

SECTION - IV

BILL OF QUANTITY / PRICE FORMAT

Name of work:- CONSTRUCTION OF DOUBLE STOREY BUILDING AND OTHER ASSOCIATED CIVIL WORK REQUIRED FOR CONVERSION OF 33/11 KV GRID FROM OUTDOOR AIS TO INDOOR GIS AT MOTIA KHAN GRID

S.No.	DESCRIPTION OF ITEM	QTY	UNIT	RATE (IN RS.)	AMOUNT (IN RS.)
1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including disposal of excavated earth upto 50 m and lift upto 1.5 m, disposed soil to be levelled and neatly dressed : All kinds of soil.	1800	SQM		
2	Earth work in excavation by mechanical means (hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed : All kinds of soil.	3300	CUM		
3	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed : Ordinary rock.	50	CUM		
4	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed : Hard rock (blasting prohibited)	120	CUM		
5	Supplying and filling in plinth with Jamuna sand under floors including, watering, ramming consolidating and dressing complete.	180	CUM		
6	Supplying and stacking of good earth at site including royalty and carriage for all leads & lifts (earth measured in stacks will be reduced by 20% for payment).	3400	CUM		
7	Filling available excavated earth (excluding rock) in trenches plinth, sides of foundations etc. in layers not exceeding 20 cm in depth : consolidating Ea deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m	3100	CUM		
8	Extra for every additional lift of 1.5 m or part thereof in - All kinds of soil.	1750	CUM		
9	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. Ordinary or hard rock	1050	CUM		
10	Dewatering of water by motor of 5HP including charges of generator/electricity as per direction of EIC.	2740	H		
11	Supplying and spreading uniformly in yard of grid s/stn. blue stone aggregate 20 mm single size of good quality i/c loading, unloading for all leads & lifts complete, as per direction of Engineer in charge.	130	CUM		
12	Extra rates for quantities of works, executed on or under foul position, including pumping out water as required. The extra percentage rate is applicable in respect of each item but limited to quantities of work executed in these difficult conditions. The unit, namely, metre depth, to be considered for payment, shall be the depth measured from the sub soil water level up to the centre of gravity of the qty executed in difficult conditions. The depth shall be reckoned correct to 0.10 m, 0.05 m or more shall be taken as 0.10 m and less than 0.05 m ignored.	2700	Mtr		
13	Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge. With material conforming to Grade-1 (size range 75 mm to 0.075 mm) having CBR Value-30	35	CUM		

S.No.	DESCRIPTION OF ITEM	QTY	UNIT	RATE (IN RS.)	AMOUNT (IN RS.)
14	Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in for all leads & lifts, laying in uniform layers with mechanical paverfinisher in sub- base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.	100	CUM		
15	Open timbering in trenches including strutting and shoring complete (measurements to be taken of the face area timbered) Depth not exceeding 1.5 m	500	SQM		
16	Open timbering in trenches including strutting and shoring complete (measurements to be taken of the face area timbered) Depth exceeding 1.5 m but not exceeding 3 m	500	SQM		
17	Open timbering in trenches including strutting and shoring complete (measurements to be taken of the face area timbered) Depth exceeding 3 m but not exceeding 4.5 m	500	SQM		
18	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering- All work upto plinth level 1:4:8 (1 Cement : 4 Coarse Sand : 8 Graded stone agg. 40 mm nominal size)	10	CUM		
19	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)- Using C&D waste material.	310	CUM		
20	Providing and laying damp-proof course 50 mm thick with cement concrete 1:2:4 (1 Cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	100	SQM		
21	Applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7 kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	180	SQM		
22	Making plinth protection 50 mm thick of cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.	80	SQM		
23	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. (Note :- Cement content considered in this item is @ 330 kg/cum). All works upto plinth level.	730	CUM		
24	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. (Note :- Cement content considered in this item is @ 330 kg/cum). All works above plinth level upto floor V level	485	CUM		
25	Supplying and placing of precast M35 RCC trench cover of approved make and of required sizes with 1 mm thick 50mm wide MS strip all around welded to the steel reinforcement bar of dia not less than 8mm (to meet design requirements), two no. Lifting hooks of 12 mm dia and giving proper finishing of top surface.	340	SQM		

