

UTTAR GUJARAT VIJ COMPANY LIMITED					
R&C Office, Mehsana					
Price Bid					
Name of work: Construction of Bopal Division Office, Shela and Shilaj Sub Division Office Building at Ambli, Ahmedabad					
Item No.	Description of Item	Quantity	Unit	Rate	Amount
1.00	EARTH WORK				
1.01	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	3400.00	Cum	122.00	414800.00
1.02	Excavation for foundation for depth from 1.5 m to 3.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	3000.00	Cum	169.00	507000.00
1.03	Excavation for foundation for depth from 3.0 m to 5.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	1050.00	Cum	148.00	155400.00
1.04	Extra for additional depth more than 5.0m for excavation for foundation including sorting out and stacking of use ful material sand disposing of the excavated stuff upto 50m lead. (A) Loose or soft soil	30.00	Cum	13.30	399.00
1.05	Filling available excavated earth (excluding rock) in trenches. plinth, sidesof foundations etc. in layers not exceeding 20 cm. in depth consolidating each disposed layer by ramming and watering.	3200.00	Cum	79.00	252800.00
1.06	Disposal of surplus earth by mechanical transport including loading, unloading for a lead upto 10 Km.	4300.00	Cum	226.41	973563.00
1.07	Filling in plinth with sand under floors including watering ramming, consolidating and dressing complete Above 10 ton)	11.00	Cum	311.00	3421.00
1.08	Carring out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistment with I.S.I specification. Using Chlordene and Chiorpurfiles 20 EC. As Per 6131_paret-II Concentration Weight one percent is recommended i.e one litre 20 EC chemical emulsion with 19 liter give 1 % concentration inclusive of one litre chemical emulsion appication at the rate of 5 Litre chemical / Sqm of surface is recommended as per I.S	1800.00	Sqm	66.60	119880.00
1.09	Carrying out wall treatment for termite control including spraying with chemical solution in oil base(0.5Lit./Sq.M.) including labour and material Using Hepachlor concentration 20 EC. As Per IS. 6316_part-II Concentration by Weight 0.50 percent is recommended i.e one litre chemical emulsion dillute with 39 liters of IS concentration total dillite concentration will be 40 litre inclusive of one litre chemical emulsion appication at the rate of 7.5 Litre chemical / Sqm of surface is recommended as per I.S	1800.00	Sqm	23.70	42660.00
2.00	PLAIN CONCRETE WORK				
2.01	Providing and laying cement concrete 1:4:8 (1Cement : 4- coarse sand : 8- hand broken stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth (Above 10 ton)	300.00	Cum	2162.00	648600.00
2.02	Providing and laying cement concrete work 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (D) Columns, Pillars posts and struts upto floor two level. (Above 10 ton)	0.80	Cum	3352.00	2681.60
2.03	Extra for additional lift of concrete for all R.C.C. work above floor two level excluding cost of reinforcment (Above 10 ton)	0.50	Cum	33.38	16.69
2.04	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone - III) : 6 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 necessary excavation, levelling & dressing & finishing the top smooth.	175.00	Sqm	364.86	63850.50
3.00	REINFORCED CEMENT CONCRETE				

Item No.	Description of Item	Quantity	Unit	Rate	Amount
3.01	Providing and laying cement concrete work M-250 and curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base or columns and Mass concrete (Above 10 ton) Note:Cement & material consumption rate diff. added Rs.618.28 for ordinary concrete M-250.(1:1:2)	600.00	Cum	3872.40	2323440.00
3.02	Providing and laying ordinary cement concrete M-250 and finishing smooth with,curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (B) COLUMNS: (ii) Having cross-sectional area more than 0.18 Sq.M Note:Cement & material consumption rate diff. added Rs.618.28 for ordinary concrete M-250.(1:1:2)	125.00	Cum	6104.40	763050.00
3.03	Providing and laying ordinary cement concrete M-250 and finishing smooth with,curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (A) BEAMS :(i) Having cross-sectional area 0.05 to 0.08 Sq.M Note:Cement & material consumption rate diff. added Rs.618.28 for ordinary concrete M-250.(1:1:2)	5.00	Cum	6389.40	31947.00
3.04	Providing and laying ordinary cement concrete M-250 and finishing smooth with,curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (A) BEAMS :(ii) Having cross-sectional area more than 0.08Sq.M and upto 0.12 Sq.M Note:Cement & material consumption rate diff. added Rs.618.28 for ordinary concrete M-250.(1:1:2)	50.00	Cum	5930.40	296520.00
3.05	Providing & Laying cement concrete M-250 and finishing smooth with curing etc. complete including the cost of form work but excluding the cost of reinforcement for R.C.C. work in Beams i) Having cross-sectional area more than 0.12Sq.M and upto 0.18 Sq.M Note:Cement & material consumption rate diff. added Rs.618.28 for ordinary concrete M-250.(1:1:2)	43.00	Cum	5393.40	231916.20
3.06	Providing & Laying cement concrete M-250 and finishing smooth with curing etc. complete including the cost of form work but excluding the cost of reinforcement for R.C.C. work in Beams i) Having cross-sectional area more than 0.18Sq.M Note:Cement & material consumption rate diff. added Rs.618.28 for ordinary concrete M-250.(1:1:2)	1250.00	Sqm	5393.40	6741750.00
3.07	Providing and Laying ordinary cement concrete M-250 and finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (iv) Slabs having more than 13 cm and upto 15 cm.thickness Note:Cement & material consumption rate diff. added Rs.618.28 for ordinary concrete M-250.(1:1:2)	300.00	Cum	5190.40	1557120.00
3.08	Providing and Laying ordinary cement concrete M-250 and finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (iv) Slabs having more than 15 cm.thickness Note:Cement & material consumption rate diff. added Rs.618.28 for ordinary concrete M-250.(1:1:2)	120.00	Cum	5190.40	622848.00
3.09	Providing and Laying ordinary cement concrete M-250 and finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (ii) Slabs having more than 8 cm and upto 10 cm.thickness Note:Cement & material consumption rate diff. added Rs.360.04 for ordinary concrete M-250.(1:1:2)	2.00	Cum	5736.40	11472.80
3.10	Providing & Laying cement concrete M-250 for R.C.C. lintel including finishing smooth with curing etc. complete including the cost of form work but excluding the cost of reinforcement. Note:Cement & material consumption rate diff. added Rs.360.04 for ordinary concrete M-250.(1:1:2)	5.00	Cum	5810.40	29052.00

