazing system rigidly to the RCC/ masonry/structural steel framework of building structure using stainless steel anchor fasteners/ bolts, nylon separator to prevent bimetallic contacts with nuts and washers etc. of stainless steel grade 316, of the required capacity and in required numbers. (c) Providing and filling, two part pump filled, structural silicone sealant and one part weather silicone sealant compatible with the structural silicone sealant of required bite size in a clean and controlled factory / work shop environment, including double sided spacer tape, setting blocks and backer rod, all of approved grade, brand and manufacture, as per the approved sealant design, within and all around the perimeter for holding glass.</p>				
	<p>(d) Providing and fixing in position flashings of solid aluminium sheet 1 mm thick and of sizes, shapes and profiles, as required as per the site conditions, to seal the gap between the building structure and all its interfaces with curtain glazing to make it watertight. (e) Making provision for drainage of moisture/ water that enters the curtain glazing system to make it watertight, by incorporating principles of pressure equalization, providing suitable gutter profiles at bottom (if required), making necessary holes of required sizes and of required numbers etc. complete. This item includes cost of all inputs of designing, labour for fabricating and installation of aluminium grid, installation of glazed units, T&P, scaffolding and other incidental charges including wastages etc., enabling temporary structures and services, cranes or cradles etc. as described above and as specified.</p>				

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Item no.	Description	Qty.	Unit	Rate	Amount
	The item includes the cost of getting all the structural and functional design including shop drawings checked by a structural designer, dully approved by Engineer-in-charge. The item also includes 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 structural glazing as specified, cleaning and protection till the handing over of the building for occupation. In the end, the Contractor shall provide a water tight structural glazing having all the performance characteristics etc. all complete as required, as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineerin- Charge.				
48	Providing and supplying Spandrel Glass Panels comprising of 6 mm thick heat strengthened monolithic float glass of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade so as to match the colour and shade of the IGUs in the vision panels etc. ,all complete for the required performances as specified, as per the Architectural drawings, as per the approved shop drawings, as specified, and as directed by the Engineer- in- Charge.	196.00	sqmt	2450.15	4,80,229.40

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Item no.	Description	Qty.	Unit	Rate	Amount
49	Providing and fixing elevation feature GRC brackets as PER ELEVATION DWG IN 30 mm thk. for the locations as per the drawings. at all levels made from GRC make Glass fibre reinforced concrete (GRC) using white cement, Quartz Sand, AR Fibres, Water Plasticizers & COLOR in approved shape, size and length as per the design and drawings and as per specifications, mix design. The typical GRC items should be of sizes as per the drawings. Fixing of GRC items shall be with help of S.S Screws Fixtures, M.S Angle Cleats, Fissure Plug, and Dowel Pin proper alignment as per drawings (Shop drawings to be submitted by the contractor before the work start). As per approved paint, shade & Finishing with GRC powder & filling the joints with Epoxy sealant neatly between GRC items and primary structures. The fins should be in absolute straight plumb line and length and joins between channels should be neatly filed to make seamless uniform surface across the entire elevation of the building without any visibility to joints.	104.00	Nos.	1250	1,30,000.00
50	Providing and fixing elevation feature GRC Triangle design as PER ELEVATION DWG IN 30 mm thk. for the locations as per the drawings. at all levels made from GRC make Glass fibre reinforced concrete (GRC) using white cement, Quartz Sand, AR Fibres, Water Plasticizers & COLOR in approved shape, size and length as per the design and drawings and as per specifications, mix design. The typical GRC items should be of sizes as per the drawings. Fixing of GRC items shall be with help of S.S Screws Fixtures, M.S Angle Cleats, Fissure Plug, and Dowel Pin proper alignment as per drawings (Shop drawings to be submitted by the contractor before the work start). As per approved paint, shade & Finishing with GRC powder & filling the joints with Epoxy sealant neatly between GRC items and primary structures. The fins should be in absolute straight plumb line and length and joins between channels should be neatly filed to make seamless uniform surface across the entire elevation of the building without any visibility to joints.	1.00	Nos.	15000	15,000.00

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Item no.	Description	Qty.	Unit	Rate	Amount
51	Providing and fixing elevation feature GRC Rectangle design as PER ELEVATION DWG IN 30 mm thk. for the locations as per the drawings. at all levels made from GRC make Glass fibre reinforced concrete (GRC) using white cement, Quartz Sand, AR Fibres, Water Plasticizers & COLOR in approved shape, size and length as per the design and drawings and as per specifications, mix design. The typical GRC items should be of sizes as per the drawings. Fixing of GRC items shall be with help of S.S Screws Fixtures, M.S Angle Cleats, Fissure Plug, and Dowel Pin proper alignment as per drawings (Shop drawings to be submitted by the contractor before the work start). As per approved paint, shade & Finishing with GRC powder & filling the joints with Epoxy sealant neatly between GRC items and primary structures. The fins should be in absolute straight plumb line and length and joins between channels should be neatly filed to make seamless uniform surface across the entire elevation of the building without any visibility to joints.	37.00	Nos.	3500	1,29,500.00
52	Providing and fixing factory made 18 mm thick single extruded WPC (Wood Polymer Composite) solid plain white colour board Jali, CNC (Computer numeric control) routed of approved design by Engineer-in-charge which are machine cut for duct/shaft covering, partitions and facades comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives(maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) minimum compressive strength 50 N/mm ² , modulus of elasticity 850 N/mm ² and resistance to spread of flame of Class A category with properties of being termite/borer proof, water/ moisture proof and fire retardant and fixing on M.S (mild steel) frame made of 25 x 25 x 1.5 mm square hollow box section including applying a priming coat of approved steel primer, placed at grid made at 1.0 x 1.0 m or as per requirement at site with necessary stainless steel fasteners and SS screws etc., all complete as per direction of Engineer-In- Charge.	68.00	SQMT	4086.4	2,77,875.20

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Item no.	Description	Qty.	Unit	Rate	Amount
53	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the materials with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers (Layer should not be more than 200 mm)with paver in sub base/base course on well prepared surface and camber with Sensor paver consolidation by vibratory road roller to achieve the desired density by using machine crushed chips as per required gradation mixing with required optimum quantity of water incl material, labour, plant and machinery and equipment etc. complete by plant mix method. (Using mechanical paver) .	220.00	Cu.mt.	2135.56	4,69,823.20
54	Brick work in superstructure above plinth level and up to floor five level in cement mortar 1:3 (1 cement : 3 coarse sand), including centering, scaffolding, and shuttering complete, with common burnt clay F.P.S. (non-modular) bricks of class designation 7.5, including brick cornices, molded shapes, decorative profiles, necessary grooves, cornice steps, and projections as per approved architectural detail drawings.The work shall include cutting, shaping, and finishing of bricks required for cornices, moldings, grooves, and steps, true to line, level, and plumb. All brickwork shall be neatly finished with uniform joints, and all cornices, moldings, grooves, steps, and projections shall conform to the approved architectural drawings.	78.00	Cu.mt.	19066.1	14,87,155.80
55	Forming groove of uniform size from 12x12 mm and upto 25x15 mm in the top layer of washed stone grit plastered surface as per approved pattern, including providing and fixing aluminum channels of appropriate size and thickness (not less than 2 mm), nailed to the under layer with rust proof screws and nails and finishing the groove complete as per specifications and direction of the Engineer-in-Charge.	1720.00	Rmt.	100.6	1,73,032.00

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Item no.	Description	Qty.	Unit	Rate	Amount
56	Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in mouldings as in cornices, windows sills etc, including setting in cement mortar 1:3 (1 cement : 3 coarse sand) cost of required centering, shuttering but, excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	4.00	Cu.mt.	18234.95	72,939.80
57	Providing & Fixing 6 mm thick lexan Polycarbonate multi wall roofing sheet fixed with hilti screw and rubber silicon sealer and alluminium strip of size 50 x 3 mm etc. complete and directed by Enginner in charge	100.00	SQMT	1441.9	1,44,190.00
58	Constructing of Cooking platform (sandwich type) 80cm high resting on Kota stone / granite stone in C.M 1:3 with providing and fixing 25 mm thick rough kota stone at bottom and 25mm thick Polish kota stone/ Granite stone (single piece) top and polished kota stone/ granite stone (single piece) 25mm thick on top with 75mm high machine cut polished Granite round moulded facia patty including polishing etc . complete as per drawing and specification without stainless steel sink including necessary cutting for sink & making hole for gas pipe and fixing P.V.C bend of 25mm dia.	5.00	SQMT	2955.08	14,775.40
59	Sandwich Type – Kalinga over Kota :Providing & fixing sandwich type washroom platform consisting of top layer of 18 mm thick Kalinga stone of approved shade and finish, fixed over 20 mm thick Kota stone base, forming a total sandwich thickness of 150 mm (6 inches), including necessary cutting, dressing, edge polishing, moulding, and fixing in cement mortar (1:3) with proper leveling and slope. The work shall include backing support, filling joints with white cement/pigment, providing necessary grooves, rebates, and finishing edges, complete in all respects as directed by the Engineer-in-Charge.	25.00	SQMT	2925.82	73,145.50

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
60	Excavation for foundation in Dense or Hard soil upto 1.50m depth including sorting out and stacking of useful materials and disposing of the excavated stuff with all lead and lift as directed by Engineer in charge.	11.00	Cumt.	153.41	1,687.51
61	Excavation for foundation in Dense or Hard soil from 1.50 m. to 3.00 m. depth including sorting out and stacking of useful materials and disposing of the excavated stuff with all lead and lift as directed by Engineer in charge.	8.00	Cumt.	166.44	1,331.52
62	P/L PCC 1:3:6 (1-cement : 3 coarse sand : 6 M/c stone aggregate 20 / 40mm nominal size) in foundation concrete / floor concrete incl. machine mixing, ramming, consolidation & curing etc. incl. cost of form work if required etc. complete at all levels.	0.20	Cumt.	3231.78	646.36
63	Brickwork using common burnt clay building bricks having crushing strength not less than 35 Kg./Sq. Cm. in foundation and plinth in cement Mortar 1:6 (1-Cement : 6 - fine sand). Conventional in Foundation & Plinth (Upto 10 ton).	4.00	Cumt.	4121.55	16,486.20
64	Providing 15mm thick cement plaster in single coat on brick/concrete walls for interior plastering upto floor two level and finished even and smooth in (i) Cement mortar 1:4 (1-cement: 4-sand)	27.00	Sq. mt.	171.21	4,622.67
65	Supplying and laying of screened rounded gravel of 25 to 90 mm, 20 to 50 mm and 5 to 20 mm size filling in layers or packing around stainer pipe etc. complete.	3.00	Cumt.	247.85	743.55
66	Drilling of Pilot Bore hole in alluvial strata by direct rotary rig of 250 to 300 mm dia. for a depth of 110 meters.	220.00	R.mt	972.63	2,13,978.60
67	Providing and fixing to wall ceiling and floor 6.0 Kg. F/Cm2 working pressure poluthene pipes of the following outside Dia. Low densidy, complete with special falnge compression type fittings, wall clipsetc. including making good the wall ceiling and floor.				
	20 mm	70.00	Rmt	82.17	5,752.15
	25 mm	80.00	Rmt	105.50	8,440.37
68	Providing and fixing to wall ceiling and floor 10.0 Kg. F/Cm2 working pressure poluthene pipes of the following outside Dia. Low densidy, complete with special falnge compression type fittings, wall clipsetc. including making good the wall ceiling and floor.				-

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
	32 mm	65.00	Rmt	121.97	7,927.89
	40 mm	100.00	Rmt	127.36	12,736.10
69	Providing and fixing in position cowl went to pipes.				-
	75 mm	2.00	Each	393.04	786.08
	100 mm	10.00	Each	505.17	5,051.72
70	Providing and fixing screw down bib taps of following size.(B) Brass chromium plated screws down Bib Tap. (15 mm)	3.00	Each	186.83	560.49
71	Providing and fixing Gun metal check or non-return fullway wheel valve.				-
	(A) 15 mm dia	2.00	Each	186.83	373.66
	(B) 25 mm dia	17.00	Each	420.63	7,150.79
	(C) 32 mm dia	7.00	Each	314.73	2,203.08
	(D) 40 mm dia	7.00	Each	663.43	4,644.00
72	Providing and fixing ball cock of approved. quality as directed.(B) Abonite 50 mm	5.00	Each	137.89	689.43
73	Providing laying and jointing in true line and level U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive				-
	(A) 15 mm dia	65	Rmt	72.65	4,722.20
	(B) 25 mm dia	210	Rmt	91.84	19,286.25
	(C) 40 mm dia	50	Rmt	148.12	7,405.83
	(D) 50 mm dia	110	Rmt	195.67	21,523.40
74	Providing, laying and jointing in true line and level 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 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.				-
	(A) 110 mm dia (110mm diameter x 149mm length x 145mm height)	385	Rmt	856.03	3,29,569.82
	(B) 160 mm dia (160mm diameter x 210mm length x 196mm height)	10	Rmt	834.38	8,343.81