S.No.	DESCRIPTION OF ITEM	QTY	UNIT	RATE (IN RS.)	AMOUNT (IN RS.)
26	Providing and laying design mix cement concrete of M-25 grade, in roads/ taxi tracks/ runways, using cement content as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved & specified design criteria, providing dowel bars with sleeve/ tie bars wherever required, laying at site, spreading and compacting mechanically by using needle and surface vibrators, levelling to required slope/ camber, finishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for contraction/expansion, onstruction & longitudinal joints (10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of Engineer-in-charge (Item of joint fillers, sealants, dowel bars with sleeve/ tie bars to be paid separately). Note:- Cement content considered in M-25 is @ 330 kg/cum. Excess/less cement used as per design mix is payable/ recoverable separately	70	CUM		
27	Extra for laying reinforced cement concrete in or under foul positions	680	CUM		
28	Extra for Vacuum treatment dewatering with screed board vibrator as per specification of Engineer in Charge	330	SQM		
29	Extra for R.C.C./ B.M.C/ R.M.C. work above floor V level for each four floors or part thereof.	450	CUM		
30	Centring and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases of columns.	285	SQM		
31	Centring and shuttering including strutting, propping etc. and removal of form work for: Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets , kerbs and step etc.	2315	SQM		
32	Centring and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform	1030	SQM		
33	Centring and shuttering including strutting, propping etc. and removal of form for: Shelves (Cast in situ)	20	SQM		
34	Centring and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers.	1260	SQM		
35	Centring and shuttering including strutting, propping etc. and removal of form work for Columns, piers, abutments, pillars, posts and struts	720	SQM		
36	Centring and shuttering including strutting, propping etc. and removal of form for : Stairs, (excluding landings) except spiral- staircases.	115	SQM		
37	Centering and shuttering including strutting, propping etc. and removal of form for : Weather shade, Chajjas, corbels etc., including edges	45	SQM		
38	Extra for additional height in centering, shuttering where ever required with adequate bracing, propping etc., including cost of de-shuttering and decentering at all levels, over a height of 3.5 m, for every additional height of 1 metre or part thereof (Plan area to be measured) : Suspended floors, roofs, landing, beams and balconies (Plan area to be measured).	965	SQM		
39	Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/ structure, upto 25 metre height, above ground level including additional rows of scaffolding in stepped manner as per requirement of site, made with 40mm dia. M.S. tube 1.5 m centre to centre horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and / or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once only for execution of all items for such works.	50	SQM		
40	Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete. cold twisted bars	117430	KG		
41	Add for plaster drip course/groove in plastered surface or moulding to R.C.C. projections	475	Mtr		

S.No.	DESCRIPTION OF ITEM	QTY	UNIT	RATE (IN RS.)	AMOUNT (IN RS.)
42	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in cement mortar 1 : 6 (1 cement : 6 coarse sand)	55	CUM		
43	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:4 (1 cement : 4 coarse sand)	440	CUM		
44	Half brick masonry with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in superstructure above plinth level upto floor V level in cement mortar 1:4 (1 cement : 4 coarse sand)	330	SQM		
45	Extra for providing and placing in position 2 No. 6 mm dia M.S bars at every third course of half brick masonry	330	SQM		
46	Providing and laying factory made Precast concrete solid blocks of 200 mm thickness of grade M10 made of C&D waste from approved manufacturer in foundation and plinth in:Cement mortar 1:6 (1 cement : 6 coarse sand)	30	CUM		
47	Providing and laying 60mm thick factory made cement concrete paver block of approved shape and colour of M -30 grade made of C&D waste by block making machine with vibratory compaction laid in required pattern and including over 50mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.	250	SQM		
48	Extra for brick work / AAC block masonry / Tile brick masonry in superstructure above floor V level, for each four floors or part thereof by mechanical means.	5	CUM		
49	12 mm cement plaster of mix 1:4 (1 cement : 4 fine sand)	5200	SQM		
50	15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement : 4 coarse sand).	1420	SQM		
51	6mm cement plaster to ceiling of mix: 1:3 (1 cement : 3 fine sand)	1440	SQM		
52	Extra for providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers.(Per Bag of 50 KG cement used in the mix)	870	Bag		
53	Washed stone grit plaster on exterior walls height upto 10 Meter. above ground level, in two layers,under layer 12 mm cement plaster 1:4 (1 cement : 4 coarse sand), furrowing the under layer with scratching tool,applying cement slurry on the under layer @ 2 Kg of cement per square metre, top layer 15mm cement plaster 1:1/2:2 (1cement : 1/2 coarse sand : 2 stone chipping 10mm nominal size) in panels with groove all around as per approved pattern including scrubbing and washing. the top layer with brushes and water to expose the stone chippings, complete as per specification and direction of Engineer-In-Charge (Payment for providing grooves shall be made separately)	1760	SQM		
54	Forming groove of uniform size in the top layer of washed stone grit plaster as per approved pattern using wooden battens,nailed to the under layer including removal of wooden battens, repair to the edges of panels and finishing the groove complete as per specification and direction of the Engineer-In-Charge. 15 mm wide and 15 mm deep groove.	2640	Mtr		
55	Extra for using dhulpur /Jaiselmer stone grit in place of ordinary grit as per direction of EIC	1760	SQM		
56	Extra for using silver cement in place of ordinary cement in the top layer of item of washed stone grit plaster as per direction of EIC	1760	SQM		
57	Extra for plastering exterior walls of height more than 10 m from ground level for every additional height of 3 m or part thereof.	200	SQM		
58	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : water thinnable Cement primer.	3870	SQM		
59	Distempering with 1st quality acrylic distemper (ready mixed) of approved manufacturer, of required shade and colour complete. as per manufacturer's specification. Two or more coats on new work.	4870	SQM		
60	Finishing walls with Acrylic Smooth exterior paint of required shade: New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @2.20kg/10 sqm).	1200	SQM		
61	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	200	SQM		