Item No.	Description of Item	Quantity	Unit	Rate	Amount
3.11	Providing & Laying cement concrete M-250 for Reinforced concrete Chhajjas not exceeding 13cm. thickness up to floor two level including finishing the exposed surfaces with cement mortar 1:3 (1 Cement : 3 fine sand) to give a smooth & even surface centering and form work and curing complete excluding the cost of reinforcement. Note:Cement & material consumption rate diff. added Rs.618.28 for ordinary concrete M-250.(1:1:2)	19.00	Cum	5911.40	112316.60
3.12	Providing and laying cement concrete work M-250 and curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (K)Vertical and Horizontal its upto floor two level. (Above 10 ton) Note:Cement & material consumption rate diff. added Rs.618.284 for ordinary concrete M-250.(1:1:2)	145.00	Cum	4064.40	589338.00
3.13	Providing and laying cement concrete work M-250 and curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (E)Staircases excluding landing upto floor two level (Above 10 ton) Note:Cement & material consumption rate diff. added Rs.618.28 for ordinary concrete M-250.(1:1:2)	15.00	Cum	4264.40	63966.00
3.14	ProvidingTMT Fe 500 D Bar reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level (Above 10 ton)	230000.00	Kg	45.00	10350000.00
3.15	Extra for additional lift of concrete for all R.C.C. work above floor two level excluding cost of reinforcement (Above 10 ton)	255.00	Cum	33.38	8511.90
3.16	Extra for additional lift of reinforcing steel for all R.C.C. work above floor two level. (Above 10 ton)	40000.00	Kg	0.62	24800.00
3.17	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. Height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (A) Foundations Footings Bases of Columns etc. and Mass concrete. (upto 10 ton)	140.00	Sqm	109.00	15260.00
3.18	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (C) Vertical surface such as walls (any thickness) partitions and the like including attached buttresses & stringcourse & the like. (upto 10 ton)	1250.00	Sqm	146.00	182500.00
3.19	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (M) Staircase with sloping or stepped soffits including risers and stringers excluding landing. (upto 10 ton)	120.00	Sqm	154.00	18480.00
4.00	BRICK WORK				
4.01	Brick work using common burnt clay building bricks having crushing strength not less than 35kg/Sqcm. in foundation and plinth. In cement mortar 1:6 (1 cement : 6 fine sand)				
	Conventional	475.00	Cum	2529.00	1201275.00
4.02	Extra for brickwork in superstructure above plinth level upto floor two level.				
	Conventional				
	i) Ground Floor	55.00	Cum	30.44	1674.20
	ii) First Floor	62.00	Cum	60.88	3774.56
	iii) second Floor	55.00	Cum	91.32	5022.60
	iv)Terrace	45.00	Cum	121.76	5479.20
4.03	Extra for brick work in superstructure above floor two level Item No. 5 (B) Conventional (Above 10 ton)	110.00	Cum	29.77	3274.70
4.04	Half brick masonry in common burnt clay building bricks having crushing strength not less than 35kg/cm2 in cement mortar 1:4 (1 cement : 4 coarse sand) (B) Conventional	800.00	Sqm	370.00	296000.00
4.05	Extra for half brick masonry in superstructure above plinth level upto floor two level. (B) Conventional	850.00	Sqm	32.00	27200.00

Item No.	Description of Item	Quantity	Unit	Rate	Amount
4.06	Extra for half brick masonry in superstructure above floor two level. (B) Conventional (upto 10 ton)	550.00	Sqm	4.41	2425.50
5.00	Marble & Granite Work				
5.01	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), 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 upto 0.50 sqm	15.00	Sqm	2822.00	42330.00
5.02	Area of slab over 0.50 sum.	20.00	Sqm	2585.94	51718.80
5.03	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.				
	Granite work	50.00	metre	221.15	11057.50
5.04	Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.	55.00	metre	187.57	10316.35
5.05	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	22.00	each	314.68	6922.96
6.00	WOOD WORK				
6.01	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 fastener shall be paid for separately).				
	Second class teak wood	2.00	Cum	102036.45	204072.90
6.02	Providing and fixing flush door shutters solid core construction with frame of first class hard wood with cross band and face veneer or plywood face panels including anodized aluminium butt hinges with necessary screws, (B) Non-decorative type & block board core anodized aluminium butt hinges in flush door shutters 35 mm. thick	80.00	Sqm	1696.00	135680.00
6.03	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.				
	1.5 mm thick	170.00	Sqm	700.84	119142.80
6.04	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	90.00	Sqm	345.00	31050.00
6.05	Providing and fixing Stainless steel satin finish SS 304 grade Sliding Door bolts 250x16 mm for wooden doors of approved make and model all complete as per the directions of Engineer-in-charge				
	250x16 mm	30.00	Each	511.00	15330.00
6.06	Providing and fixing Stainless steel satin finish SS 304 grade Tower Bolts SS screws for wooden doors of approved make and model all complete as per the directions of Engineer-in-charge				
	Tower Bolts Square size 250mm	38.00	Each	398.00	15124.00
6.07	Providing and fixing Stainless steel satin finish SS 304 grade Handles with SS screws for wooden doors of approved make and model all complete as per the directions of Engineer-in-charge				
a)	300 mm	130.00	Each	751.00	97630.00
6.08	Fixing metallic floor door stoppers of sizes with rubber cushion screws etc. to suit shutter thickness complete (Floor door stopper with rubber cushion and screws to be paid under separate items)	30.00	Each	2.70	81.00