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
75	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.	3	each	585.37	1,756.10
76	Providing erecting and fixing double coated ISI water tank of required capacity each with all necessary fittings and connection etc. complete on terrace	25000	litre	3.95	98,727.50
77	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.	7	Each	1292.19	9,045.36
78	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(B) 150mm	70	Rmt	254.89	17,842.56
79	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 1:3 (1- Cement : 3-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.	25	Each	11042.74	2,76,068.60
80	(I) Extra rate for constructing B.B. masonry for every additional depth of 0.1M. or Part thereof over item No.24.27 (I) for depth from 0.9M to 1.5M.	25	Each	522.96	13,073.95

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
81	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 1:3 (1- Cement : 3-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) (2) B type depth 1.50 Metre for 150mm diameter sewer.	20	Each	19349.63	3,86,992.61
	(II) Extra rate for constructing B.B. masonry for every additional depth of 0.1M. GR Part thereof over item No.24.27 (I) for depth from 1.50M. to 2.25M.	20	Each	397.19	7,943.85
82	Providing and fixing cast iron steps of size 500mm x 150mm x 22.5mm and painting with two coats of Anti corrosive paint etc. complete.	500	Each	207.66	1,03,828.00
83	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg/Cm ² 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.	25	Each	2932.93	73,323.22
	Extra over items 24.44 for every additional depth of 0.1M. of part thereof beyond 450mm depth for Brick masonry chamber.(i) for 455mm x 610mm size.	25	Each	242.39	6,059.75

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
84	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg/Cm ² 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.(ii) Inside dimensions 500mm x 700 mm and 450mm deep for pipe line with one or two inlets.	25	Each	3660.76	91,518.88
	Extra over items 24.44 for every additional depth of 0.1M. of part thereof beyond 450mm depth for Brick masonry chamber.(ii) for 500mm x 700mm size.	25	Each	264.86	6,621.56
85	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg/ Cm ² 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.(iii) Inside dimensions 600mm x 850 mm and 450mm deep for pipe lines with three or more inlets.	30	Each	7180.44	2,15,413.31
	Extra over items 24.44 for every additional depth of 0.1M. of part thereof beyond 450mm depth for Brick masonry chamber.(iii) for 600mm x 850mm size.	30	Each	325.59	9,767.81
86	Providing and fixing on platform stainless steel Sink glossy ASIS 304 grade x 1mm thick with over all size 610x460mm & bowl size 560x410x200mm & SS Pillar cock with extention body including fixing the sink in platform & making good the same including the cost of PVC waste pipe of 32mm dia. and PVC waste coupline etc complete as directed by EIC.	3	Each	2868.88	8,606.65

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
87	Providing and fixing Two way BIB cock with wall flange of genuine Jaquar company brand, in with model no FUS-CHR29041, water tap brand or approved ISI brand quality, fixing in pipeline and testing the same... etc., complete., as directed by EIC	27	Each	2661.35	71,856.45
88	Providing and fixing wash down water closet European type WC pan (Wall Hung) like JAQUAR CNS-WHT-961SPP- SIZE 365x545x360MM and P trap distance 23.5 cms with integral P trap including jointing the trap with soil pipe in cement mortar 1:1 (1 cement : 1 fine sand) including providing and fixing of 1) Health Faucet hand shower heavy duty with SS braided hose 1.2 MT long pipe to water closet - JAQUAR ALD-CHR-573 with Single Piece Slim Concealed Cistern Body with Installations Kit & "S-Type" drain pipe connection set for Wall Hung WC (without Flush Control Plate) - JCS-WHT-2400S with Control Plate Opal - JCP-CHR-152415, Toilet roll holder etc, complete	27	Each	18705.33	5,05,043.95
89	Providing and fixing Wash Basin vitreous china table top wash basin size 560mm x 450 mm in colour selected by engineer-in-charge with single hole for pillar tap with CP or MS brackets painted white including cutting holes and making good the same including (1) Providing and fixing SS waste coupling of 32 mm dia size half thread with 80mm height for wash basin with rubber plug (2) Providing and fixing SS bottle trap with internal partition of 32mm size with 250mm & 190mm long wall flange connection pipes and wall flange of approved quality with necessary fitting for wash basin (3) Providing and fixing SS Pillar cock with extension body like JAQUAR FUS-CHR-29021N with necessary fittings etc. complete (4) Providing and fixing SS finish Angular Stop Cock quarter turn like Jaquar code FUS-29053 with necessary fittings (5) Providing and fixing SS finish soap dispenser with metallic bottle, Towel ring etc. complete	27	Each	8080.39	2,18,170.64

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
90	Providing and fixing Urinal of approved quality including connection with trap and with integral longitudinal flush pipe.(A) Squating plate pattern white earthenware size of urinal 370mm x 315x 620 mm.of jaquar make code no URS -WHT-132530 including (1) Providing and fixing SS finish waste coupling of 32 mm dia size half theread with 80mm height like jauar -ALD -709 for wash basin with rubber plug (2) Providing and fixing SS finish bottle trap with internal partition of 32mm size with 250mm &190mm long wall flange connection pipes and wall flange like jaquar ALD-769 of approved quality with necessary fitting for wash basin (3) Sensotronic Concealed Type Flushing Valve Faucets of auto closing system for urinal like jaquar SNR-STL-51087 of approved quality and connection with waste pipe trap etc. complete	12	Each	20874.68	2,50,496.16
91	Providing and fixing PVC SWR pipes IS 13592 for Drain - 75 mmdia	10	Rmt.	336.33	3,363.30
92	Providing and fixing PVC SWR P- Trap IS 14735 for Drain -110x110	41	No.	311.08	12,754.28
93	Providing and fixing Gun metal check or non-return fullway wheel valve. (A) 50mm dia.	10	No.	757.50	7,575.00
94	Providing laying and jointing PVC SWR pipes IS 13592 for Drain - 50 mmdia it's accessories.	130	Rmt.	292.90	38,077.00
95	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	10	No.	452.48	4,524.80
96	Providing and fixing Handicap wash down water closet European type WC pan (Wall Hung) like JAQUAR CNS-WHT-961SPP- SIZE 365x545x360MM and P trap distance 23.5 cms with integral P trap including jointing the trap with soil pipe in cement mortar 1:1 (1 cement : 1 find sand) including providing and fixing of 1) Health Faucet hand shower heavy duty with SS braided hose 1.2 MT long pipe to water closet - JAQUAR ALD-CHR-573 with Single Piece Slim Concealed Cistern Body with Installations Kit & "S-Type" drain pipe connection set for Wall Hung WC (without Flush Control Plate) - JCS-WHT-2400S with Control Plate Opal - JCP-CHR-152415,Toilet roll holder including grab bar etc,complete	3	Each	19719.61	59,158.84

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
97	Providing and laying in trench including UPVC Foamcore PVC pipe of SN8 grade 10KG with all jointing, fittings, etc. complete with testing. The above pipe includes excavation, refilling, CC 1:5:10 bedding, encasing etc. all civil work required to lay the pipe as per site soil condition. The scope shall also include connection to the existing network with required material & civil work.	320	Each	1186.75	3,79,760.00
98	Excavation for foundation in Loose or Soft soil upto 1.50m depth including sorting out and stacking of useful materials and disposing of the excavated stuff with all lead and lift as directed by Engineer in charge.	212.00	Cumt.	120.01	25,442.12
99	Excavation for foundation in Loose or Soft soil from 1.50 m. to 3.00 m. depth including sorting out and stacking of useful materials and disposing of the excavated stuff with all lead and lift as directed by Engineer in charge.	212.00	Cumt.	133.05	28,206.60
100	Excavation for foundation in Loose or Soft soil from 3.00 m. to 5.00 m. depth including sorting out and stacking of useful materials and disposing of the excavated stuff with all lead and lift as directed by Engineer in charge.	120.00	Cumt.	146.09	17,530.80
101	Filling available excavated earth in trenches. plinth, sides of foundations etc. in layers not exceeding 20cm. In depth consolidating each disposed layer by ramming and watering etc. complete as directed by Engineer in charge.	290.00	Cumt.	133.66	38,761.40
102	Providing and laying Rubble soling with sand in foundation below PCC and watering and compacting the same etc. completed..	36.00	Cumt.	1464.60	52,725.60
103	Providing and laying PCC 1:3:6 (1-cement : 3 coarse sand : 6 M/c stone aggregate 20 / 40mm nominal size) in foundation concrete / floor concrete incl. machine mixing, ramming, consolidation & curing etc. incl. cost of form work if required etc. complete at all levels as directed by Engineer in charge.	30.00	Cumt.	3231.78	96,953.40

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
104	Providing and laying controlled cement concrete M-250 for RCC work as per detailed drawings including centering, shuttering (Only Fresh Ply), machine mixing, vibrating, scaffolding, curing, centering having double or more height wherever required & finishing etc. but excluding cost of reinforcement etc. complete at all levels for RCC FOOTING	42.00	Cumt.	4493.55	1,88,729.10
105	Providing and laying controlled cement concrete M-250 for RCC work as per detailed drawings including centering, shuttering (Only Fresh Ply), machine mixing, vibrating, scaffolding, curing, centering having double or more height wherever required & finishing etc. but excluding cost of reinforcement etc. complete COLUMN UP TO GROUND FLOOR LEVEL & FIRST FLOOR LEVEL	36.00	Cumt.	7282.35	2,62,164.60
106	Providing and laying controlled cement concrete M-250 for RCC work as per detailed drawings including centering, shuttering (Only Fresh Ply), machine mixing, vibrating, scaffolding, curing, centering having double or more height wherever required & finishing etc. but excluding cost of reinforcement etc. complete FOR RCC BEAM at Compound wall	36.00	Cumt.	6591.15	2,37,281.40
107	Providing and laying controlled cement concrete M-250 for RCC work as per detailed drawings including centering, shuttering (Only Fresh Ply), machine mixing, vibrating, scaffolding, curing, centering having double or more height wherever required & finishing etc. but excluding cost of reinforcement etc. complete at all levels for RCC SILL & COPING	16.00	Cumt.	7587.91	1,21,406.56
108	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete.	22770.00	Kg.	77.29	17,59,893.30
109	Brickwork using common burnt clay building bricks having crushing strength not less than 35 Kg./Sq. Cm. in foundation and plinth in cement Mortar 1:6 (1-Cement : 6 - fine sand). Compound Wall (Upto 10 ton).	150.00	Cumt.	4403.40	6,60,510.00

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
110	20mm thick sand faced cement plaster on walls upto height 10 metres above ground level consisting of 12mm thick backing coat of C.M. 1:3 (1-cement : 3-sand) and 8mm thick finishing coat of C.M. 1:1 (1-cement : 1-sand) etc. complete.	1380.00	Sq. mt.	337.53	4,65,791.40
111	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	1380.00	Sq. mt.	117.41	1,62,025.80
112	Providing & fixing Steel work,Entry Gate, parking shead ,etc welded in built up/rolled steel sections framed work including cutting, hoisting, fixing in position and applying a priming coat of read lead paint. (A)In beams and joists, channels angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins conneted to common rafters etc completed as directed by architect / Engineer In charge.	288.30	Quintal	9108.49	26,25,977.67
113	Painting two coats (Including priming coat) on new steel and other metal surface with enamel paint, brushing, interior to give an even shade including cleaning the surface an even shade including cleaning the surface of all dirt, dust and other foreign matter etc. complete as directed by Engineer Incharge.	710.00	Sq. mt.	125.88	89,374.80
114	Providing & Fixing 6 mm thick lexan Polycarbonate multi wall roofing sheet fixed with hilti screw and rubber silicon sealer and alluminium strip of size 50 x 3 mm etc. complete and directed by Enginner in charge	470.00	Sq. mt.	1441.90	6,77,693.00

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
115	Providing and Fixing 'U' Shaped Barbed wire fencing on Existing compound wall top with verical angle of 50x50x6 mmx0.45 Mtr height, two cross angles 50x50x6 mm x 0.40 Mtr. Length, , two vertivcal angle 50x50x6 mm x 0.45 Mtrhaving 1 Horizontal rows , 2 horizontal rows at each side of cross angles ,and 2 horizontal rows at each side of verical angle and 1 horizontal rows at top side of barbed wire.and @ 0.10m c/c Spiral turns in each 27 mtr in length each 3.00m span and 750 mm effective dia, horizontal and two diagonal barbed wire rows on each cross angles incl. cost of barbed wires, necessary GI stapplings, fixing in C.C. (1:2:4) blocks of 0.35x0.35x0.30 Mtr. size on top of compound wall, painting angles with one coat of anticorrossive primer and two coats of enamel paint of approved quality, necessary scaffolding etc. complete as per the direction of the Engineer in Charge.	310.00	Rmt	734.25	2,27,617.50
	Electrical				
116	Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length , in below type of pipe erected with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete cat III	407.00	Pt.	485.81	1,97,724.67