S.No.	DESCRIPTION OF ITEM	QTY	UNIT	RATE (IN RS.)	AMOUNT (IN RS.)
62	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	4870	SQM		
63	Applying plaster of paris punning on walls up to 12 mm thickness as may be required so as the finished surface would be in plumb, plane and smooth.	100	SQM		
64	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1:4 (1cement : 4 coarse sand) : 25 mm thick.	280	SQM		
65	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12mm (average) thick cement mortar 1:3 (1cement : 3coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	165	SQM		
66	Providing and fixing homogeneous Polyvinyl chloride sheet /tile in flooring and skirting in approved pattern on a smooth and damp proof base using rubber based adhesives of approved quality and manufacturer like Dunlop S-758, Fevicol SR 998 or equivalent including rolling with light wooden roller weighing 5 Kg all complete as directed by Engineer-In-Charge, in approved colour and shade. 2 mm thick.	380	SQM		
67	Providing and fixing 18 mm thick gang saw cut mirror polished premoulded and prepolished, machine cut for kitchen platforms, vanity counters, windows, sills, facias and similar locations of required size of approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 Cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing ,curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite of any colour and shade. Area of slab over 0.5 Sqm.	10	SQM		
68	Providing and fixing granite stone slab table rubbed , edges rounded and polished of size 75x50 cm deep and 1.8 cm thick fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6mm nominal size) as per direction of Engineer-in-charge and finished smooth.Granite stone of approved shade.	10	SQM		
69	52 mm thick cement concrete flooring with concrete hardener (approved make) topping under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick Hardcrete cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume with which hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	1070	SQM		
70	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shade except burgundy, bottle green , black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of Cement Mortar 1:3 (1 Cement : 3 Coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	80	SQM		
71	Providing and laying antiskid Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as white, ivory, grey fume red brown, laid on 20mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigment etc., complete.	100	SQM		
72	Providing and laying polished vitrified floor tiles 10 mm thick with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm.Make : Kajaria-double charge.	250	SQM		