Item No.	Description of Item	Quantity	Unit	Rate	Amount
6.09	Providing and fixing bright finished 100 mm mortice lock with 6 levers without pair of handles of approved quality for aluminium door, with necessary screws etc complete as per direction of Engineer-in-charge.	25.00	Each	339.14	8478.50
6.10	Providing and fixing partition upto ceiling height consisting of G.I. frame and required board, including providing and fixing of frame work made of special section power pressed/ roll form G.I. sheet with zinc coating of 120 gms/ sqm(both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of boards to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks, Galvanised M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each with zinc coating of 120 gms/sqm(both side inclusive)) to be provided				
	at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corners (25 mm x 25 mm x 0.5 mm), joint finisher and two coats of primer suitable for board as per manufacture's specification and direction of engineer in charge all complete.				
	75mm overall thickness partition with 12.5 mm thick double skin tapered edged plain Gypsum plaster board conforming : to IS 2095: (part 1) : 1996 (Board with BIS certification marks)	325.00	Sqm	947.61	307973.25
6.11	Providing and fixing thermal insulation with Resin Bonded Fibre glass wool conforming to IS: 8183 having density 24 kg/m ³ , 50 mm thick, wrapped in 200G Virgin Polythene Bags fixed to wall with screw, rawel plug & washers and held in position by criss crossing GI wire etc. complete as per directions of Engineer-in-Charge.	325.00	Sqm	216.00	70200.00
7.00	Steel, aluminium & Iron Work				
7.01	Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 63.50 x 38.10 x 1.95 mm(of Jindal Section no:4605,@ Wt 1.094 Kg/ Rmt), horizontal two track member size 61.85 mm x 31.75 mm x 1.20mm (of Jindal Section no: 8687 @ wt.of 0.695 Kg/mt), vertical member of size 61.85 mm x 31.75mm x 1.30 mm (of Jindal Section no:8758 @ wt.of 0.0.659 Kg/mt) with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm (of Jindal Section no:8949 @ wt.of 0.456Kg/mt), vertical member of size 40mm x 18mm x 1.29mm (of Jindal Section no:8947 @ wt.of 0.456Kg/mt/ Section 8948, @ Wt. 0.457 Kg/mt) with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures andtransparentsiliconsealant glassfixingtoframe as per details etc complete for window	2.00	Sqm	2022.00	4044.00
7.02	Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 95mm x 24mm x 1.17mm (of Jindal Section no:2459 @ wt.of 0.738 Kg/mt), horizontal Three track member size 92mm x 31.75mm x 1.30mm (of Jindal Section no:8688,@ Wt.1.07 Kg/mt), vertical member of size 92mm x 31.75mm x 1.50mm (of Jindal Section no:8933,@ Wt. 1.06 Kg/mt) with sliding shutters of horizontal member size 40 mmx18mm x1.29mm (of Jindal Section no:8947@ wt.of 0.456 Kg/mt), vertical member of size 40mm x 18mm x 1.29 mm (of Jindal Section no:8949 @ wt.of 0.456Kg/mt/ with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc	25.00	Sqm	1880.00	47000.00

Item No.	Description of Item	Quantity	Unit	Rate	Amount
7.03	Providing and fixing standard extruded of aluminium section of size 63mm x 38.10mm x 1.2mm (Jindal Section :2434, @ Wt. 0.643 Kg/mt) with colour anodized aluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for Ventilation	12.00	Sqm	1386.00	16632.00
7.04	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete.				
	Upto 5mm depth and 5 mm width	275.00	rm	75.00	20625.00
7.05	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & double action hydraulic floor spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc.to be paid separately).	60.00	Sqm	3993.00	239580.00
7.06	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes (50mm dia & 2mm thick hand rail, 25x25x2mm vertical bar, 40x40x2mm vertical bar, 10mm dia & 1.5mm thick 3 nos inclined bar, 15x15mm section), 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-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	80.00	Rmt	2689.00	215120.00
7.07	Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm ²), counter sunk head, comprising of 10 mm dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.				
b)	10 x 140 mm	800.00	Nos	90.44	72352.00
7.08	Steel work, welded in built up 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 and the like (upto 10 ton)	40.00	Qtl	5289.00	211560.00
8.00	FLOORING				
8.01	Providing and laying polished Kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6-coarse sand) or L.M. 1.1.5 (1-Lime putty :1.5 - coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. (A) 25mm thick (upto 10 ton)	360.00	Sqm	769.00	276840.00
8.02	Providing and laying polished kota stone slab 25mm thick in risers of steps,skirting Dedo and pillars laid on 10mm thick cement mortar 1:3 (1Cement : 3 coarse sand) and jointed with gray cement slury mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. (upto 10 ton)	60.00	Sqm	888.00	53280.00
8.03	Providing and laying Vitrified tiles 8 to 10 mm thick , 36" x 36" in flooring treads of steps and landinglaid on a bed of 12mmthickcementmortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement. (upto 10 ton)	800.00	Sqm	1259.00	1007200.00
8.04	Providing and laying Vitrifiedtiles 8to10mm thick,in skirting risers of steps and dedo on 1 0 mm thick cement plaster 1:3(1-cement:3-coarsesand) and jointed with white cement slurry (upto 10 ton)	400.00	Sqm	1263.00	505200.00
8.05	Providing and laying Granite slab (18 mm thick) one side polished flooring over 20 mm (average) base of cement mortar 1:6 (1 cement : 6 coarse sand) or L.M 1:1.5 laid and jointed with grey cement slurry including rubbing and polishing complete	50.00	Sqm	2672.00	133600.00