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
117	<p>Point wiring for Tissino / Modular secondary light point with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires, in below type of pipe to be erected complete with earth continuity and necessary connection with primary light with accessories erected on Metal / PVC / wooden box covered with 3 mm thick PC(Polycarbonate) / Acrylic sheet for open / concealed wiring. with necessary Lamp holder / ceiling rose / H.D.Connector as directed.</p> <p>Note:- Maximum up to 6 mtrs length, excess will be considered as Mains for Secondary Point.</p> <p>(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete cat III</p>	319.00	Pt.	167.66	53,483.54
118	<p>Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected with 6A Modular type switch and hum free EME step type electronic fan regulator mounted and accessories with earth continuity of following type erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D.Connector as directed.</p> <p>(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete cat III</p>	90.00	Pt.	674.68	60,721.20

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
119	Point wiring for Two Way Controlled Light Point with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (green) both are of .ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires erected in below type of pipe with 6A Modular type switches and following type of accessories erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white 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. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete CAT III	15.00	Pt.	603.98	9,059.70
120	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic/Wooden box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories [II] For 16A Plug and 16 amp switch with 2-2.5 sq.mm Cu. Wire from mcb db board. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete cat III	15.00	Pt.	745.38	11,180.70
121	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic/Wooden box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories. [I] For 6A Plug and 6 a switch with 2-1.5 sq.mm Cu. Wire from nearby switchboard/mcb db board (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete	80.00	Pt.	510.05	40,804.00

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
122	Point wiring for on board Looped Plug with 6A Modular type switch & 5 pin socket erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate modules erected on / in wall / ceiling with following type accessories Cat. III	120.00	Pt.	257.55	30,906.00
123	Providing & erecting Switch board for Computer or electric apparatus consisting of following modular type accessories mounted with PVC / Metallic concealed/open box with single mounting base frame covered with textured/metallic /white front plate,modules erected with necessary connections as directed 1 no. 6A/16A universal plug-switch combined. 3 nos. 6A Switch 3 nos. 6A 5 pin Plug For Modular Type Accessories Cat. III	66.00	Ea	1133.22	74,792.52
124	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. (8) Computer RJ-45 socket Cat.III	66.00	Ea	160.59	10,598.94
125	SITC of CAT6 UTP 24AWG PATCH CORD:1M,Plug 30U' Snag less [Approved by Competent Authority i.e. not Below the rank of Executive Engineer]	66.00	Ea	155	10,230.00
126	SITC of CAT6 UTP 24AWG PATCH CORD:2M,Plug 30U' Snag less [Approved by Competent Authority i.e. not Below the rank of Executive Engineer]	66.00	Ea	199	13,134.00
127	Supplying & erecting approved make Dual band wifi Router.	20.00	Ea.	1978	39,560.00
128	Supplying & erecting approved make LAN cable of following size in pipe as per direction CAT - 6	6500.00	Mtr.	47.47	3,08,555.00
129	Supplying & erecting access point with POE. Note : 3 Nos. of Access Point already available in GIDC	2.00	Ea.	16230.7	32,461.40

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
130	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. (3) Two Pin/RJ-11 Telephone Socket [A] For One Gang Cat.III	66.00	Ea	160.59	10,598.94
131	Supplying & erecting approved make Telephone Cable electrolytic copper conductor PE insulation twisted in two pairs, & wrapped with FRLS PVC tape & sheathed with FRLS PVC or HFFR outer Jacket suitable for telephone wiring & confirming to C-DOT erected in existing pipe. of following size of conductors & nos.of pairs. With necessary connections. [A] Conductor Size 0.5 mm (a) Unarmoured (2) Two Pairs	1320.00	Mtr.	20.2	26,664.00
132	Providing & erecting main Distribution (MDF) indoor type, back mounted frame as per DoT standard approved with krone strips (c) Suitable for 50 pair	3.00	Ea.	1747.3	5,241.90

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
133	SITC of 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 / EI & VOIP program me through Analog telephone digital key from Ethernet, public address cord, shall have unrestricted simultaneous dialing facility, QSIG protocol on PRI, 95 / STD / ISD / Local-Locking, Class of Service, Quick Dial-Single Digit dialing of any two external number, Once only ring device, Chairman / Secretary - Do not disturb Facility, Power Down Mode, Hot Line, Hot Outward Dialing, 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 Dialing, External Music Input, Fax Homing, Global Directory Printing with following capacities [[Approved by Competent Authority i.e. not Below the rank of Executive Engineer] [D] No of Extension 64, No of Junctions 12, 8 Port IP Resource in-built, 4 Port Web base Video	1.00	Ea.	109743.57	1,09,743.57
134	Supplying & erecting push button type telephone instrument having speaker phone Caller ID & hands free dialing system & 30 memories with display system Single line [[Approved by Competent Authority i.e. not Below the rank of Executive Engineer]	66.00	Ea.	565.6	37,329.60
135	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. (4) TV Co-axial Socket outlet Cat.III	2.00	Ea	160.59	321.18
136	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	100.00	Mtr.	39.39	3,939.00

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
137	providing and erecting Mains with ISI marked, 1.5KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS 694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required. One wire 10.00 sq. mm	30.00	Mtr.	91.91	2,757.30
138	providing and erecting Mains with ISI marked, 1.5KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS 694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required. One wire 16.00 sq. mm	30.00	Mtr.	142.41	4,272.30
139	providing and erecting Mains with ISI marked, 1.5KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS 694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required. One wire 25.00 sq. mm	30.00	Mtr.	236.34	7,090.20
140	providing and erecting Mains with ISI marked, 1.5KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS 694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required. One wire 35.00 sq. mm	30.00	Mtr.	300.98	9,029.40
141	Providing and erecting 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	1600.00	Mtr.	62.62	1,00,192.00

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
142	Providing and erecting 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	2300.00	Mtr.	82.82	1,90,486.00
143	providing and erecting 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	300.00	Mtr.	112.11	33,633.00
144	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	5620.00	Mtr.	33.33	1,87,314.60
145	Providing & erecting PVC Corrugated Flexible Conduit with required nos. of coupling, PVC bushes, Check-nuts etc. complete of following sizes.(2) 25 mm	500.00	Mtr.	21.21	10,605.00
146	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	3.00	Ea	885.77	2,657.31

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
147	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	6.00	Ea	1152.41	6,914.46
148	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	3.00	Ea	1492.78	4,478.34
149	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 (ii)6 way	6.00	Ea	2913.85	17,483.10
150	providing and erecting Miniature circuit breaker single pole 6A to 25A 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	150.00	Ea	112.11	16,816.50

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
151	Providing & erecting 240 V MCB double pole switch for lighting Load (B Curve) 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.	278.76	3,345.12
152	Providing & erecting 240 V MCB double pole switch for lighting Load (B Curve) having 10 KA breaking capacity & confirms to IS : 8828 in existing box having following capacity (B) 40 Amp. Cat-III	10.00	Ea.	295.93	2,959.30
153	Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity (a) 6 to 32 Amp. Cat.III	15.00	Ea.	595.9	8,938.50
154	Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity (b)40 Amp. Cat.III	5.00	Ea.	668.62	3,343.10
155	providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on single phase 240 V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed (i)25Amps. DP Cat. III	30.00	Ea	1969.5	59,085.00
156	providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on single phase 240 V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed (ii) 40Amps. DP Cat. III	12.00	Ea	2235.13	26,821.56

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
157	Supplying and erecting triple pole & neutral 440V / 500V panel mounting Copper Busbars with four equal Nos. of electrolyte bus having current density not more than 1.6 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 bar, erected in existing cubical panel with necessary connections. (A) Suitable for 100 Amp. Capacity	12.00	Ea	1961.42	23,537.04
158	Supplying and erecting triple pole & neutral 440V / 500V panel mounting Copper Busbars with four equal Nos. of electrolyte bus having current density not more than 1.6 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 bar, erected in existing cubical panel with necessary connections. (B) Suitable for 200 Amp. capacity	3.00	Ea	3202.71	9,608.13
159	Supplying and erecting triple pole & neutral 440V / 500V panel mounting Copper Busbars with four equal Nos. of electrolyte bus having current density not more than 1.6 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 bar, erected in existing cubical panel with necessary connections. (C) Suitable for 300 Amp. capacity	5.00	Ea	4909.61	24,548.05
160	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 25 KA. at 415 V, having normal current rating up to 25 A to 100A. with Fixed 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. Cat III	16.00	Ea	6173.12	98,769.92

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
161	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. at 415 V. having normal current rating 125A. with Fixed 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. Cat III	2.00	Ea	8055.76	16,111.52
162	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. and above at 415 V . having normal current rating 250A. 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. Cat III	2.00	Ea	20946.39	41,892.78
163	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 50 KA and above at 415 V having Normal current rating 400A. 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. Cat III	2.00	Ea	25228.79	50,457.58
164	Supplying & erecting approved make Four Pole 415V change over switch interior for panel mounting with operating mechanism A.C.23 duty confirming to IS for (F)400A cat III	1.00	Ea	22255.35	22,255.35

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
165	Providing & erecting weather proof, dust & vermin proof, floor mounted front operated indoor type cubical panel board necessary IP- 42 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 accessories , 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	10.00	Sq. Mtr.	14902.55	1,49,025.50
166	(ii) with 550 mm. Depth	4.00	Sq. Mtr.	19387.96	77,551.84
167	Providing , erecting , fabricating the M.S. structure as per requirement on site incorporating proper size of M.S. angles,square,round, 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.	210.00	Kg.	77.77	16,331.70

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
168	Providing and erecting multifunctional meter suitable for application of Power monitoring and showing measurement of following Voltage, Frequency, Apparent energy, Apparent power, Active and reactive energy, Active and reactive power, Average voltage Vavg, Peak demand power PM, QM, SM, Demand power P, Q, S, Apparent power S, S1, S2, S3, Unbalance current, Power factor and displacement PF (signed, four quadrant), Calculated neutral current, Active, reactive, apparent energy (signed, four quadrant), Active power P, P1, P2, P3, Voltage U21, U32, U13, V1, V2, V3, Phase currents, Average current lag, Peak demand currents, Reactive power Q, Q1, Q2, Q3, Demand current I1, I2, I3, [Us] rated supply voltage 40...300 V AC 45...65 Hz, 40...300 V DC, Network frequency 50 Hz, Type of network 3P, Display type 7 segments LED, Display colour Red, Messages display capacity 3 fields of 4 characters, Display digits 12 digit(s) - 14.2 mm in height	6.00	Ea	14123.84	84,743.04
169	Supplying and erecting approved make suitable panel indicator LED type lamp, lens cover, complete erected with necessary connections.	21.00	Ea	43.43	912.03
170	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.	3.00	Ea	274.72	824.16
171	Providing and erecting metallic vitrified danger notice board as per language suggested by engineer incharge for MEDIUM VOLTAGE installation to be erected as per IS-2551.	6.00	Ea	69.69	418.14
172	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. (7) Blank Plate Single	100.00	Ea	25.25	2,525.00

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
173	Providing and erecting Approved make Earth fault Relay suitable to mount with inter connection suitable to following size of moulded case circuit breaker having CT ratio & MCCB rating as following along with shunt trip 220V AC. with all internal connections & complete erected in existing M.S.housing.. (3) 250 A -400 A , CT Ratio 1/400	1.00	Ea	5415.62	5,415.62
174	Supplying and erecting, commissioning and testing of Diesel Generating set confirming to IS: 4722:1968 & 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 filter, 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 (With DEF System) and vertical hot air duct both	1.00	Ea	1396603.76	13,96,603.76
	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,				-

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
	indicator lamps duly wired with HRC fuses. The alternator & 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 & 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.DG set should have in built fuel tank capacity of minimum 8 hrs of continous running capacity on full load . Erection, commissioning and satisfactory testing as per requirement with first filling of fuel (minimum up to the 80% of fuel tank capacity), oil, etc. with guarantee / Warrantee of complete system for Two years. & with obtaining all necessary certificate from Electrical Inspector. The Capacity and Ratings of DG sets are as below. (As per new CPCB4+ Emission norms Engine With - Turbo Charger, EGR (Exhaust Gas Recirculation), CRS (Common Rail Fuel System), DOC (Diesel Oxidation Catalyst), SCR (Selective Catalytic Reduction), Integrated wiring harness				-
175	Providing & 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: 1) Power module: A pair of electromechanically interlocked contactors (for mains & generator) Overload relay for generator contactor Neutral contactor for mains and generator Power socket for connections. 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.	1.00	Ea.	222714.09	2,22,714.09

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
	3) Protection module: The engine shutdown in the unlikely event of Low lube oil pressure High cylinder head 220509temperature. V belt failure. 4) Indicators with alarm Load on generator. 5) Indicators Load on mains Engine fails to start . Emergency stop battery charger. The AMF Panel of following capacity (D) AMF Control Panel for200 KVA/250 KVA3 phase DG Set				-
176	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 core 4 Sq. mm	160.00	Mtr.	87.87	14,059.20
177	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 core 6 Sq. mm	80.00	Mtr.	107.06	8,564.80
178	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	240.00	Mtr.	131.3	31,512.00
179	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)	80.00	Mtr.	220.18	17,614.40
180	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)	370.00	Mtr.	284.82	1,05,383.40
181	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 (F) 3 1/2 core 120 Sq. mm (70 Sq. mm 1/2 core)	150.00	Mtr.	540.35	81,052.50