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73	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 10 mm and down gauge) including finishing with cement mortar 1:3 (1 cement: 3 fine sand) as per standard design : In 75 x75 mm deep chase.	100	Mtr		
74	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20mm nominal size) over P.V.C. sheet 1mx 1mx400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement rounding the edges and making and finishing the outlet complete.	5	EACH		
75	Providing and fixing glass strips in joints of terrazo/cement concrete floors. - 40 mm wide and 4 mm thick.	1600	Mtr		
76	Cement plaster skirting (upto 30 cm height) with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement. 18 mm thick.	160	SQM		
77	Providing and fixing (factory made-C&D waste material) precast c.c. kerb stone size 300 X 300 X 150 mm with one side taper of 100 mm shadow made up of C&D waste material in ready size and the like including fixing in c.m 1:2 (1 cement : 2 fine sand) including required centring and shuttering etc. complete as per direction of Engineer-in-charge. Kerb stone size 300 x 300 x 150 mm using C&D waste material	110	Mtr		
78	False ceiling in armstrong fine fissured butt edge tiles 595x595mm : providing & fixing of armstrong fine fissured butt edge tile ceiling "complete in all respects using armstrong channels,hangers etc. item ""complete with all edge cut tiles and required cutting for lights, " "speakers, detectors, diffuses, etc.tile code-armstrong fine fissured nf butt edge.	20	SQM		
79	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (part 1) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters : 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	5	SQM		
80	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fasteners shall be paid for separately : sal wood.	1	CUM		
81	30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm (± 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm (± 0.2 mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.	15	SQM		
82	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x1.25 mm M.S. laths with 1.25 mm thick top cover.	40	SQM		

S.No.	DESCRIPTION OF ITEM	QTY	UNIT	RATE (IN RS.)	AMOUNT (IN RS.)
83	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5mm, made out of extruded 5 mm rigid PVC foam sheet mitred at corners and joined with 2 Nos. of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size complete as per manufacturers specification and direction of Engineer-in-Charge.	10	Mtr		
84	P/F of anodized aluminium section Door and windows as per design complete with all hardware and accessories like handles, hinges, stays etc. Item is complete with all rubber beadings and the vendor has to ensure that all gaps between wall surfaces and edge sections are properly sealed with approved sealant. Items includes float glass of required thickness. (Hindalco 2917 series, anodizing in 20 micron, bronze matt colour) Fixed glazing with 8mm glass	10	SQM		
85	P/F of anodized aluminium section Door and windows as per design complete with all hardware and accessories like handles, hinges, stays etc. Item is complete with all rubber beadings and the vendor has to ensure that all gaps between wall surfaces and edge sections are properly sealed with approved sealant. Items includes float glass of required thickness. (Hindalco 2917 series, anodizing in 20 micron, bronze matt colour) Openable doors, windows with 8mm glass	70	SQM		
86	Fire rated door frame made with 1.6 mm thick G.I sheet (120 minutes fire rating)	40	Mtr		
87	Fire rated door shutter made with 1.6 mm thick G.I sheet (120 minutes fire rating) including hinges (without glass panels)	10	SQM		
88	Providing and fixing factory made uPVC white colour casement/casement cum fixed glazed windows comprising of uPVC multi-chambered frame, sash and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, EPDM gasket, stainless steel (SS 304 grade) friction hinges, zinc alloy (white powder coated) casement handles, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes and silicon sealant shall be paid separately) Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable. Casement window double panels with top fixed with S.S. friction hinges (350 x 19 x 1.9 mm) made of (small series) frame 47 x 50 mm, sash 47 x 68 mm & mullion 47 x 68 mm all having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area of window upto 2.50 sqm).	51.5	SQM		
89	Providing and fixing glazing in door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item). With float glass panes of 8.00 mm thickness.	15	SQM		
90	P/F silicon on both sides of glass with becker rod complete in all respect.	40	Mtr		
91	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern and C.P flush bend with fittings & C.I. brackets, 40 mm flush bend, over-flow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required. W.C. pan with ISI marked white solid plastic seat and lid.	5	EACH		

S.No.	DESCRIPTION OF ITEM	QTY	UNIT	RATE (IN RS.)	AMOUNT (IN RS.)
92	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Single half stall urinal with 5 litre P.V.C. automatic flushing cistern.	5	EACH		
93	Providing & fixing vitreous china Oval wash basin 570x425mm dia. for under counter mounting, specially fabricated brackets painted white, 32mm C.P. cast brass bottle trap and connection pipe to wall with C.P. wall flange and rubber adopter for waste connection complete, including cutting and making good the walls wherever required. (PARRYWARE 0418 OR APPROVED EQUIVALENT, PASTEL COLOUR)	1	EACH		
94	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. flexible pipe 32 mm dia.	5	EACH		
95	Providing and fixing PTMT Bottle Trap for Wash Basin and sink Bottle trap 31mm single piece moulded with height of 270mm ,effective length of tail pipe of 260mm from the center of the waste coupling 77mm breath with 25mm minimum water seal weight not less than 260 gram.	5	EACH		
96	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour. 450MM long towel rail with total length of 495mm, 78mm wide and effective height of 88mm, weighing not less than 170gms.	5	EACH		
97	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 15 mm nominal outer dia Pipes.	150	Mtr		
98	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 20 mm nominal outer dia Pipes.	25	Mtr		
99	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls : 15 mm nominal outer dia Pipes.,	25	Mtr		
100	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls : 20 mm nominal outer dia Pipes.,	25	Mtr		
101	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls : 25 mm nominal outer dia Pipes.,	150	Mtr		
102	Providing and fixing C.P. brass bib cock of approved quality conforming to IS: 8931: 15 mm nominal bore	2	EACH		
103	Providing/fixing C.P. brass flange cap for bib cock/stop cock.	2	EACH		