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8.06	Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge :				
	Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	110.00	Sqm	1802.92	198321.20
8.07	Providing and laying polished granite stone slab 18 mm thick in risers of steps, dedo and pillars laid on 10 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with gray cement slurry including rubbing & polishing etc. complete.	25.00	Sqm	2690.00	67250.00
8.08	Extra for pre finished nosing to treads of steps of marble stone.	50.00	metre	221.67	11083.50
8.09	Extra for pre finished nosing in treads of steps of Kota stone/ sand stone slab.	280.00	metre	52.27	14635.60
8.10	Extra for Kota stone/ sand stone in treads of steps and risers using single length up to 1.5 metre.	90.00	Sqm	1.78	160.20
8.11	Providing and laying cement concrete pavement (25mm to 50mm thick) with 1:2:4 (1-cement : 2- coarse sand : 4-stone aggregate 20mm nominal size) including finishing with floating coat of neat cement complete. (upto 10 ton)	225.00	Cum	3488.00	784800.00
8.12	Providing and laying Ceramic tiles 6mm thick in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3- coarse sand) finishing with flush pointing in white cement. (upto 10 ton)	135.00	Cum	663.00	89505.00
8.13	Providing and laying Ceramic tiles 6mm thick in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry (upto 10 ton)	275.00	Cum	709.00	194975.00
9.00	ROOFING				
9.01	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :				
	In 75x75 mm deep chase	125.00	metre	17.29	2161.25
9.02	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 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 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.	10.00	Each	175.53	1755.30
9.03	Providing and fixing single layer waterproof gypsum board 12.5 mm thick of the make Newgood Group Co. Ltd. or equivalent & Newgood Group Co. Ltd. company sections using waterproof board of size 1220 mm x 1830 mm x 8.0 mm suspended by G.I suapender of size 25 mm x 3 mm with intermediate channel of size 18 mm x 40 mm x 0.80 mm at 1220 mm center to center ceiling section of size 40 mm x 35 mm x 0.55 mm at 457 mm center to center and perimetre chanel A of size 20 mm x 27 mm x 30 mm x 0.50 mm at edges & drops including paper tap sand sofit cleat, anchor fastener,scoch bolt connectingcleatjoining compound top coat on ceiling including making necessary opening for light fitting, diffuser etc. complete as per detail drawing as directed.	400.00	Sqm	704.00	281600.00

Item No.	Description of Item	Quantity	Unit	Rate	Amount
9.04	Providing and fixing mineral fibre false ceiling tiles at all heights of size 595X595mm of approved texture, design and pattern. The tiles should have Humidity Resistance (RH) of 99%, Light Reflectance > 85%, Thermal Conductivity k = 0.052 - 0.057 w/m K, Fire Performance as per (BS 476 pt - 6 &7) in true horizontal level suspended on interlocking T-Grid of hot dipped all round galvanized iron section of 0.33 mm thick (galvanized @120 gsm) comprising of main T runners of 15x32 mm of length 3000 mm, cross T of size 15x32mm of length 1200 mm and secondary intermediate cross T of size 15x32 mm of length 600 mm to form grid module of size 600x600 mm suspended from ceiling using galvanized mild steel item (galvanised@80gsm) 50 mm long 8mm outer diameter M-6 dash fasteners, 6 mm diameter fully threaded hanger rod up to 1000 mm length and L-shape level adjuster of size 85x25x2 mm, spaced at 1200 mm centre to centre along main 'T'. The system should rest on periphery walls /partitions with the help of GI perimeter wall angle of size24x24X3000 mm made of 0.40 mm thick sheet, to be fixed to the wall with help of plastic rawl plug at 450 mm centre to centre & 40 mm long dry wall S.S. screws. The exposed bottom portion of all T-sections used in false ceiling support system shall be pre-painted with polyester baked paint, for all heights. The work shall be carried out as per specifications, drawings and as per directions of the engineer-incharge.				
	With 16 mm thick beveled tegular mineral fibre false ceiling tile (NRC 0.55 to 0.6	450.00	Sqm	1532.87	689791.50
10.00	FINISHING				
10.01	Providing 10mm thick cement plaster in single coat on brick/concrete walls for interior plastering upto floor two level and finished even and smooth in (iii) Cement mortar 1:6 (1-cement:6-sand)	4800.00	Sqm	65.00	312000.00
10.02	Providing 15mm thick cement plaster in single coat on Rough (Similar) side of single or half brick walls for interior plastering upto floor two level and finished even and smooth in (ii) Cement mortar 1:4 (1-cement :4-sand)	1400.00	Sqm	98.80	138320.00
10.03	Extra over items 1 to 69,71 to 87 and 90 for interior plastering above floor two level for every additional storey height.(2) Two coat plaster				
	i) 1st Floor	1500.00	Sqm	16.80	25200.00
	ii) 2nd Floor	975.00	Sqm	33.60	32760.00
	iii) Terrace	580.00	Sqm	50.40	29232.00
10.04	(A) Extra over items 58 to 67 for providing and mixing waterproofing material cement mortar in proportion recommended by the manufacturer.	200.00	Per bag of 50Kg of Cement	43.60	8720.00
10.05	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand)	2050.00	Sqm	13.84	28372.00
10.06	Extra over item 91 for plastering on ceiling and soffits of stairs above floor two level for every additional storey height.				
	i) 1st Floor	40.00	Sqm	16.80	672.00
	ii) 2nd Floor	40.00	Sqm	33.60	1344.00
	iii) Terrace	50.00	Sqm	50.40	2520.00
10.07	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	7050.00	Sqm	49.80	351090.00
10.08	Finishing walls with textured exterior paint of required shade :				
	New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm.	420.00	Sqm	166.85	70077.00
10.09	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
	Two or more coats on new work	450.00	Sqm	8.50	3825.00
10.10	Applying two coats of Birla or Asian acrylic lapy (putty) & two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	7050.00	Sqm	36.00	253800.00