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
182	Providing and erecting XLPE (IS:7098)(I)-88 ISI armoured cable multistrand / Solid 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 4 Sq. mm	290.00	Mtr.	117.16	33,976.40
183	Providing and erecting XLPE (IS:7098)(I)-88 ISI armoured cable multistrand / Solid 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 6 Sq. mm	220.00	Mtr.	126.25	27,775.00
184	Providing and erecting XLPE (IS:7098)(I)-88 ISI armoured cable multistrand / Solid 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	135.00	Mtr.	140.39	18,952.65
185	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	180.00	Mtr.	153.52	27,633.60
186	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	32.00	Ea	33.33	1,066.56
187	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	10.00	Ea	38.38	383.80
188	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	22.00	Ea	38.38	844.36
189	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	8.00	Ea	47.47	379.76

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
190	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	10.00	Ea	75.75	757.50
191	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	4.00	Ea	140.39	561.56
192	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. (A) 1.5/ 2.5/4/6 Sq.mm	152.00	Ea.	6.06	921.12
193	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. (B) 10 Sq.mm	78.00	Ea.	13.13	1,024.14
194	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. (C) 16/25 Sq.mm.	32.00	Ea.	15.15	484.80
195	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.	40.00	Ea.	20.2	808.00

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
196	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. (G)120 Sq.mm.	16.00	Ea.	45.45	727.20
197	Supplying & erecting earth pit of minimum bore dia.150mm size approved make Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free hot dipped G.I.Pipes having Outer pipe dia of 50mm having 80-200 Micron galvanising, Inner pipe dia of 25 mm having 200-250 Micron galvanising, connection terminal dia of 12mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications with chamber and heavy duty cover. (A)(approved make OEM has to submit test certificate including value of earth resistance of installation duly stamped and signed by agency and officer Incharge has to ensure the value of earthing resistane mentioned in test Certificate) & having back filling compound of (B) Inner chemical (CCM Compound)- Resistivity:- 0.2 ohm / meter testing as per IEC 62561-2017, Voltage drop:- < 1 volt at no load & dry form, Sulphar content:- <2%(C) Back fill Compound :- Earthing compound should be capable to retain moisture for long time Necessary test report must be	16.00	Ea	8636.51	1,38,184.16
198	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.	50.00	Kg.	77.77	3,888.50
199	Providing and erecting required size Copper strip for earthing of H.T. OCB / ACB/ Transformer, LT panel board, Motors etc. using copper clamp.	40.00	Kg.	794.87	31,794.80
200	Providing and erecting Annealed bare Copper wire 8 to 16 SWG.	20.00	Kg.	794.87	15,897.40
201	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. CAT II	10.00	Ea	2534.09	25,340.90

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
202	Providing & erecting Approved make Ceiling Fan with double ball bearing with Condenser 230 volt A.C.50 Hz. 900 mm sweep complete having 3 Aluminium blades, canopy erected complete. [Make shall be approved by Engineer in Charge]	10.00	Ea	1982.63	19,826.30
203	Providing & erecting Approved make Power Saving 50 Watt Ceiling Fan with double ball bearing ISI mark with Condenser 230 volt A.C. 50 Hz 1200 mm sweep complete having 3 blades with aluminium blades with , canopy & 30 cm. down rod erected with earthing.(Make shall be approved by Engineer in charge))	80.00	Ea	1948.29	1,55,863.20
204	Supplying and erecting 19 / 20 mm. nominal bore Medium Class M.S. Pipe down rod erected duly painted for fan complete with proper insulation without leakage and earthing.	90.00	Mtr.	108.07	9,726.30
205	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.	90.00	Ea	108.07	9,726.30
206	Providing 2.5mm.thick laminated acrylic sheet to cover the fan hook or Fan box.	90.00	Ea.	18.18	1,636.20
207	Supplying & erecting approved make low noise decorative exhaust fan having square frame ABS body with inbuilt lowers & square frame. 200mm with 1350RPM Cat.II	35.00	Ea	1703.87	59,635.45
208	Providing recess in wall or window frame suitable for erection of Exhaust fan complete with plastering and colour washing to match the colour of the wall or window complete with expanded metal in order to render the fitting in accessible and the room water-proof.	35.00	Ea	189.88	6,645.80
209	Supplying and erecting led lamps with following wattage capacity of 220 to 240 voltage, minimum 15000 burning hours life, 500 V in built-surge protection,Polycarbonate diffuser, mounting suitable for E14 / E27 / B22 lamp holders, pf >= 0.5 (A) LED Lamps integral type, with PC diffuser suitable LAMP holder (ii) 5 to 8 watts cat - III	40.00	Ea	112.11	4,484.40

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
210	<p>Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/aluminium pressure die cast powder coated and high U.V. & corrosion resistance with diffuser housed in aluminium casted body with company mark/name</p> <p>160V to 270V,Power Factor more than 0.95, THD < 15 %,</p> <p>CCT 3000 K to 6500K,</p> <p>Luminaire efficacy> 85 lumens/watt ,</p> <p>LED driver efficiency > 85 %</p> <p>(fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.)</p> <p>(A) Square/ Circular shaped Surface/Recessed Mount Downlight with provision for spring loaded mounting clips complete.IP20</p> <p>(ii) 12 watts, Surge-2 KV cat III</p>	100.00	Ea	427.23	42,723.00
211	<p>Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/aluminium pressure die cast powder coated and high U.V. & corrosion resistance with diffuser housed in aluminium casted body with company mark/name</p> <p>160V to 270V,Power Factor more than 0.95, THD < 15 %,</p> <p>CCT 3000 K to 6500K,</p> <p>Luminaire efficacy> 85 lumens/watt ,</p> <p>LED driver efficiency > 85 %</p> <p>(fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.)</p> <p>(A) Square/ Circular shaped Surface/Recessed Mount Downlight with provision for spring loaded mounting clips complete.IP20</p> <p>(ii) 15 watts, Surge-2 KV cat III</p>	210.00	Ea	427.23	89,718.30

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
212	<p>Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/aluminium pressure die cast powder coated and high U.V. & corrosion resistance with diffuser housed in aluminium casted body with company mark/name</p> <p>160V to 270V, Power Factor more than 0.95, THD < 15 %, CCT 3000 K to 6500K, Luminaire efficacy > 85 lumens/watt, LED driver efficiency > 85 %</p> <p>(fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings. The Engineer incharge may select any wattage capacity between the ranges shown.)</p> <p>(A) Square/ Circular shaped Surface/Recessed Mount Downlight with provision for spring loaded mounting clips complete. IP20</p> <p>(iii) 16-20 watts, Surge-2 KV cat III</p>	350.00	Ea	589.84	2,06,444.00
213	<p>Supplying and Erecting Of L.E.D. type High bay fixture having Power Consumption of following watts with, Input Voltage 110 - 290 V.AC with full efficiency, Power Factor > 0.9 with 50/60 HZ, CCVC LED Driver used for maximum power saving, Best Quality Aluminium alloy housing and aluminium Dome for better heat dissipation, CCT Cool white (6000K), CRI 80, Beam angle > 120 degrees, working temperature -20 deg c to +55 deg c, Body IP 65</p> <p>(A) 70 to 90 watts cat III</p>	6.00	Ea	5256.04	31,536.24

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
214	LED Sign Board letter as per drawing including GIDC Logo" with ACP background Supplying & erecting with required angle iron/pipe supports of one complete signboard having 3.0 mm thick Alluminium Composite Panel (ACP) fascia on the front side. 1.5" Sq. hollow pipe structure frame with back side & surrounding 8" cover up by 24/26 swg pre coated CRC sheet. All text symbol made out-of Acrylic cover letters having 3.0" embosed with LED modules & required power supply & LEDs lighting & Acrylic Cover letters as per text & symbol as directed by Engineer - In Charge. The size of signboard be of 7 m x 0.9 m looking to the site area. Make: As per approved by Engineer In charge.	1.00	Sq. mtr	16191	16,191.00
215	65" UHD Interactive Display 20 point Touch WIndows, 10 point touch Android 3x HDMI 2.0 In, 1x DP In, 1x C=VGA In, 1x HDMI Out, 6x USB Port, 1x SPDIF Out, 2x RJ-45, 1x RS-232 Port. 1.07 Billion DIsplay Colors Contrast Ratio: 1200:1 Brightness: 390cd/m2. BIS certification, FCC Class A, Country of Origin Certificate	5.00	Ea.	155150	7,75,750.00

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
216	<p>Full HD Recording Codec. Supports 1080p60fps 2x HDMI/DP/DVI Input Port. 2x HDMI Output. Supports 1080p60 fps and Video Routing to any Output. 1x Balanced XLR input. 1x Unbalanced Line Input. 1x Balanced Line Output. 2x USB2.0 Interface. 1 RJ-45 port for IP network. Support TCP/IP, DHCP, HTTP, HTTPS with SSL/TLS, RTP, RTCP, SNTP, ARP Input resolution: 1024x768, 1280x768, 1280x960, 1366x768, 1400x1050, 1600x900, 1680x1050, 720p, 1080p. Coding/decoding resolution: 800x600, 1024x768, 1280x1024, 1280x720, 1920x1080. Output resolution: 800x600, 1024x768, 1280x1024, 1280x720, 1920x1080. Acoustic Echo Cancellation, Automatic Gain Control, Acoustic Noise Suppression Support Administrator password, SSH/HTTPS. Infra Red pass through as well as remote upgrade through network. RS-232 Control port for third party control.</p>	1.00	Ea.	267500	2,67,500.00
217	<p>Full High Definition PTZ Camera with 12X Optical and 12X Digital Zoom. 1/2.7" HD CMOS sensor. HDMI 2.0 and USB 3.0 synchronous Video output. 1080p60 resolution on both HDMI & USB3.0 Interface. RJ-45 Port for Video Monitoring and Streaming Applications. Inbuilt RTSP/RTMP Server. 4 Infra Red Identities Inbuilt. Wide Viewing Angle of 72.5°. High frame rate of 60FPS on USB 3.0 port as well as HDMI Port. TCP/IP Control, RS-232 as well as RS 485 Control.</p>	1.00	Ea.	190425	1,90,425.00
218	<p>Super Cardioid Pickup Pattern. Priority Function for Host with Capacitive Touch Buttons. Frequency response of 60 to 20,000 Hz. Built In Loudspeaker with Volume Control & 3.5mm Headphone Interface. 6 Pin Connectivity with base station.</p>	2.00	Ea.	45432	90,864.00

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
219	Super Cardioid Pickup Pattern. Capacitive Touch Buttons. Frequency response of 60 to 20,000 Hz. Built In Loudspeaker with Volume Control & 3.5mm Headphone Interface. 6 Pin Connectivity with base station.	6.00	Ea.	44887	2,69,322.00
220	Central Control Unit with 4" Touch Screen & 3rd Gen of audio processing algorithm Noise suppression 1x Balanced Audio Input and Audio Output Inyeface. 1x Unbalanced Audio Input and Audio Output Interface 2x 25 Watts@ 4 Ohm Amp Output. Max NOM upto 8 Conferencing Modes: Nomal and Voice Activation. RS-232, RS-485 and RJ-45 Control port. 4x Aviation 6-Pin Interface. Inbuilt recording with Playback.	1.00	Ea.	448765	4,48,765.00
221	10M Control cable for HPS controller to HPS microphone	1.00	Lot	17120	17,120.00
222	240 Watts or more Mixing Amplifier 4 or more Microphone Inputs with Individual Phantom Power Line Inputs x2 Mixed Line Ouput x1 Individual Gain Control for Microphone Inputs 4 or 16 Ohm, 100V or more Output AC & DC Operation with Auto Cool Function	1.00	Ea.	102720	1,02,720.00
223	Digital Signal processor with inbuilt AEC.It shall have 4 or more balanced Mic/Line Input Interface.It shall have 4 Line output ports.It shall have USB Audio Interface only for soft applications.It shall support Acoustic Echo Cancellation, Noise Reduction, AGC.	1.00	Ea.	165850	1,65,850.00
224	Wall Mount Speakers with 5 Inches Driver and 1 inch High Frequency Driver. 100V tapping. Frequency response of 60 Hz to 20,000. Maximum SPL of 104dB. Transformer tapping of 30W/15W/7.5W/3.75W Watts or more. Make & Model : AdonisAV Nyxx	4.00	Ea.	21293	85,172.00

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
225	27' HDMI 2.0 Active Optical Cable. Support data rate upto 18 Gbps. Resolutions upto 3820x2160@60 Hz@4:4:4. Support HDMI 2.0. Support HDCP 2.2. Highly resistant with RF and EMI interference. No External Power Supplies.	3.00	Lot	21293	63,879.00
226	27' USB 3.0 Active Optical Cable Only. Support data rate of upto 5Gbps. Support resolutions of upto 1080p@60 Hz or higher. Support USB 3.0. Resistant with RF and EMI interference. 4mm Cable OD..	2.00	Lot	22470	44,940.00
227	CPU shall be with Core i5 Processor. It shall have 8 GB Ram or more. It shall have 512 GB HDD/256GB SSD or better. It shall have 2x USB3.0 interface, 1 x HDMI interface, 1x 10/100/1000 LAN interface. It shall have 2x USB2.0 Intrrface. It shall have genuine windows 11 professional series Operating System or better.	1.00	Ea.	69550	69,550.00
228	15U 500watt smart AV rack with colling option	1.00	Ea.	144450	1,44,450.00
229	Supplying & erecting dual channel amplifier ,power handling capacity of 180 watt ,four micro phone inputs with independent level control ,built in FM tuner,with preset memories,USB drive & SD card for MP3 playback ,100v /telephone input with priority and VOX,frequency response-80 Hz to 18k Hz Philips / /distortion less than 1% @ rated power up to 50 units [[Approved by Competent Authority i.e. not Below the rank of Executive Engineer]	1.00	Ea.	11128.18	11,128.18