S.No.	DESCRIPTION OF ITEM	QTY	UNIT	RATE (IN RS.)	AMOUNT (IN RS.)
104	Providing and fixing gun metal gate valve with C.I. wheel of approved quality(screwed end): 25 mm NB.	1	EACH		
105	Providing and fixing gun metal gate valve with C.I. wheel of approved quality(screwed end): 40 mm NB	1	EACH		
106	Providing and fixing C.P. brass angle valve for basin mixer and gyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore : 15 mm nominal bore	3	EACH		
107	Providing and fixing uplasticised PVC connection pipe with brass unions: 45 cm length, 15 mm NB.	20	EACH		
108	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, indicating the BIS License No. with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	3000	Litre		
109	Providing and fixing C.P. brass bib cock of approved quality conforming to IS: 8931: 15 mm nominal bore.	2	EACH		
110	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms : 15 mm nominal bore.	2	EACH		
111	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms: 15 mm nominal bore.	2	EACH		
112	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931: 15 mm nominal bore.	2	EACH		
113	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./H.P.H.D. plastic ball 15mm nominal bore, 105 mm long, weighing not less than 138 gms.,	2	EACH		
114	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) allround S.W. pipes including bed concrete as per standard design: 150 mm dia S.W. pipe.	15	Mtr		
115	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) allround S.W. pipes including bed concrete as per standard design: 200 mm dia S.W. pipe.	2	Mtr		
116	Constructing brick masonry manhole in cement mortar 1:4 (1 cement:4 coarse sand) RCC top slab with 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement: 4 coarse sand: 8 graded stone aggregate 40mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1cement: 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4(1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 90x80cm and 45cm deep including CI cover with frame(light duty) 455x610mm internal dimensions, total weight of cover and frame to be not less than 38kg (weight of cover 23kg and weight of frame 15kg) With common burnt clay F.P.S (non modular) bricks with class designation 7.5	15	EACH		
117	Constructing brick masonry manhole in cement mortar 1:4 (1 cement:4 coarse sand) RCC top slab with 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size), foundation concrete 1:4:8 mix (1 cement: 4 coarse sand: 8 graded stone aggregate 40mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1cement: 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4(1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 120x90cm and 90 cm deep including CI cover with frame(medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116kg (weight of cover 58kg and weight of frame 58kg) With common burnt clay F.P.S (non modular) bricks with class designation 7.5	10	EACH		

S.No.	DESCRIPTION OF ITEM	QTY	UNIT	RATE (IN RS.)	AMOUNT (IN RS.)
118	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement and making necessary channels for the drain etc. complete : For pipes 100 to 250 mm diameter.	5	EACH		
119	Constructing brick masonry road gully chamber 110x50x77.5 cm with bricks in cement mortar 1:4 (1 cement :4 coarse sand) including 500x450 mm precast R.C.C. horizontal grating with frame and vertical grating complete as per standard design: with common burnt clay F.P.S (non modular) bricks of class designation 7.5	5	EACH		
120	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry. 22.5	35	SQM		
121	Providing and fixing unplasticised- PVC pipe clips of approved design to unplasticised- PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1cement : 4 coarse sand) and making good the wall etc. complete. 110 mm	60	EACH		
122	Providing and Laying 150mm dia PVC pipe (Heavy duty-working pressure 6Kg/cm ²) of Prakash or equivalent make as per required slope for sewer line including jointing etc. complete as per direction of Engineer-in-charge (Wt. of pipe-22 Kg approx).	100	Mtr		
123	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations. (a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS: 2645 and approved by Engineer -in charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25mm to 115mm size with 50% of cement mortar 1:5 (1cement : 5coarse sand) admixed with water proofing compound conforming to IS: 2645 and approved by Engineer -in charge over 20 mm thick layer of cement mortar of mix 1:5 (1cement : 5coarse sand) admixed with water proofing compound conforming to IS: 2645 and approved by Engineer -in charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. (c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS: 2645 and approved by Engineer -in charge. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1cement :4coarse sand) admixed with water proofing compound conforming to IS: 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above	640	SQM		
124	Providing and Fixing bevelled edge mirror of superior quality glass (Modi /Sant Gobain) complete with 6 mm thick hard board fixed to wooden cleats with cp brass screws and washers etc complete.	2	SQM		
125	Providing and fixing of stainless steel jali of approved design and shape; 100mm dia	12	EACH		
126	P/f & embedding PVC pipes in the masonry/RCC surrounded by 12 mm thick cement mortar of the same mix as of masonry- 150 mm dia	50	Mtr		