Item No.	Description of Item	Quantity	Unit	Rate	Amount
10.11	Neat cement punning	36.00	Sqm	35.71	1285.56
11.00	Road Work				
11.01	Extra for compaction of earth work in embankment under optimum moisture conditions to give at least 95% of the maximum dry density (proctor density).	325.00	Cum	9.05	2941.25
11.02	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, omplete as per specifications and directions of Engineer-in-Charge.				
	With material conforming to Grade-I (size range 75 mm to 0.075 mm) having CBR Value-30	215.00	Cum	2055.31	441891.65
11.03	Construction of dry lean cement concrete sub base over a prepared sub-grade with coarse and fine aggregate conforming to IS:383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per specifications, cement content not to be less than 150 Kg/cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, for all leads & lifts, laid with a mechanical paver, compacting with 8-10 tonne vibratory roller, finishing and curing etc. complete as per direction of Engineerin-charge.	162.00	Cum	2707.41	438600.42
11.04	"Providing and laying design mix cement concrete of M-30 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, construction & 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-30 is @ 340 kg/cum. Excess/ less cement used as per design mix is payable/ recoverable separately.				
	Cement concrete prepared with batch mixing machine	282.00	Cum	5718.33	1612569.06
11.05	Providing and laying in position bitumen hot sealing compound for expansion joints etc.				
	Using grade 'A' sealing compound	19000.00	per cm depth per cm width per m length	2.00	38000.00
11.06	Providing and laying 500x500x40 mm thick Turf paver (Turf pave XD) on 150 mm thick sub grade of compacted bed of 20 mm thick nominal size stone aggregate and base course and filling with 150 mm thick jamuna sand, including spreading, well ramming, consolidating and finishing smooth etc. all complete as per direction of Engineer-in-charge.	140.00	Sqm	898.98	125857.20
11.07	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm length,30cm height and 15cm thick of M250 grade concret as per approved design and including excavation for fixing in proper line and level,filling the joint with C:M 1:3 (1cement:3fine	665.00	Rmt	239.00	158935.00
11.08	Providing and laying 60mm thick faciory made cement concrete interlocking paver block of M -25 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	475.00	Sqm	626.54	297606.50

Item No.	Description of Item	Quantity	Unit	Rate	Amount
12.00	WATER PROOFING				
12.01	Providing and laying integral cement based treatment for water proofing on horizontal surface at all depth below ground level for under ground structures as directed by Engineer-in-Charge and consisting of : (i) 1st layer of 22 mm to 25 mm thick approved and specified rough stone slab over a 25 mm thick base of cement mortar 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound conforming to IS:2645 in the recommended proportion over the leveling course (leveling course to be paid separately). Joints sealed and grouted with cement slurry mixed with water proofing compound. (ii) 2nd layer of 25 mm thick cement mortar 1:3 (1 cement: 3 coarse sand) mixed with water proofing compound in recommended proportions. (iii) Finishing top with stone aggregate of 10 mm to 12 mm nominal size spreading @ 8 cudm/sqm thoroughly embedded in the 2nd layer				
	Using rough kota stone.	2200.00	Sqm	926.00	2037200.00
12.02	Providing and laying integral cement based treatment for water proofing on the vertical surface by fixing specified stone slab 22 mm to 25 mm thick with cement slurry mixed with water proofing compound conforming to IS:2645 in recommended proportions with a gap of 20 mm (minimum) between stone slabs and the receiving surfaces and filling the gaps with neat cement slurry mixed with water proofing compound and finishing the exterior of stone slab with cement mortar 1:3 (1 cement : 3 coarse sand) 20 mm thick with neat cement punning mixed with water proofing compound in recommended proportion complete at all levels and as directed by Engineer-in-charge :				
	Using rough kota stone.	1300.00	Sqm	1299.00	1688700.00
12.03	Providing and applying of swellable type water stop tape, 19mm x 25mm thick in linear meter (expansive nature) for construction joints treatment of RCC structure such as raft slab, retaining walls, water storage tank and at the junctions of raft slab with the retaining walls etc.. After cleaning the surface, one coat of required primer for swellable water stop tape shall be applied throughout the length of the joint @3.78 litre per 240 running meter. Over the primed surface swellable type water stop tape shall be placed. The work shall be carried out all complete as per specification and the direction of the Engineer-In-Charge. The product performance shall carry guarantee for 10 years against any leakage.	430.00	Metre	426.00	183180.00
12.04	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of: (i) 1st course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. (ii) 11nd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. (iii) 111rd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area. (iv) 1Vth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).	115.00	Sqm	407.96	46915.40
12.05	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 the Engineer-In-Charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.				

Item No.	Description of Item	Quantity	Unit	Rate	Amount
	(b) Laying brick bats with mortar using broken bricks/ brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS:2645 and approved by the Engineer-In-Charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS:2645 and approved by the Engineer-In-Charge to required slope and treating similarly the adjoining walls up to 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 the Engineer-In-Charge.				
	(d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement : 4 coarse sand) admixed with water proofing compound conforming to IS:2645 and approved by the Engineer-InCharge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep.				
	(e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-In-Charge :				
	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	400.00	Sqm	3474.09	1389636.00
13.00	STRUCTURE GLAZING WORK				
13.01	Providing and supplying aluminium extruded tubular and other aluminium sections as per the architectural drawings and approved shop drawings , the aluminium quality as per grade 6063 T5 or T6 as per BS 1474,including super durable powder coating of 60-80 microns conforming to AAMA 2604 of required colour and shade as approved by the Engineer-in-Charge. (The item includes cost of material such as cleats, sleeves, screws etc. necessary for fabrication of extruded aluminium frame work. Nothing extra shall be paid on this account). The weight of aluminium extruded section shall be taken for purpose of payment.	14300.00	Kgs	318.40	4553120.00
13.02	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 conforming 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:				
	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 Dimentional 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 seperator to prevent bimetallic contacts with nuts and washersetc. 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.				

Item No.	Description of Item	Quantity	Unit	Rate	Amount
	(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.				
	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 Engineer- in-Charge.				
	Note:- 1. The cost of providing extruded aluminium frames, shadow boxes, extruded aluminium section capping for fixing in the grooves of the curtain glazing and vermin proof stainless steel wire mesh shall be paid for separately under relevant items under this subhead. However, for the purpose of payment, only the actual area of structural glazing (including width of grooves) on the external face shall be measured in sqm. up to two decimal places.				
	Note:-2. The following performance test are to be conducted on structural glazing system if area of structural glazing exceeds 2500 Sqm from the certified laboratories accredited by NABL(National Accreditation Board for Testing and Calibration Laboratories), Department of Science & Technologies, India. Cost of testing is payable separately. The NIT approving authority will decide the necessity of testing on the basis of cost of the work, cost of the test and importance of the work. Performance Testing of Structural glazing system Tests to be conducted in the NABL accredited lab or by any other accreditation body which operates in accordance with ISO / IEC 17011 and accredits labs as per ISO/ IEC 17025.				
	1. Performance Laboratory Test for Air Leakage Test (-50pa to -300pa) & (+50pa to +300pa) as per ASTM E-283-04 testing method for a range of testing limit 1 to 200 mVhr				
	2. Static Water Penetration Test. (50pa to 1500p) as per ASTM E- 331-09 testing method for a range up to 2000 ml.				
	3. Dynamic Water Penetration (50pa to 1500pa) as per AAMA 501.01-05 testing method for a range upto 2000 ml				
	4. Structural Performance Deflection and deformation by static air pressure test (1.5 times design wind pressure without any failure) as per ASTM E-330-10 testing method for a range upto 50 mm				
	5. Seismic Movement Test (upto 30 mm) as per AAMA 501.4- 09 testing method for Qualitative test, Tests to be conducted on site.				
	6. Onsite Test for Water Leakage for a pressure range 50 kpa to 240 kpa (35psi) upto 2000 ml	355.00	Sqm	2663.10	945400.50