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
230	SITC of 3LCD Lamp based projector having wxga (1280x800) or better resolution with minimum white brightness of 3800 lumens and color brightness of 3800 lumens. The projector should have minimum 1HDMI,1VGA input. Having contrast ratio of 15000:1 or more. the projector should have auto vertical key stone correction of +/- 30 degree and Manual Horizontal of +/-30 degree. the projector should have optical lens, throw ratio 1.30-1.56:1. Zoom Factor of 1.2. Lens focus Manual having focal length 16.9mm to 20.28mm. projector should have features like AV mute slide, quick corner and split function and should support wireless functionality with inbuilt wifi or wifi dongle. [Approved by Competent Authority i.e. not Below the rank of Executive Engineer]	1.00	Ea.	33895.6	33,895.60
231	SITC of 100 inch Self Lock MW (7 x 5) Instalock Slow Retraction Screen, Aspect Ratio-4:3 [Approved by Competent Authority i.e. not Below the rank of Executive Engineer]	1.00	Ea.	3810.73	3,810.73
232	SITC of Rack Mounting kit for the control unit. [Approved by Competent Authority i.e. not Below the rank of Executive Engineer]	1.00	Ea.	4814.67	4,814.67
233	Providing & erecting approved make Fingerprint and card based Premium Door Controller with LCD and Keypad having following features. (A) Optical Fingerprint and Card based Reader (Card personality Module not included) (B) Dot-Matrix LCD and Touch sense Keypad (C) Built-In interfaces like door lock, door sense, exit Reader, Exit switch, Ethernet RS485, Aux Input & Aux Output Port (D) 5000 Events, Access Control, Time Attendance, Tamper Detection (E) 4 LEDS and Buzzer	20.00	Ea.	23145.16	4,62,903.20
234	SITC of Ceiling speaker, 6W, metal [Approved by Competent Authority i.e. not Below the rank of Executive Engineer]	80.00	Ea.	649.43	51,954.40

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
235	Supplying & erecting 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. [[Approved by Competent Authority i.e. not Below the rank of Executive Engineer]	2.00	Ea.	11298.87	22,597.74
236	Supplying and erecting Flexible PVC insulated multi strand multi core 1.1 kv grade ISI marked copper wires of following size to be erected as directed. (d) 1.50 Sq.mm 2 core round PVC sheathed	750.00	Mtr.	31.31	23,482.50
237	Providing & erecting water cooler having storage capacity 150 Ltr. & cooling capacity 150 Ltr.per hour @ an ambient temp of 45° C. The outlet temp. of the water should drop by 15°C 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	Ea.	55893.4	1,67,680.20
238	Supplying & erecting reverse osmosis (RO) water purification system with M.S. powder coated pedestal frame, prefilter housing carbon filter suitable buster DC pump, auto low & high pressure switches with following size of LPH capacity & erected as directed [E] 200 LPH with 1 phase / 3 phase Raw water pump of 1000LPH @ 2.5kg/cm2 (1N0 - Kirloskar/CRI/Lubi) , Dual media filter 10"x54" (1 No), Micron catridge filter 20" x 2.5" - (1No), High pressure pump 1000LPH @ 10kg/cm2 - (1No - Shinge /CRI /Lubi) , RO Membrane housing with RO membrane of 40*40 - (1 No),RO pressure tube 4" x 1E-(1No), 0-1200LPH Rotameter-(2 Nos). Recovery Rate 50%.	2.00	Ea.	93468.43	1,86,936.86

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
239	Supplying and erecting approved make online Un-interruptible Power Supply system comprising flat cum-boost charger with IGBT base rectifier & Inverter & sealed maintenance free SMF batteries. The charger having operating capacity for input 160-270V AC & inverter having output 230V,50 Hz Ac 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 power backup.with MS painted batteries stand, 10% Overload capacity for momentary load. (I) 10 KVA 3 - phase with 1Hr Backup	5.00	Ea.	270989.06	13,54,945.30
240	S.I.T.C. submersible pump set suitable for bore of 100 mm. dia. or more having three phase motor capacity not more than 5 H.P. with following capacity . Lifting and Lowering taken extra. (B) (16 stage) 140 to 180 LPM discharge at 96 to 69 mtrs. head respectively suitable for 50mm dia. delivery pipe cat III	1.00	Ea.	22374.53	22,374.53
241	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.	65.00	Mtr.	295.93	19,235.45
242	Providing & erecting open well type horizontal mono block pump set with stainless steel body having following specification (C) 1 H.P. single phase open well motor pump set suitable for 185 LPM discharge @ 25 mtr. head, suitable for 32 mm dia. Delivery pipe with control panel. Cat III	1.00	Ea.	9613.18	9,613.18
243	Providing & erecting open well horizontal mono block pump set with cast iron body, complete for three phase submersible motor having [C] For 3 HP 3 phase open well horizontal mono block pump set suitable for 85 LPM to 270 LPM @ 11 mtr to 33 mtr head suitable for 50/65 mm dia delivery pipe Cat III	1.00	Ea.	15707.52	15,707.52

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
244	Supplying & erecting approved make Automatic liquid level controller 6A. with sensor testing as per instruction of Engineer in charge on site complete with wiring connection with existing wires , with copper conductor from pump to upper and lower tank.	3.00	Ea.	2355.32	7,065.96
245	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) (A) DOL up to 5.0 H.P.	3.00	Ea.	7250.79	21,752.37

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
246	Supplying and erecting approved make GRP / FRP Perforated type Cable Tray Material – Corrosion Resistant Polyester Flame Retardant U.V. Stabilized Resin System - Manufactured from Pultruded Sections- Polyester Resin System, Glass Content : 55 – 60 % - - Standard Length : 3000mm- Support Span – 1500mm, Deflection L/200 - Specification NEMA FG1 1993- UV Resistant - Flame Retardant – IS 6746 - Appendix K/UL 94, Very Low Flammability - Specification Followed NEMA FG1 1993 Oxygen Index – Minimum 30% as per ASTM D 2863 - Flame Spread (Extent of Burning) – 20mm as per Standard ASTM D 635 - Tensile Strength – 4000 – 8000 Kg/Cm2 as per Standard ASTM D 638 - Flexural Strength – 2500 – 10000 Kg/Cm2 as per Standard ASTM D 790- Izod Impact Strength – 130 Kg/Cm2 as per Standard ASTM D 256- Compressive Strength – 2500 – 5000 Kg/Cm2 as per Standard ASTM D 695- Barcol Hardness – 50 – 65 (C) Width - 100mm, Pultruded “C” Channel with 35mm Sides 3mm Thickness, Loading 12 Kg./Mtr.	220.00	Mtr.	180.79	39,773.80
247	(D) Width - 150mm, Pultruded “C” Channel with 30mm Sides 3mm Thickness, Loading 15 Kg./Mtr.	230.00	Mtr.	232.3	53,429.00
248	(F) Width - 300mm, Pultruded “C” Channel with 50mm Sides 4mm Thickness, Loading 30 Kg./Mtr.	320.00	Mtr.	531.26	1,70,003.20
	Supplying & laying under floor pregalvanised corrosion proof rectangular sheet steel cable trunking of 1.6 mm thick having with stand point load up to 1.33 ton & free from seepage of concrete of screed water having following size of dimensions and No of compartments (W x D x T)				-
249	50mm x 38mm x 1.6 mm with One Compartments	550.00	Mtr.	420	2,31,000.00
250	100mm x 38mm x 1.6 mm with One Compartments	750.00	Mtr.	600	4,50,000.00
	PVC/ GI Junction cross over box for metal/ Al. trunking with duct entry 25mm x 38mm size having epoxy powder coated trap lead with corrosion & rust free having load bearing capacity of 3.6 tons with adjustable levelling screw of following size.				-
251	150mm x 150mm x 60/75 mm depth	80.00	Ea.	1050	84,000.00
252	250mm x 250mm x 60/75 mm depth	30.00	Ea.	1500	45,000.00
253	350mm x 350mm x 60/75 mm depth	25.00	Ea.	2600	65,000.00
254	400mm x 400mm x 60/75 mm depth	30.00	Ea.	3200	96,000.00

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
255	Supplying and erecting approved make Conical Pole (Standard) 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 terminationas erected on suitable foundation (included) with necessary GI nut-bolts/J-Bolts. as per details given by manufacturer considering site requirement.The length of poles are as below (C) 5 Mtr. Long 65mm Top X140 mm bottom dia, 3mm thickness.	50.00	Ea.	6403.4	3,20,170.00
256	Providing 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 76.5 mm / 80mm. / require size pole top having sufficient fasteners for fixing the brackets and having spread of 1 mtr. length with suitable rise as per site condition & suitable welded stiffener reducer and nipple with check nut complete painted with one coat of Red oxide / PU base primer and two coats of Aluminium / PU paint. paint with following nos of arms. [A] Single Arm bracket 1 Mtr	40.00	Ea	561.56	22,462.40
257	Providing 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 76.5 mm / 80mm. / require size pole top having sufficient fasteners for fixing the brackets and having spread of 1 mtr. length with suitable rise as per site condition & suitable welded stiffener reducer and nipple with check nut complete painted with one coat of Red oxide / PU base primer and two coats of Aluminium / PU paint. paint with following nos of arms. [B] Double Arm Bracket 1 Mtr	10.00	Ea	758.51	7,585.10

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
258	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]	60.00	Ea	898.9	53,934.00
259	Supplying and erecting LED street light / Flood light fittings with High power White LEDs wattage of 3 Watt and above assembled on single MCPCB, efficiency more than 130 lm/w and corrosion free High pressure die cast aluminum housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses, with toughened glass with company mark/name engraved or embossed 160 to 270 V,Power Factor more than 0.95, THD < 10 %, CCT 3000 K to 5700K,Uniformity ratio >0.45, Luminaire efficacy> 100 lumens/watt . LED driver efficiency> 85 %.(fittings required LM-79 & LM-80 certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.) (A) Street Light (IP-65), Surge protection - 4KV integral and ,Light must have 440VAC line supply with over-voltage protection. (i) above 36 to 48 watts Cat-III	60.00	Ea	3345.12	2,00,707.20
260	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.	1.00	Ea	3168.37	3,168.37

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
261	Supplying & erecting power contactor ,AC3 duty for time switch complete erected as per direction Cat III (B) 2 pole 250V 32 Amp.	1.00	Ea	1883.65	1,883.65
262	Supplying and erecting Flexible PVC insulated multi strand multi core 1.1 kv grade ISI marked copper wires of following size to be erected as directed. (e) 1.50 Sq.mm 3 core round PVC sheathed	250.00	Mtr.	46.46	11,615.00
263	Providing and erecting Pipe type earthing with 40 mm dia 2.5 mtr long 'B' grade G.I. pipe with necessary coupling buch buried in specially prepared earth pit & G.I. earth wire of 8 SWG erected & connected as directed (For panel) For using salt and charcoal / coke as required for pipe type earthing.	50.00	Ea.	994.85	49,742.50
264	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	750.00	Rmt	62.62	46,965.00
265	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 (D)120 mm outer dia.	550.00	Rmt	137.36	75,548.00
266	providing and erecting Miniature circuit breaker single pole 6A to 25A 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	50.00	Ea.	112.11	5,605.50
267	Making trench in Hard Murrum / Tar Road of suitable width of 90 cm or required depth for laying any size of cable or locating the fault all over the run and back filling the same and making the surface as normal ground.	350.00	Mtr.	74.74	26,159.00

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
268	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.	550.00	Mtr.	55.55	30,552.50
269	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. [A] For 4.5 Kg Capacity	18.00	Ea	6591.26	1,18,642.68
270	Supplying & erecting ABC powder type 'Ceasefire' type Fire extinguisher as per IS 13849 or 1 Kg capacity with necessary clamp for erection on wall	18.00	Ea	848.4	15,271.20
271	SITC of Analogue Addressable Multi- Sensor which is fully compatible with Analogue Addressable Protocol, having removable high performance chamber with Twin fire LED's allow 360 degree viewing, User selectable sensitivity modes 1% to 4.5% obs/m, Incorporate Optical and dual Heat elements, lock mechanism (sensor to base), Electronically addressed, Pulsing/non-pulsing controlled from panel. Approved by LPCB & VdS. (Including Five year free maintenance with guarantee)	100.00	Ea	4500	4,50,000.00
272	SITC of sensor isolator mounting base, includes stainless steel contacts, slim profile - only 8mm, quick connection via square cable clamps, facility for remote indicator, Approved by LPCB (Including Five year free maintenance with guarantee)	6.00	Ea	2400	14,400.00
273	SITC of Analogue Addressable Manual Call Point with Integral Short Circuit Isolator, Analogue Addressable Protocol having, Bi-coloured status LED (red for alarm, amber for (short-circuit), Non-frangible element fitted as standard (conforms to EN54), pulsing/non-pulsing can selectable via panel, Electronically addressed, Approved by LPCB. (Including Five year free maintenance with guarantee)	6.00	Ea	6000	36,000.00