S.No.	DESCRIPTION OF ITEM	QTY	UNIT	RATE (IN RS.)	AMOUNT (IN RS.)
127	HDPE pipe for sewer: Providing and laying HDPE Pipe (PN8) conforming to IS 4984:2016 - (PE 80) to required gradient for sewerline including jointing, testing of joints etc. all complete. 200mm dia pipes.	20	Mtr		
128	Structural steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	20700	KG		
129	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	9200	KG		
130	Providing and fixing Transformer Rails.	1000	kg		
131	Providing and placing in position M.S plates to hold the rail for transformer foundation including drilling holes of required size and tightening with nuts and bolts etc.	100	kg		
132	P/F MS chequered plate i/c cutting, straightening, rounding of edges, making lifting arrangement & fixing by welding to M.S angle frame etc.	11700	Kg		
133	Providing and fixing Sign Boards of size upto 5'-0" X 2'-6" made out of M.S. Tube of size 40mm x 40mm, 1mm thick including mounting of M.S. Sheet of 1 mm thickness and writing with vinyl computerised digital letters and cutting & pasting of vinyl sheet of approved colour as per design complete job.	10	SQM		
134	Supplying at site angle iron post and strut of required size including bottom to be split and bent at right angle in opposite direction for 10 cm length and drilling holes upto 10m dia etc. complete.	100	Kg		
135	Supplying and fixing Hot dipped Reinforced Punched Concertina Coil made of 0.5 mm thick and 19 mm wide tape and spring core wire of 2.59 mm dia of approved quality, dipped in PH2 oil to protect rusting of wire & tape. The coil will be of 760 mm dia when closed and 750 mm dia when spread to 6.0 m of length with 48 numbers of rounds (Eight rounds in one meter length) Stretched and fixed between post with GI Staples/GI wire on existing MS Angle frame as specified complete as per direction of Engineer -in - Charge . (MS Structure steel, cement concrete, painting etc. if required, will be paid separately) Only Straight length between the posts shall be payable.	240	Mtr		
136	Supplying and fixing hot dipped Galvanized Reinforced punched tape made of 0.5 mm wide tape and spring core wire of 2.59 mm dia of approved quality dipped in PH2 oil to protect rusting of wire and tapes Stretched and fixed between post with GI Staples / GI wire in existing MS angle frame as specified complete as per direction of Engineer - in - Charge. (MS structure steel, Cement Concrete, Pointing etc. if required, will be paid separately).	2400	Mtr		
137	Providing and fixing stainless steel (grade 304) railing made of hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	1600	KG		
138	Providing and fixing sheet covering over expansion joints with iron screws as per design. Aluminium fluted strips 3.15 mm thick. 200 mm wide)	200	Mtr		
139	Providing and filling in position bitumen mix filler of proportion 80 kg. of hot bitumen, 1 kg. of cement and 0.25 cubic metre of coarse sand for expansion joints.	1	CUM		
140	Providing and filling in position, blown bitumen in expansion joints.	1	CUM		
141	Demolishing R.C.C. work manually /by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-In-charge.	170	CUM		
142	Demolishing brick work manually /by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-In-charge.: In cement mortar	180	CUM		