Item No.	Description of Item	Quantity	Unit	Rate	Amount
13.03	Providing, assembling and supplying vision glass panels (IGUs) comprising of hermetically-sealed 6-12- 6 mm insulated glass (double glazed) vision panel units of size and shape as required and specified, comprising of an outer heat strengthened float glass 6mm thick, of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade, an inner Heat strengthened clear float glass 6mm thick, spacer tube 12mm wide, dessicants, including primary seal and secondary seal (structural silicone sealant) etc.				
	all complete for the required performances, as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge. The IGUs shall be assembled in the factory/ workshop of the glass processor. (Payment for fixing of IGU Panels in the curtain glazing is included in cost of item No.25.2) For payment, only the actual area of glass on face # 1 of the glass panels (excluding the areas of the grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm.				
	Coloured tinted float glass 6mm thick substrate with reflective soft coating on face # 2, + 12mm Airgap + 6mm Heat Strengthened clear Glass of approved make having properties as visible Light transmittance (VLT) of 25 to 35 %, Light reflection internal 10 to 15%, light reflection external 10 to 20 %, shading coefficient (0.25- 0.28) and U value of 3.0 to 3.3 W/m2 degree K etc. The properties of performance glass shall be decided by technical sanctioning authority as per the site requirement.	355.00	Sqm	2903.08	1030593.40
13.04	Extra for openable side / top hung vision glass panels (IGUs) including providing and supplying at site all accessories and hardwares for the openable panels as specified and of the approved make such as heavy duty stainless steel friction hinges, min 4 -point cremone locking sets with stainless steel plates, handles, buffers etc. including necessary stainless steel screws/ fasteners, nuts, bolts, washers etc. all complete as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineerin- Charge.	75.00	Sqm	2844.24	213318.00
13.05	Providing, fabricating and supplying shadow box of required size and shape, for fixing in the spandrel portion of the structural glazing, in linear as well as curvilinear portions of the building by providing semi - rigid, inorganic, non-combustible fibre glass wool insulation 50 mm thick, conforming to IS: 8183 and BS: 3958 Part 5. The insulation layer shall have facing (factory bonded on surface # 1 of the fibre glass insulation layer), of black non-woven fibre glass tissue of nominal thickness 0.5 mm and nominal mass not less than 60 gm /sqm, made of randomly oriented glass fibres distributed in a binder by a wet-lay process including fixing 1.5 mm thick solid aluminum sheet backing using, 6 mm thick cement board including SS rivets, nuts, bolts, washers etc complete.	90.00	Sqm	1679.80	151182.00
13.06	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. For payment, only the actual area of glass on face # 1 of the glass panels (but excluding the area of grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm. (Payment for fixing of Spandrel Glass Panels in the curtain glazing is included in cost of relevent Item*)." .				
	(i) Coloured tinted float glass 6mm thick substrate with reflective soft coating on face # 2, having properties as visible Light transmittance (VLT) of 25 to 35 %, Light reflection internal 10 to 15%, light reflection external 10 to 20 %, shading coefficient (0.25- 0.28) and U value of 3.0 to 3.3 W/m2 K etc. . The properties of performance glass shall be decided by technical sanctioning authority as per the site requirement.	90.00	Sqm	1866.36	167972.40

Item No.	Description of Item	Quantity	Unit	Rate	Amount
13.07	Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including: (a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design. (b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and				
	shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc. (c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium item.s				
	The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete , as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places.	1050.00	Sqm	3845.72	4038006.00
14.00	Rain water harvesting & tube well				
14.01	Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20cm, in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.	5.00	Cum	1120.00	5600.00
14.02	Supplying, filling, spreading & leveling gravels of size range 5 mm to 10mm, 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.	5.00	Cum	1126.00	5630.00
14.03	Supplying, filling, spreading & leveling coarase sand of size range 1.5 mm to 2mm in recharge pit, in required thickness over gravel layer, for all leads & lifts, all complete as per direction of Engineer-in-charge.	5.00	Cum	1126.00	5630.00
14.04	Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/medium/coarse, in required grading & size as per actual requirement, all complete as per direction of Engineer-in-charge.	1.50	Cum	1272.00	1908.00
14.05	Replacement of M.S. foot rests in manholes including dismantling concrete blocks and fixing with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size): With 20x20 mm square bar	30.00	each	491.00	14730.00
14.06	Providing and fixing in position precast R.C.C. manhole cover and frame. H D - 20				
	Circular shape 560 mm internal diameter	3.00	each	1349.00	4047.00