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
274	SITC of addressable loop powered Base sounder with integral Beacon, includes 51 user-selectable tones (all tones EN54-3 compatible), variable sound output 50 ~ 98 dB(A) (± 2 dB(A)) output at 1 metre, Auto shut down feature prevents noise pollution, 'O' rated beacon to EN-23, IP21 rated for internal use, sounder and beacon can operate independently, Approved by LPCB (Including Five year free maintenance with guarantee)	6.00	Ea	7500	45,000.00
275	Supplying & laying of 2x1.5 sqmm fire alarm armoured cable, 600/1000V rated with annealed copper conductor having XLPE insulation, steel wire armouring & FRLS outer sheath complete as required.	1000.00	Mtr.	122.881356	1,22,881.36
276	SITC of Microprocessor based Net-workable Analogue Addressable Fire Alarm Control Panel. The Panel shall be compliant with EN54-2, EN54-4 and approved by LPCB. The Fire Alarm Control Panel shall have inbuilt 3 loops and expandable upto 4 Loops. The Panel must have large graphic display. The Panel must also have the capability to take Addressable Intelligent Wired and Wireless Devices on same loop. Each loop shall have a capacity of 127 analogue Addressable devices and 127 Base sounders/Base Sounder Beacons. The Panel shall have 240 V AC power supply along with automatic Battery Charger. Approved by LPCB (Including Five year free maintenance with guarantee)	1.00	Ea	219000	2,19,000.00
	Supply, Installation, Testing and Comissioning of Fire Supression System.				-
277	Contains FK-5-1-12 Fire Suppression Fluid (2.5lbs/1.14kgs), ECS Cylinder bracket (1), EOL Adapter W/Pressure Gauge (1), Rubber Grommets (4), Plastic Loop Clamps (25)	1.00	Ea	39344	39,344.00
278	Pressure Switch point 5 bar / Signal Generator UL Listed	1.00	Ea	2832	2,832.00
279	UL Listed Head Detection Tube (Red Colour)	8.00	Ea	1138	9,104.00
280	Master Control Unit with Audio Visual Alarm	1.00	Ea	11372	11,372.00
281	End of Line Plug UL Listed	1.00	Ea	1500	1,500.00

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
282	<p>AUTOMATIC PUMPING SYSTEM: (PUMP ROOM)</p> <p>Main Fire Hydrant/Sprinkler Pump- Electric Motor Driven:</p> <p>SITC of: Back pull out type -Single Stage, Self Priming, Centrifugal Pump for Main Fire Pump with Electric Motor, Base frame and Couplings.</p> <p>MOC:-Casing-CI, Impeller- Bronze, Shaft- SS 410, Sleeve-SS410.</p> <p>Flow Capacity: 1680 LPM</p> <p>Head: 60 mtr</p> <p>Speed: 2900 Approx</p> <p>Pump shall be capable of furnishing not less than 150% of rated capacity at a head not less than 65% of rated head The shut off head shall not exceed 120% of rated head.</p> <p>UOM:-Price Per Complete set of Pump + Motor + Accessories.</p> <p>Note:-01. Minor civil work like tank hole/ Core Cutting etc. are in bidders scope.</p> <p>Location: In Pump Room</p> <p>Make: Kirloskar / Lubi</p>	2.00	Set	185275	3,70,550.00
283	<p>Jockey Fire Pump- Electric Motor Driven:</p> <p>SITC of: Back Pull-out End Suction Type -Single Stage, Self Priming, Centrifugal Pump for Jockey Fire Pump with Electric Motor, Mechanical Seal, Base-frame and Couplings.</p> <p>MOC:-Casing-CI, Impeller- Bronze, Shaft- SS 410, Sleeve-SS410.</p> <p>Flow Capacity: 180 LPM</p> <p>Head: 60 mtr</p> <p>Speed: 2900 Approx</p> <p>Pump shall be capable of furnishing not less than 150% of rated capacity at a head not less than 65% of rated head The shut off head shall not exceed 120% of rated head.</p> <p>UOM:-Price Per Complete set of Pump + Motor + Accessories.</p> <p>Note:-01. Minor civil work like tank hole/ Core Cutting etc. are in bidders scope.</p> <p>Location: In Pump Room</p> <p>Make: Kirloskar / Lubi</p>	1.00	Set	100625	1,00,625.00

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
284	Standby Fire Pump- Diesel Engine Driven SITC of: Diesel Engine driven Standby Pumping System complete with,diesel engine, Back Pull-out Type Single Stage, Self Priming, Centrifugal Pump, Couplings & Base-frame: MOC:- Pump Casing-CI, Impeller- Bronze, Shaft-SS410, Sleeve- SS410. Flow Capacity: 1680 LPM Head: 60 mtr Speed: 2900 LPM Diesel Engine includes 100 ltr diesel tank, battery, battery charger, engine oil and coolant. UOM:-Price Per Each Set. Note:-01. Minor civil work like tank hole/ Core Cutting etc. are in bidders scope. Location: In Pump Room Make: Kirloskar / Lubi	1.00	Set	39600	39,600.00
285	Fire Pump Control Panel- Auto and Manual Type. Supply, Installation and Testing of: Electric Control Panel for Electric Motor Driven Main Fire Pump and Jockey Fire Pump. all pumps can be Start Automatically (by Pressure Switch) & Manually. Design As per the Detail Specifications given. UOM:-Price Per Set. Location: In Pump Room Make: Kirloskar / Lubi	1.00	No.	87910	87,910.00
286	Air Vessel: SITC of Pressurized Air Vessel f Size 450 mm Dia x 2000 mm long fabricated from 10 mm thick MS Plate with 25 mm drain valve, air release valve with ball valve on top and isolation valve.	1.00	No.	40250	40,250.00
287	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall FRLS type with necessary clamps or in existing trench / pipe of following size of cables - 3.5 core 35 Sq. mm	40.00	Rmt	265	10,600.00
288	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. - 3.5 core 35 Sq. mm	8.00	No.	370	2,960.00

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
289	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. - 35 Sq.mm.	32.00	No.	468	14,976.00
290	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall FRLS type with necessary clamps or in existing trench / pipe of following size of cables - 4 core 16 Sq. mm	20.00	R.mtr	242	4,840.00
291	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. - 4 core 16 Sq. mm	4.00	No.	587	2,348.00
292	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. - 16 Sq.mm.	16.00	No.	700	11,200.00
293	Pressure Gauge with Siphon Tube and Cock. Supply, Installation and Testing of: Pressure Gauge with Siphon Tube and Cock. MOC:-4" Dial- Glycerin filled- Stainless Steel Body Pressure Gauge with GI Siphon Tube and Brass Cock. Size:-Dial: 4" (100 mm) Range: 0 – 16 Bar (kg/cm ²) UOM:-Price Per Unit	6.00	No.	1150	6,900.00
294	Pressure Switch with Siphon Tube and Cock. Supply, Installation and Testing of: Pressure Switch with Siphon Tube and Cock. Size:- Range suitable for System Design Pressure. UOM:-Price Per Unit	4.00	No.	1265	5,060.00

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
295	Pipe Laying. Supply, Fabrication, Installation, Hydro Testing & Painting of Under Ground Pipe. With necessary Pipe Fitments (Flanges, Bands, Socket etc.), MS Support/Clamps/Hangers etc. Hardware (Gaskets, Nut-Bolts, Paint, Wrapping-Coating etc.), Consumables (Welding Rod, etc.) and Labour Charge. Quality: GI, C-Class (Heavy). Paint: UOM:-Price Per Running Meter				-
a	Size: 150 mm	95.00	R.mtr	3380	3,21,100.00
b	Size: 80 mm	10.00	R.mtr	1890	18,900.00
296	Pipe Laying. Supply, Fabrication, Installation, Hydro Testing & Painting of Above Ground Pipe. With necessary Pipe Fitments (Flanges, Bands, Socket etc.), MS Support/Clamps/Hangers etc. Hardware (Gaskets, Nut-Bolts, Paint etc.), Consumables (Welding Rod, etc.) and Labour Charge. Quality: GI, C-Class (Heavy). Paint: UOM:-Price Per Running Meter				-
b	Size: 150 mm	270.00	R.mtr	2819	7,61,130.00
c	Size: 100 mm	60.00	R.mtr	1907	1,14,420.00
d	Size: 80 mm	50.00	R.mtr	1435	71,750.00
e	Size: 65 mm	45.00	R.mtr	1145	51,525.00
f	Size: 50 mm	45.00	R.mtr	892	40,140.00
g	Size: 40 mm	110.00	R.mtr	690	75,900.00
h	Size: 25 mm	215.00	R.mtr	418	89,870.00
297	Gate /SluiceValve Supply, Installation and Testing of: Gate/ Sluice (Rising Spindle -Screw & Yoke Type) Valve with necessary pipe fitments, hardware and consumables. MOC:-Body: Cast Iron, Disk: Cast Iron, Seat: Nitrile, Stem: SS. (With Flange Ends). Standard: ISI Marked. UOM:-Price Per Each No.				-
a	Size: 100 mm	6.00	No.	25000	1,50,000.00
b	Size: 80 mm	2.00	No.	18250	36,500.00
298	Check Valve Supply, Installation and Testing of: Check Valve (Ball type or Swing type) with necessary pipe fitments, hardware and consumables. MOC:-Body: Cast Iron (With Flange Ends). Standard: ISI Marked. UOM:-Price Per Each No.				-

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
a	Size: 150 mm	3.00	No.	6585	19,755.00
b	Size: 80 mm	1.00	No.	2780	2,780.00
c	Size: 50 mm	1.00	No.	1770	1,770.00
299	Butterfly Valve Supply, Installation and Testing of: Butterfly Valve with necessary pipe fitments, hardware and consumables. MOC:-Body: Cast Iron, Disk: SS, Seat: Nitrile. UOM:-Price Per Each No.				-
a	Size: 150 mm	2.00	No.	4315	8,630.00
b	Size: 100 mm	6.00	No.	2910	17,460.00
c	Size: 80 mm	2.00	No.	2220	4,440.00
d	Size: 50 mm	3.00	No.	1565	4,695.00
300	Strainer. Supply, Installation and Testing of: Y Type Strainer with necessary pipe fitments, hardware and consumables. MOC:-Body: Cast Iron, Mesh: SS-304. Working Pressure: 10 Bar UOM:-Price Per Each No.				-
a	Size: 150 mm	1.00	No.	40000	40,000.00
301	Air Release Valve- 25 mm Supply, Installation and Testing of: Air Release Valve Check Valve with necessary pipe fitments, hardware and consumables. MOC:-Body: Gunmetal / SS. UOM:-Price Per Each No.	2.00	No.	1175	2,350.00
302	FIRE HYDRANT, SPRINKLER & ACCESSORIES Fire Hydrant Landing Valve (Stainless Steel (SS-304), ISI Marked): Supply, Installation and Testing of: Fire Hydrant Landing Valve with necessary pipe fitments, hardware and consumables. MOC:-Body: Stainless Steel (SS-304), Working Parts: Stainless Steel (SS-304), Coupling: Stainless Steel (SS-304), Standard: -ISI Marked. Size:-63 mm (Flange End: NB 75 mm, PCD 160 mm) UOM:-Price Per Each No.	9.00	No.	3735	33,615.00
303	Fire Hose Pipe (Delivery Hose)- 63 mm x 15 m Supply, Installation and Testing of: Fire Hose with Hose Couplings. RRL (ISI Mark- Type A) Fire Hose. Hose Couplings: ISI Marked Stainless Steel. With SS Wire Binding. Standard: - ISI Marked & TAC Approved Hose. Size:-63 mm dia x 15m long Hose. UOM:-Price Per Each Set.	18.00	No.	3100	55,800.00