S.No.	DESCRIPTION OF ITEM	QTY	UNIT	RATE (IN RS.)	AMOUNT (IN RS.)
143	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 m lead.	8000	Kg		
144	Dismantling old plaster or skirting, raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	500	SQM		
145	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved. (3600	CUM		
146	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer -in-charge, upto 90 metre depth below ground level. Rocky strata including Boulders 300 mm dia	25	Mtr		
147	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings& accessories etc. all complete, for all depths, as per direction of Engineer-in-charge. 150 mm nominal size dia	5	Mtr		
148	Extra for cutting slots of size 1.6/3.20 mm in unplasticized PVC pipe of 150 mm dia	25	Mtr		
149	Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tubewell as per IS: 2800 (part I), including necessary bolts & nuts of required size complete. 150 mm clamp	1	EACH		
150	Supplying, filling, spreading & leveling gravels of size range 5 mm to 10 mm, in the recharge pit, over the existing layer of boulders, in required thickness, for all leads & lifts, all complete as per direction of engineer-in-charge.	5	CUM		
151	Providing, supplying and fixing rain water down take pipe including bends, swan necks standard MS fixing clamps, junctions shoes, etc. and painting with two coats of approved black bitumen paint complete as per specifications and directions including all labour, materials equipment and scaffolding etc. complete. i) 110mm. Dia HDPE water down take Pipe as Per IS: 4984	55	Mtr		
152	Providing & fixing cat ladder with cage around made from MS flat and angles as per the specifications. (All materials is in Contractor Scope)	5	Mtr		
153	Providing, supplying and fixing stainless steel toilet paper roll holder of approved quality and make including all fixtures etc. complete as per Engineer's directions including all labour, materials complete.	5	EACH		
154	Providing and fixing 80mm CI Nahani trap conforming to IS:-5219 fixed in cement concrete including CI grating, bend and CI pipe upto the outside face of the wall including cutting holes in walls and making good the same in cement mortar 1:4 etc. complete as directed.	5	EACH		
155	Providing and fixing pre-coated galvanised iron profile sheets. (size shape make and pitch of corrugation as approved by Engineer in-charge) 0.50 mm (+0.05%) total coated thickness with zinc coating 120 grams per sqm as per IS:277, in 240 mpa steel grade 5-7 microns epoxy primer on both side of the sheet and polyster top coat 15-18 microns. Sheet should have protective guard film of 25microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	370	SQM		
156	Supply and installation of 40 W, 240V, LED Luminaires CRCA steel sheet housing suitable for surface/suspended mounting with accessories finish: white powder coated (RAL 9016).	84	Nos.		
157	Supply and installation of 40 W, 240V, LED water proof Luminaires surface/suspended mounting polycarbonate body corrosion resistant CRCA gear tray cum reflector is finished in white powder coating. IP-65.	8	Nos.		