Item No.	Description of Item	Quantity	Unit	Rate	Amount
14.07	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	50.00	metre	1218.00	60900.00
14.08	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge.				
	150 mm nominal size dia	50.00	metre	587.00	29350.00
14.09	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality				
	L D- 2.5				
	Rectangular shape 600x450 mm internal dimensions	3.00	each	1121.00	3363.00
14.10	Constructing brick masonry INSPECTION chamber 60x60x60 cm with bricks of class designation 75 in cement mortar 1:4 (1 cement : 4 coarse sand) including CI cover with frame LIGHT WEIGHT complete as per design. With FPS bricks	2.00	each	10434.00	20868.00
15.00	MARKET RATE ITEMS				
15.01	Providing and fixing Toilet cubicals with the following specifications Thickness of Compact Laminate : 18 mm Color of HPL Boards: As approved by Engineer-in-charge Size of Cubicle : As per Drawing Door Size : 1725mm (H) x 610mm (W) Divider Size : 1725mm (H) Overall Height Of Cubicle : 1830mm (Including bottom Gap of 100mm) Accessories: Stainless Steel - 304 Grade accessories) a) SS "U" & Door Stopper Channel b) SS "F" channel (Only Corner Unit) c) SS Coat Hook d) SS Privacy Thumb turn c/w Occupancy Indicator e) SS Door Knob f) SS Spring Loaded Butt Hinges with Cover g) SS Shoe Box Leg 18mm - 316 Grade h) Rubber Lining for Groove i) S.S.Screws 304 G & P .V.C Wall Plugs j) SS Door Stopper Channel SPECIAL NOTE - Warpage Criteria is 3.0 mm/1000mm for MRS panels as per EN standard- 438	10.00	Each	44742.00	447420.00
15.02	Providing and filling AAC blocks including proper watering and compaction in sunken areas all complete as per drawings and as directed by the Engineer-in-charge in-Charge.	15.00	Cum	4846.07	72691.05
	ELECTRICAL ITEMS				
	Point wiring				
1.00	Point wiring for Light / Bell with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in/ on surface on wall/ceiling complete with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed.				
	(a) with medium class Rigid PVC pipe and accessories				
	Cat. III	409.00	POINT	424.40	173579.60

Item No.	Description of Item	Quantity	Unit	Rate	Amount
2.00	Point wiring for FAN with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling complete with 6A Modular type switch and hum free EME four or more step type electronic fan regulator with separately mounted and accessories with earth continuity of following type erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D.Connector as directed.				
	(a) with medium class Rigid PVC pipe and accessories				
	Cat. III	82.00	POINT	606.00	49692.00
3.00	Point wiring for Individual Plug with & earthwire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of to be erected concealed in / on surface of wall / ceiling complete with Modular type switch & 5 pin Plug erected on PVC / Metallic box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.				
	[I] For 6A Plug with 2-1.5 sq.mm Cu. Wire				
	(a) with medium class Rigid PVC pipe and accessories				
	Cat. III	164.00	POINT	449.45	73709.80
4.00	[III] For 16A Plug with 2-4 sq.mm Cu. Wire				
	(a) with medium class Rigid PVC pipe and accessories				
	Cat. III	73.00	POINT	797.90	58246.70
5.00	Point wiring for Looped Plug with 6A Modular type switch & 5 pin socket erected on PVC / Metallic box, single mounting base frame covered with textured / metallic front plate modules erected on / in wall / ceiling with following type accessories				
	Cat. III	94.00	POINT	242.40	22785.60
6.00	Point wiring for Two Way Controlled Light Point with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (green) both are of .ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling ,complete with 6A Modular type switches and following type of accessories erected on PVC / Metallic box, single mounting base frame covered with textured / metallic front plate modules erected on / in wall / ceiling as per pipe erected. with necessary batten/angle holder or ceiling rose or H.D.Connector as directed.				
	(a) with medium class Rigid PVC pipe and accessories				
	Cat. III	10.00	POINT	535.30	5353.00
7.00	Providing following type of Modular Type Accessories mounted with pvc / metallic box, single mounting base frame covered with textured / metallic front plate , modules erected with necessary connection. As desired by Engineer In charge				
7.10	(1)One No. SP 6 Amp.				
	Cat.III	80.00	Ea.	151.50	12120.00
7.20	(3) Two Pin/RJ-11 Telephone Socket				
	[A] For One Gang				
	Cat.III	65.00	Ea.	161.60	10504.00
7.30	(4) TV Co-axial Socket outlet				
	Cat.III	14.00	Ea.	161.60	2262.40
7.40	(5) Electronic hum Free four or more steps EME Fan regulator				
	Cat.III	65.00	Ea.	404.00	26260.00
7.50	(7) Blank Plate Single				
	Cat.III	50.00	Ea.	20.20	1010.00
7.60	(8) Modem Jack for Computer Open RJ-45				
	Cat.III	80.00	Ea.	161.60	12928.00
7.70	(9) 16 Amp. SP one way switch				
	Cat.III	10.00	Ea.	181.80	1818.00
7.80	(10) 6/16Amp. Universal socket				
	Cat.III	240.00	Ea.	202.00	48480.00
7.90	(11) 6 Amps. Bell Push				
	Cat.III	10.00	Ea.	151.50	1515.00
7.10	(12) 6Amp. / 16 Amp. Two Way switch				
	Cat.III	2.00	Ea.	171.70	343.40
7.11	(19) Modular Indicating Call Bell				
	Cat.III	10.00	Ea.	333.30	3333.00
7.12	(20) Modular Buzzer				