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
304	Cabinet For Fire Hose (Hose Box)- Double Type Supply, Installation and Testing of: Fire Hose Cabinet (Hose Box) suitable to accommodate 02 no. of 15 m long fire hoses and 01 no. of nozzle. With Lock-n-key facility. Wall Mounting Design. MOC: 16 Gauge MS Box with Powder Coating Standard: - As per Guidelines. Size:- Suitable for 02 nos. of 15 m long hoses. UOM:-Price Per Each No.	9.00	No.	2635	23,715.00
305	Fire Hose Nozzle- Short Branch Pipe Nozzle. Supply, Installation and Testing of: Short Branch-pipe Nozzle. MOC: Stainless Steel (SS-304). Standard: ISI Marked, Heavy Quality. Size:- 63 mm X 20 mm UOM:-Price Per Each No.	9.00	No.	1150	10,350.00
306	Fire Hose Reel Set (ISI)-19 mm x 30 m -Rubber Hose. Supply, Installation and Testing of: Fire Hose Reel Set with necessary pipe fitments, hardware and consumables. MOC:-Drum: 16 G Powder Coated MS, Hose: 19 mm X 30 m heavy-duty RUBER hose. Shut-off Nozzle: SS-304. With Control Valve: SS- 25mm Ball Valve. Standard: ISI Marked. Heavy Quality. Size:-19 mm dia x 30m long Hose. UOM:-Price Per Each No.	3.00	No.	5485	16,455.00
307	Fire Service In-let (In-let Connection for Fire Brigade)-4 Way Type. Supply, Installation and Testing of: Fire Service Inlet with necessary hardware and consumables. MOC:-Body: Heavy-duty CI. Couplings/NRV: Gunmetal. Standard: -Made As per IS Standard- Heavy duty quality. Size:-Couplings: 63 mm, 150 mm E-table Flange End. UOM:-Price Per Each No.	2.00	No.	5660	11,320.00

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
308	Sprinkler Head/ Nozzle. Supply, Installation and Testing of: K 5.6 Pendent type Standard Response Sprinkler rating of 57 deg.C. with required accessories. MOC:-Brass Standard: UL Listed Size:-15 mm (1/2") UOM:-Price Per Each No.	220.00	No.	126	27,720.00
309	Flow Switch Supply, Installation and Testing of: Flow Switch with necessary pipe fitments, hardware and consumables. UOM:-Price Per Each No. With all wiring/ cabling up to control panel and all electrification.	3.00	No.	4315	12,945.00
310	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Copper conductor for 1.1 KV. to be laid on wall FRLS type with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cable. (a) 3 core 2.5Sq. mm	500.00	Rmt	185	92,500.00
311	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 Sq. mm	14.00	No.	585	8,190.00
312	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. (A) 1.5/ 2.5/4/6 Sq.mm	56.00	No.	667	37,352.00
313	Providing and fixing, testing and commissioning of Draining Valve 50mm dia with by pass drain connection as required.	3.00	No.	1565	4,695.00
314	Fire Extenguisher Providing and fixing, testing and commissioning of CO2 type Fire Extinguisher of capacity 22.5 kg filled with Co2 Gas as per IS 15222 with controll discharge mechanism fitted with Hose, Horn & TROLLEY confirms to IS 2878 bearing ISI mark. Co2 Cylinder as per IS 7285.	3.00	No.	26165	78,495.00

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
315	Fire Extinguisher- ABC Powder type, 6 kg. Supply, Installation and Testing of: ABC Powder Fire Extinguisher necessary hardware and consumables. Stored Pressure Mechanism. Charged with MAP-50 % (ABC) Dry Powder. With wall mounting clamp. Size:-6 kg Powder. UOM:-Price Per Each No.	18.00	No.	2645	47,610.00
316	Fire Extinguisher- CO2 Gas type, 4.5 kg. Supply, Installation and Testing of: CO2 Gas Fire Extinguisher with necessary hardware and consumables. Standard: - Confirming to IS: 15683-2006 with ISI Mark. Size:-4.5 kg UOM:-Price Per Each No.	18.00	No.	5465	98,370.00
317	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.	4.00	No.	3220	12,880.00
318	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.	1.00	No.	4600	4,600.00
319	Safety Signage- Night Glow Type: SIRC of: Single Side Printed Night Glow (Glow in Dark) Safety Signage. Printed on PVC sticker sheet and pasted on 3-5 mm thick PVC foam sheet. Size: 10" X 10".	50.00	Nos	575	28,750.00
320	CIVIL MISCELLANEOUS ITEM RCC Hume Pipe: Providing and Laying NP3 RCC Hume Pipe of 300 mm at road crossing	95.00	Rmtr	850	80,750.00

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
321	CERTIFICATION & FIRE N.O.C. CHARGES Approval of Fire Hydrant & Entire Fire Protection System from Local Fire Authority and any other relevant statutory authority at initial and various other stages of work, including preparation of report/drawings as per fire authority requirement. Contractor shall include cost of all liason work which are not explicitly mentioned above but are mandatory to have fire authority approval (any statutory charges will be paid extra).	1.00	Nos	100000	1,00,000.00
322	(a) General Features & Special Features of the all lift items shall be taken as below.	1.00	Ea.	1903349.04	19,03,349.04
	(A) GENERAL DESCRIPTION OF LIFTS.				
	[1] GEAR LESS LIFT DRIVE (MRL) comprising of High Starting torque Lift 3 phase 440 V A. C. Permanent Magnet Synchronous motor of proper rating with high efficiency shall be used.[2] Micro processor based / PLC, ACVVVF, vector control drive with encoder feedback closed loop system shall be used for lift car and door operation which shall be full collective selective operation hall call demand response, UP/DOWN hall stops, Main, Up/ Down Contactor with overload and phase reversal relay and safety controls.				
	[3] Car with M S platform with bracings of adequate size and to sustain the impact load cabin + passenger with safety factor of fire for steel and side panels of Stainless steel of sheet of grade 304 duty. Car ceiling will be S.S. finishes with aesthetic appearance with LED ceiling lights. Car flooring shall be of s/s 304 chaker plate design sугeested of engineer in charge. of engineer in charge. Car doors shall be of stainless steel grade 304, hairline finish with centre opening / telescopic automatic doors. Car panel will also be S.S. 304 finished with emergency stop device, mechanical door safety device, facility of auto/ attended mode. All car panel buttons and all floor switches must be with brail language as per lift act.				

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
	<p>[4] All landing doors must be fire rated for 2 hour shall be fully automatic centre opening/ telescopic opening made of hairline finish steel grade of 304 with key holes and infrared curtains with Unlocking facility from outside</p> <p>[5] Appropriate battery operated emergency light in the car along with alarm switch shall be provided. Also, Emergency Light & Fan should start immediately without any Time Delay as soon as power fails.</p> <p>[6] Digital scrolling indicator system for up-down arrow along with floor position indicator shall be provided inside the car and at all floors.</p> <p>[7] Full height infra red curtain with multiple cross / crossing light beams shall be provided.</p> <p>[8] Automatic Rescue Device (ARD) shall be provided accordingly of passenger capacity with Manual Rescue Operation (Manual Cranking Facility).</p> <p>[9] Audio visual indication in the lift car showing over loading shall be provided such that doors kept open till excess load is removed.</p>				
	<p>[10] Spring buffers/PU Buffers shall be provided.</p> <p>[11] Car fan as per passenger capacity with automatic sleep timer shall be provided.</p> <p>[12] Voice annunciator with suitable music shall be provided in lift car.</p> <p>[13] Self diagnostics system for operational and safety parameters shall be provided in control panel.</p> <p>[14] Mechanical over speed governor with governor calibration as per actual site parameters and submission of calibration certificate submission, door key holes in the floor doors, fireman switch shall be provided.</p> <p>[15] Lift machine hoisting arrangement in the lift machine room and monkey ladder for lift pit should be provided by the lift agency, along with the other steel structure works, foundations for the machine etc...</p> <p>[16] In the hoist way fascia plate shall be provided without any extra cost, where ever required as / if directed by engineer in charge.</p>				

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
	<p>[17] Permanent wiring with necessary safety devices like RCCB in all circuit, Over Voltage Under Voltage protection and THD eliminator in circuit for lift machine room and lift well with proper numbers of light points, with fixtures, exhaust fan and plug points shall be provided by the agency. Only 3 phase Power Supply shall be made available by department in lift machine room. Necessary Earthing as per Lift Act/Rules shall be arranged by Lift Agency.</p> <p>[18] Any civil/ electrical works for additional and alteration in lift shaft and machine room related to erection of lift shall be made by lift agency without any extra cost. (granite/marble fixing around all landing door openings are not in lift agency's scope.)</p> <p>[19] Agency has to provide all working drawings and documents and liaison services for obtaining all necessary permission from lift inspector and other authorities. [20] acrylic transparent licence/display A4 size holder in lift car</p>				
	<p>[20A] As per statutory requirement of Govt. Of Gujarat lift & escalator act 2000, lift agency has to provide</p> <ol style="list-style-type: none"> 1. Car top safety barricade 2. Push & talk communication system. 3. Fireman's switch operation at Ground Floor. 4. carrying out third party lift inspection during/after lift erection and provide report by third party authorized by concern licensing authority 5. agency has to provide third party insurance upto completion of free maintenance period and submit the document for the same. 				

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
	<p>[21] Car Panel Operating Buttons with floor position indicator/buttons must be of Auto Glow type clearly visible when view from inside cabin.</p> <p>[22] For Physically Handicapped person Full Length Handrails of hairline finish steel grade of 304 should be provided at appropriate height on the Rear & Side Wall Panels in Lift Car. [23] With Necessary KVA rating voltage controlled Stabilizer suitable for your controller, drive and all equipments of lift.</p> <p>[24] Necessary rating of DP Elcb and FP Elcb required for lift is in scope of work which rating is suggested by CEICED Department (electrical Inspector)</p>				
	DESCRIPTION OF LIFT :				
	Supplying, Erecting, Testing & Commissioning the passenger lift having following main features:				
	15/16 Passengers, Ground plus 2 upper floor with Rated Speed of 1.0 m/sec., (C) With General PLUS ADDITIONAL SPECIAL FEATURES attached herewith. Prem. Cat.				
323	<p>Providing and erecting Inverter based approved make split air-conditioning unit consisting of condensing unit with variable speed fan motor, inverter type hermetically sealed rotary compressor with accessories etc. duly connected separately erected evaporating unit and blower motor with its accessories by means of extra supplied proper insulated copper tubing, drain PVC pipes suitable for (cost includes Eco Friendly green gas charging and 15A plug top & Remote Control & MS Stand) with necessary core cutting.</p> <p>(2)For ISEER Range (KWH/KWH)(4.0 to 4.49)</p> <p>(A) for 1.0 ton capacity- Premium Cat.</p>	10.00	Ea.	44659.17	4,46,591.70

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
324	Providing and erecting Inverter based approved make Cassette type split air-conditioning unit consisting of condensing unit with fan motor, hermetically sealed scroll/rotary compressor with accessories etc. duly connected separately erected evaporating unit and blower motor with its accessories by Eco friendly Green gas charging & Internal copper wiring & Remote control (3 star and above of current year) with necessary core cutting. (A) for 1.5 ton capacity (1 Way)	12.00	Ea.	69368.82	8,32,425.84
325	Providing and erecting Inverter based approved make Cassette type split air-conditioning unit consisting of condensing unit with fan motor, hermetically sealed scroll/rotary compressor with accessories etc. duly connected separately erected evaporating unit and blower motor with its accessories by Eco friendly Green gas charging & Internal copper wiring & Remote control (3 star and above of current year) with necessary core cutting. (B) for 2 ton capacity (1 Way)	10.00	Ea.	80731.32	8,07,313.20
326	Providing and erecting Inverter based approved make Cassette type split air-conditioning unit consisting of condensing unit with fan motor, hermetically sealed scroll/rotary compressor with accessories etc. duly connected separately erected evaporating unit and blower motor with its accessories by Eco friendly Green gas charging & Internal copper wiring & Remote control (3 star and above of current year) with necessary core cutting. (A) for 1.5 ton capacity (4 Way)	5.00	Ea.	69368.82	3,46,844.10
327	Providing and erecting Inverter based approved make Cassette type split air-conditioning unit consisting of condensing unit with fan motor, hermetically sealed scroll/rotary compressor with accessories etc. duly connected separately erected evaporating unit and blower motor with its accessories by Eco friendly Green gas charging & Internal copper wiring & Remote control (3 star and above of current year) with necessary core cutting. (B) for 2 ton capacity (4 Way)	11.00	Ea.	80731.32	8,88,044.52

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
328	Providing and erecting Inverter based approved make Cassette type split air-conditioning unit consisting of condensing unit with fan motor, hermetically sealed scroll/rotary compressor with accessories etc. duly connected separately erected evaporating unit and blower motor with its accessories by Eco friendly Green gas charging & Internal copper wiring & Remote control (3 star and above of current year) with necessary core cutting. (C) for 3 ton capacity- 1/3Phase (4 Way)	1.00	Ea.	131862.57	1,31,862.57
329	Supplying and erecting insulated pair of soft copper tubing open or concealed including power and control cable,necessary PVC drain pipes for Split AC machine up to 4 TR capacity	300.00	Mtr.	965.56	2,89,668.00
330	Supply, Installation, Testing and Comissioning of 4MP Varifocal Lens Dome Type Camera, H.265 4MP IR Turret Dome N/W Camera, Manual Varifocal 2.8-12mm, 50M, Micro SD, DC12V/PoE, IP67/IK10, Basic IVA, 4MP resolution (2560 × 1440), True day/night, Digital WDR, 3D DNR, HLC & BLC, Triple streams, Smart codec by ROI, Built in MIC, Cyber Security, Basic intelligent video analytics, Audio In, NDAA Compliance, UL, CE, FCC Certified (Including Five year free maintenance with guarantee)	94.00	Ea.	11345	10,66,430.00
331	Supply, Installation, Testing and Comissioning of 4MP Varifocal Lens Bullet Camera, H.265 4MP IR Bullet N/W Camera, Manual Varifocal 2.8-12mm, 50M, Micro SD, DC12V/PoE, IP67/IK10, Basic IVA, 4MP resolution (2560 × 1440), True day/night, Digital WDR, 3D DNR, HLC & BLC, Triple streams, Smart codec by ROI, Cyber Security, Basic intelligent video analytics, NDAA Compliance, UL, CE, FCC Certified (Including Five year free maintenance with guarantee)	10.00	Ea.	11345	1,13,450.00