S.No.	DESCRIPTION OF ITEM	QTY	UNIT	RATE (IN RS.)	AMOUNT (IN RS.)
158	Supply and installation of 150W 240V LED Floodlight(AMAZE) luminaire, pressure die-cast aluminium led housing designed to act as heat sink for efficient dissipation of heat with white powder coated Aluminium reflector(IP 66).	7	Nos.		
159	Supply and installation of DC 220/110V, 20W LED Bulkhead luminaire, suitable for wall/ceiling surface and suspension mounting.	25	Nos.		
160	240V, 1400mm sweep ceiling fan complete with electronic regulator and switch, suspension rod, canopy & accessories.	19	Nos.		
161	1Ph, 240V, 450mm sweep, 4500 CUM/HR Air flow Exhaust fan.	18	Nos.		
162	Supply and installation of 5A and 15A, 240V, 6pin type power socket with switch control suitable for flush/surface mounting.	14	Nos.		
163	Supply and installation of 5A, 240V, single way switch	79	Nos.		
164	Supply and installation of 5A, 240V, two way switch	16	Nos.		
165	Supply and installation of 5A, 240V, 3pin power socket for mounting in switch board	8	Nos.		
166	Supply and installation of 5A, 240V, Fan Regulator for mounting in switchboard.	19	Nos.		
167	Supply and installation of Switch board 2 Module enclosure and cover sheet with back box	5	Nos.		
168	Supply and installation of Switch board 4 Module enclosure and cover sheet with back box	6	Nos.		
169	Supply and installation of Switch board 6 Module enclosure and cover sheet with back box	4	Nos.		
170	Supply and installation of Switch board 8 Module enclosure and cover sheet with back box	3	Nos.		
171	Supply and installation of Switch board 10 Module enclosure and cover sheet with back box	4	Nos.		
172	Supply and installation of Switch board 12 Module enclosure and cover sheet with back box	3	Nos.		
173	Supply and installation of 415V Indoor Normal Lighting Panel (NLP-1) Consisting of 63A TPN MCB 1No Incoming – 1 No. R Y B LED Indication lamps with 4A fuse 16A SP MCB Outgoing- 15 Nos. & 16A TP MCB 1 No.	1	Nos.		
174	Supply and installation of 415V Indoor Normal Lighting Panel (NLP-2) Consisting of 63A TPN MCB 1No Incoming – 1 No. R Y B LED Indication lamps with 4A fuse 16A SP MCB Outgoing- 21 Nos.	1	Nos.		
175	Supply and installation of 220V DC Lighting Panel (DCLP) Consisting of 32A DP MCB Incoming - 1No. & 32A Magnetic Contractor - 1No. Under Voltage Relay 1No. & Test Switch 16A DP MCB Outgoing - 7Nos.	1	Nos.		
176	Supply and installation of 25mm Dia GI conduit.	1495	Mtr		
177	Supply and installation of 25mm Dia GI 90 Degree long bend	250	Nos.		
178	Supply and installation of One way junction box suitable for 25mm Dia GI conduit.	80	Nos.		
179	Supply and installation of Two way junction box suitable for 25mm Dia GI conduit.	35	Nos.		
180	Supply and installation of Two way 90° junction box suitable for 25mm Dia GI conduit.	50	Nos.		
181	Supply and installation of Three way junction box suitable for 25mm GI conduit.	76	Nos.		
182	Supply and installation of Four way junction box suitable for 25mm Dia GI conduit.	9	Nos.		
183	Supply and installation of One way pull/junction box for ceiling fan (with hook).	15	Nos.		
184	Supply and installation of Two way pull/junction box for ceiling fan (with hook).	7	Nos.		
185	Supply and installation of Two way 90° pull/junction box for ceiling fan (with hook).	4	Nos.		
186	Supply and installation of Three way pull/junction box for ceiling fan (with hook).	5	Nos.		
187	Supply and installation of Four way pull/junction box for ceiling fan (with hook).	4	Nos.		
188	Supply and installation of Junction box blank cover with 25mm hole knockout provision.	285	Nos.		
189	Supply and installation of 2.5sq mm 1100V grade stranded PVC insulated copper wire for AC lighting wiring Red (R-PHASE).	705	Mtr		
190	Supply and installation of 2.5sq mm 1100V grade stranded pvc insulated copper wire for AC lighting wiring Yellow (Y-PHASE).	700	Mtr		

S.No.	DESCRIPTION OF ITEM	QTY	UNIT	RATE (IN RS.)	AMOUNT (IN RS.)
191	Supply and installation of 2.5sq mm 1100V grade stranded pvc insulated copper wire for AC lighting wiring Blue (B-PHASE).	570	Mtr		
192	Supply and installation of 2.5sq mm 1100V grade stranded pvc insulated copper wire for AC lighting wiring Black (NEUTRAL).	1610	Mtr		
193	Supply and installation of 2.5sq mm 1100V grade stranded pvc insulated copper wire for DC lighting wiring (WHITE-POSITIVE).	310	Mtr		
194	Supply and installation of 2.5sq mm 1100V grade stranded pvc insulated copper wire for DC lighting wiring (GREY-NEGATIVE).	310	Mtr		
195	Supply and installation of 6sq mm 1100V grade stranded pvc insulated copper wire for AC power sockets Red(R-PHASE).	150	Mtr		
196	Supply and installation of 6sq mm 1100V grade stranded pvc insulated copper wire for AC power sockets Yellow(Y-PHASE).	160	Mtr		
197	Supply and installation of 6sq mm 1100V grade stranded pvc insulated copper wire for AC power sockets Blue(B-PHASE).	45	Mtr		
198	Supply and installation of 6sq mm 1100V grade stranded pvc insulated copper wire for AC power sockets Black(NEUTRAL).	355	Mtr		
199	Supply and installation of 14 SWG GI Earth wire for Earthing (YELLOW GREEN).	1965	Mtr		
		Total			