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
332	Supply, Installation, Testing and Comissioning of 64 Channel Network Video Recorder (NVR), Dual OS design, HDD Hot Swap with RAID support, N+1 hot spare configuration, Support 16CH@2MP, H.265/H.264 Video Compression, HDMI, VGA output, up to 8 SATA interface each with max 10 TB support and 1 eSATA, 16-ch synchronous playback at up to 1080p resolution, Gigabit Ethernet network interfaces, bandwidth 320 mbps, CE FCC, BIS, Operating Temp -10 deg to 50 deg C, USB and serial Interface, RAID supported (Including Five year free maintenance with guarantee)	2.00	Ea.	314526	6,29,052.00
333	SITC of SCREEN SIZE 80 cm diagonal (32" INCH), RESOLUTION HD (1366*768), USB INPUT (2.0 SUPPORT) 2*Side(USB2.0), HDMI INPUT 3*Side(HDMI 1.4), USB DEVICE SUPPORT USB Supported HDD, HOTEL MODE Yes, Basic, BLUETOOTH Yes (Ver. 4), WIFI TYPE(STANDARD) 802.11a/b/g/n 2.4G 2T2R, Built-in, WIFI BAND TYPE 2.4GHz, OS & VERSION INFO Android 'P' - 9.0, MEMORY FLASH 8GB EMMC, RAM 1.5GB , DDR3 2133 Mhz. (Including Five year free maintenance with guarantee)	3.00	Ea.	50400	1,51,200.00
334	SITC of 48 x 10/100/1000BASE-T ports 4 x Gigabit GbE/SFP combo ports Advanced L2 switching and security features L2+ Static Routing Optional "standard mode" or "surveillance mode" management user interface [Approved by Competent Authority i.e. not Below the rank of Executive Engineer]	5.00	Ea.	30398.98	1,51,994.90
335	Supply, Installation, Testing and commissioning of 4 TB Surveillance Series Hard disk supporting 24X7 operational efficiency	1.00	Ea.	15665	15,665.00
336	Providing & Erecting Netwrok rack with following capacity with Necessary cooling fan,Cable manager,6A PDU,equipment rack with necessary mounting accessories. (A) 9 U	1.00	Ea.	11440.678	11,440.68
337	Providing & Erecting Netwrok rack with following capacity with Necessary cooling fan,Cable manager,6A PDU,equipment rack with necessary mounting accessories. (H) 24 U	1.00	Ea.	30508	30,508.00

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
338	<p>Supply, Installation, Testing & Commissioning of following size of Grid Tied Solar Power Plant with</p> <p>Solar Panels (ALMM approved): Frame Material : Anodized Aluminum alloy Frame With Twin Wall Profile, Front Cover : High Transmission Low-Iron Tempered Glass (AR Coated), High efficiency and positive power tolerance Pmax: 0/+5, Module Efficiency should be approx. 18%-21%, Normal operating temperature 45'C, Junction Box with Waterproof IP67 & MC4 Compatible and Enclosed with Bypass diodes, 100% Electroluminescence test to ensure error free Modules, Thep. temp. co-efficient of the PV module shall equal or better than - 0.45%/degree C. Solar PV modules of minimum fill factor 75% to be used. Unit Production:- 4 to 5 Unit /kw /day (Actual)(1Year Avg) With 10 year Product warranty and 25 year Linear Power Warranty.,</p> <p>Solar Inverter: MPPT Range: 80-1000 V, Max efficiency: 97.5% - 98.9%, O/p Frequency: 50/60Hz, Operating Altitude (m) ≤4000, O/p Power Factor: ~1, O/P THDi: <3%, Operating Tempreture Range: -25~60°C, Anti-islanding Protection:</p>	50.00	Per KW	42156.39	21,07,819.50
	<p>Integrated, Input Reverse Polarity Protection</p> <p>Integrated, Insulation Resistor Detection</p> <p>Integrated, Residual Current Monitoring Unit</p> <p>Integrated, Output Over Current Protection</p> <p>Integrated, Output Short Circuit Protection</p> <p>Integrated, Output Over Voltage Protection</p> <p>Integrated, Protection Degree: IP65, User Interface LCD & APP,Datalogger & Communication: GPRS / Wi-Fi, Module Mounting Structure: Seamless Box Pipe / 'C' Channel of suitable size for rooftop solar installations with good stability agaist wind & weight load., Hot Dipped Galvanized steel coils. suitable arrangement for base plate for foundation , solar panel mounting, the structure should be suitable for carry the load of solar panel,wiring, sprinkler system etc. with necessary foundation work/wall mount, j bolt, anchor fastner etc. the nut bolt used for installtion of stucture should be (SS 304) quality. and Balane of System with necessary Swithgears (Suitabel size and protection of ACDB & DCDB), inter connecting wiring, earthing system, lightining arrester system, all liasoning work with various gov. dipartment like state nodal agency,DISCOM & CEIG is included in</p>				-

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
	(Excluding GEDA Application fees, Solar connectivity Charges, Meter connectivity Charges, Meter testing Charges.)				-
	(D) Grid Tied Solar Power System: 26 - 50 kW (3 - phase)				-
339	Providing & erecting Automatic solar panel cleaning system for solar power projects which includes necessary plumbing work (UPVC pipes and accessories) from source of water to project site (upto 30 meters), Suitable size of submersible/ open well motor, necessary wiring for motor and sprinkler system with safety, timer circuit for automatically on/off the sprinkler system, necessary size and number of nozzles/JET (minimum 1 Nozzle/Jet per module).	50.00	Per KW	3681.45	1,84,072.50
	(D) 21KW-50KW Cleaning System				-
340	Providing, erecting, testing & 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 & 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 & standard fitting as below complying with IS 1180(Part 1):2014 standards with energy efficiency level 2	1.00	Ea.	678301.86	6,78,301.86
	On load tap changing range steps +2.5% to -5% on H.V for variation should be provided. The H.V. shall be connected Delta & 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 & on L.T. side suitable for bus duct or cables as per requirement complete with test certificates from manufacturers				-
	1. Oil conservator with filling Hole & Cap - One No.				-
	2. Thermometer pocket with 6" dial type thermometer switch alarm & trip contacts- Two nos.				-
	3. Silica-gel breather with charge- One No.				-
	4. Plain oil level gauge - One No.				-
	5. Drain / Sampling / Filter valve- One No.				-
	6. Top Filter Valve - One No.				-

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
	7. Explosion vent with Diaphragm - One No.				-
	8. Rating & Diagram plate - One No.				-
	9. Additional neutral bushing for earthing - One No.				-
	10. Bi directional Roller - Four Nos.				-
	11. Earthing terminals - Two Nos.				-
	12. Lifting lugs - Two Nos.				-
	13. Air release plug. - One No.				-
	14. Double float buchholz relay with Alarm and trip contacts.				-
	15. Control cable as required from Transformer to VCB Panel is to be provided with necessary connection to VCB relays for protection.				-
	as per IS 1180 level-2				-
	(a)250 KVA Max. allowable loses at 50 % of rated load is 0.98 KW and at full load is 2.93 KW				-
341	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 arrestor 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	Ea.	98433.59	98,433.59
342	Providing and erecting ISI Marked 3 core 95 Sq.mm XLPE insulated 11 KV armoured cable Aluminium conductor IS-7098 to be laid on wall with clamps or in provided cable trench / pipe approved manner as directed.	350.00	Mtr.	1370.57	4,79,699.50
343	Providing, and erecting 11 KV Ring Main Unit (RMU) 1 incoming & 2 outgoing with RMU kit.	1.00	Ea.	479750	4,79,750.00

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
	Providing and erecting cable end termination kit, heat shrinkable Push on type Densons/ Raychem/ Elastimold make suitable for 11 KV XLPE cable 3core 95 & 120 Sq.mm				-
344	(A) Outdoor type	2.00	Ea.	14611.67	29,223.34
345	(B) Indoor type	1.00	Ea.	8004.25	8,004.25
346	Providing, erecting, testing commissioning & getting Plan Approval as well as NOC from Electrical Inspector for extensible H.T panel comprising of one 400A. H.T. VCB incoming & Two outgoing 400 A Drawout type VCB confirming as per I.S. 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 & automatic ON-OFF and spring mechanism charged, discharged indicators, ON-OFF mechanical push button, operation counter 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 & auto spring charge with TNC switch closing with following accessories.	1.00	Ea.	1328836.8	13,28,836.80

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
	1. 144 mm. square flush mounting type digital multifunctional meter with communication facility - Three sets. 2. Power Factor Meter One No 3. Double core current transformer cast resin type having ratio 200 to 50/1 core for metering & second core for protection having required class of accuracy. - Three Sets 4. Instantaneous under voltage relay& Temperature rise Tripping Relay 5. Electrical closing coil & short trip coil operating on 110V. D.C.- Three Sets 6. Auxiliary relay for anti pumping device 7. Three phase Three limb Drawout type feeder connected & output of 200 VA cast resin insulated potential transformer having ratio 12000V./110V. and 200 VA Burdon with 0.5 accuracy. - One No. 8. Common Alarm bell operating on 110V A.C.- One No. 9. Digital KWH Meter - One No. 10. Cable boxes suitable up to 11 KV 3core 150 sq.mm XLPE cable. - Three Nos				-

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
	11. 230V. A.C. to 110V. D.C. power pack for closing & tripping circuit common. 12.Breaker ON-OFF, Auto trip and spring charged indicators. - Three Sets. 13.Phase indicating & panel illumination lamps with plug socket - Three Sets. 14.Numerical Communicable type non directional O/C & E/F Relay with a setting of 5-250% both in O/C & E/F. -Three Set 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 Trolley is to be provided)				-
347	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.	4.00	Ea.	130.29	521.16
348	Providing pair of rubber hand gloves suitable for working on 11 KV/22 KV supply	2.00	Ea.	214.12	428.24
349	Supplying rubber matting of following thickness as per IS:15652/IEC 61111 (b)4mm	30.00	Sq. Mtr.	3081.51	92,445.30
350	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.	20.00	Ea.	214.12	4,282.40
351	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.	5.00	Ea.	942.33	4,711.65
352	Supplying & fixing Steel Chequered Plate having 7 mm thickness, duly painted with two coats of black Japan colour. (Average Wt 61.1 kg / Sq.Mtr)	30.00	Sq. Mtr.	3531.97	1,05,959.10

Schedule B					
Item no.	Description	Qty.	Unit	Rate	Amount
353	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. (G) 12 core 2.5 sq.mm	180.00	Mtr.	419.15	75,447.00
354	Lightening protection system for highest building at plant area by air terminal with rod and GI strip conductor test link to earth electrode as per requirement.	50.00	Kg	808	40,400.00
355	Providing and cast in situ C.C. in grade M-20 (approx. corresp. to prop. 1:1.5:3) (proportions as per mix design or as per table-9 of IS-456-2000 in masses by weigh batching) using quartzite trap metal of size 12 mm to 20 mm and or 6 mm to 12 mm including scaffolding centering form work, needle vibrated consolidation, curing and hydraulic testing etc. complete with centering and shuttering/deshuttering etc. complete up to 6 meter height/depth from Av. G.L. for all structures with water proofing compound. (including cost of 35 kg per Cu. M. reinforcement of CRS steel of all dia Fe500 grade conforming to IS) - For Foundation, of DG Set and Transformer Plinth,etc.	15.00	cu m.	2424	36,360.00
356	Providing and erecting Sana Saniya Products Fencing Wire 1000 Meter 10kg./ Boundary Wire 1.5 Mm Silver Plastic Fence Post.	1.00	Lot	2858.3	2,858.30
Total					9,99,93,434.00

I / We agree to carry out the work at _____ % above the estimated tender rates
_____ should be written in figures and words.

I / We agree to carry out the work at _____ % below the estimated tender rates
_____ should be written in figures and words.

ESTIMATED AMOUNT

Put to tender Rs. 9,99,93,434.00

ADD

% _____ above Rs. (+) _____

Net Rs. _____

Rupees in words : _____

ESTIMATED AMOUNT

Put to tender Rs. 9,99,93,434 .00

0

% _____ below Rs. (-) _____

Net Rs. _____

Rupees in words : _____

1. (*) Please strike out whichever is not applicable. All work shall be carried out as per the specifications of the GIDC or as directed.

2. All the columns in Schedule should be filled in ink and the total entries in the last column should be struck by the contractor under his signature.

3. Rate quoted included clearance of site (prior to commencement of work & at, its close) in all respect & hold good for the work under all conditions, site moisture, weather etc.

4. I/We have read the tender/general specifications/ conditions and I/We agree to follow same and binding to me/us.