Item No.	Description of Item	Quantity	Unit	Rate	Amount
	Cat.III	10.00	Ea.	151.50	1515.00
7.13	(21) White Foot Light with concealed box, modular accessories, acrylic glass cover with suitable CFL 9/11/13 W / LED lights				
	(a) equal of four modules	16.00	Ea.	505.00	8080.00
7.14	(22) 16/20/25 Amp. Modular Starter for Motor / A.C. Unit Complete				
	Cat.III	39.00	Ea.	505.00	19695.00
8.00	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)				
8.10	[3] 100mm x 25mm x 1.6 mm with one compartment	200.00	Mtr	464.60	92920.00
8.20	[4] 225mm x 25mm x 1.6 mm with Three Compartment	150.00	Mtr	989.80	148470.00
8.30	[5] 250mm x 25mm x 1.6 mm with Three Compartments	50.00	Mtr	1060.50	53025.00
9.00	[C] G.I. 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.				
9.10	[1] 150mm x 150mm x 60/75 mm depth	50.00	Ea	1010.00	50500.00
9.20	[2] 250mm x 250mm x 60/75 mm depth	20.00	Ea	1464.50	29290.00
10.00	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	900.00	Mtr.	80.80	72720.00
11.00	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				
11.10	(d) 3 wire 4 sq. mm	2000.00	Mtr.	143.42	286840.00
11.20	(h) 4 wire 6 sq. mm	50.00	Mtr.	262.60	13130.00
11.30	(i) 4 wire 10 sq. mm	180.00	Mtr.	429.25	77265.00
12.00	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	350.00	Mtr.	30.30	10605.00
13.00	Supplying & erecting Delton or 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 & conforming 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				
13.10	2) Two Pairs	975.00	Mtr.	14.14	13786.50
13.20	4) Five Pairs	20.00	Mtr.	30.30	606.00
13.30	5) Ten Pairs	20.00	Mtr.	50.50	1010.00
13.40	6) Twenty Pairs	80.00	Mtr.	101.00	8080.00
	(b) Armoured [Jelly Filled]				
13.50	1) Ten Pairs	5.00	Mtr.	101.00	505.00
13.60	2) Twenty Pairs	5.00	Mtr.	161.60	808.00
13.70	3) Fifty Pairs	5.00	Mtr.	393.90	1969.50
13.80	4) One Hundred Pairs	5.00	Mtr.	712.05	3560.25
14.00	Supplying & erecting approved make LAN cable of following size in existing pipe as per direction				
	[D] CAT - 6 e	2000.00	Mtr	70.70	141400.00
15.00	Providing & erecting main Distribution (MDF) indoor type, back mounted frame.				
15.10	(a) Suitable for 10 pair	1.00	Ea.	606.00	606.00
15.20	(b) Suitable for 20 pair	3.00	Ea.	1010.00	3030.00
15.30	(c) Suitable for 50 pair	2.00	Ea.	1515.00	3030.00

Item No.	Description of Item	Quantity	Unit	Rate	Amount
16.00	Supplying & erecting Electronic Type Cordless Call Bell erected on PVC/Metal board having portable bell push working on D.C. & bell on 230V A.C. supply with cells / battery	12.00	Ea.	252.50	3030.00
17.00	Miniature circuit breaker single pole 1A to 32A 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	168.00	Ea.	116.15	19513.20
18.00	Providing & erecting 415V MCB Four Pole Switch for Lighting Load (B curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity				
18.10	(a) 6 to 32 Amp.				
	Cat. III	1.00	Ea.	595.90	595.90
18.20	(b) 40 Amp.				
	Cat. III	7.00	Ea.	656.50	4595.50
19.00	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				
19.10	(b) 40 Amp.				
	Cat. III	1.00	Ea.	686.80	686.80
19.20	(c) 63 Amp.				
	Cat. III	3.00	Ea.	757.50	2272.50
20.00	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, confirming to IS 13032 and BS 5486-1986 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used)				
20.10	(L) Three phase 6 way SS Double door for single phase outgoing horizontal box	2.00	Ea.	2514.90	5029.80
20.20	(N) Three phase 8 way SS Double door for horizontal single phase outgoing	9.00	Ea.	2949.20	26542.80
21.00	Supplying & erecting Sheet Steel powder coated Cable end termination Box to be mounted on Top or Bottom of the MCB Distribution Box for housing/covering Extra wires & Cables, suitable for following size of MCB DB Box.				
21.10	(F) Three Phase 6 Way	2.00	Ea.	555.50	1111.00
21.20	(G) Three Phase 8 Way	9.00	Ea.	656.50	5908.50
22.00	Approved make ELCBs / RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 6 KA and suitable for operation on 3 phase and neutral 415V. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component for following Max. rating erected as directed.				
22.10	(ii) 40Amps. FP				
	Cat. III	7.00	Ea.	3110.80	21775.60
22.20	(iii) 63 Amps. FP				
	Cat. III	1.00	Ea.	3585.50	3585.50
22.30	(iv) 100 Amps. FP (100 mA Sensitivity)				
	Cat. III	3.00	Ea.	5090.40	15271.20
24.00	Providing and erecting metallic vitrified danger notice board for MEDIUM VOLTAGE installation to be erected as per IS.	6.00	Ea.	80.80	484.80
25.00	Providing and erecting metallic vitrified danger notice board for HIGH VOLTAGE installation to be erected as per IS.	4.00	Ea.	95.95	383.80
26.00	Providing & erecting Medium Voltage Danger Notice Board sticker of standard size	6.00	Ea	30.30	181.80
27.00	Providing & erecting High Voltage Danger Notice Board sticker of standard size	4.00	Ea	40.00	160.00
28.00	Providing and erecting required size HOT deep Galvanised iron strip for earthing of HT/ OCB/ ACB/ Transformer LT panel board, Motors etc. using proper clamp.	10.00	Kg.	90.90	909.00
29.00	Providing and erecting HOT deep Galvanised iron strip wire 8 to 16 SWG.	10.00	Kg.	90.90	909.00
30.00	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)	4.00	Ea.	969.60	3878.40
31.00	For using salt and charcoal / coke as required for pipe type earthing.	4.00	Ea.	202.00	808.00

Item No.	Description of Item	Quantity	Unit	Rate	Amount
32.00	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 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.				
33.00	(a) For Electrical Installation up to 440V in normal soil Length of pipe - 1 Mtr Back filling compound - 1 Nos Bag of 15 Kg.	2.00	Ea.	7221.50	14443.00
34.00	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 3blades with aluminium blades with , canopy & 30 cms. down rod erected with 24/ 0.2, 3 core flexible wire with earthing.(Make shall be approved by Engineer in charge)	60.00	Ea.	2090.70	125442.00
35.00	Providing & erecting Approved make Power Saving 50 Watt Ceiling Fan with double ball bearing ISI mark with Condenser 230 volt A.C. 50 Hz 600 mm sweep complete having 3blades with aluminium blades with , canopy & 30 cms. down rod erected with 24/ 0.2, 3 core flexible wire with earthing.(Make shall be approved by Engineer in charge)	5.00	Ea.	1860.70	9303.50
36.00	Supplying and erecting 19 / 20 mm. nominal bore Medium Class M.S. Pipe down rod erected duly painted for fan complete with necessary 24/ O.20, 3 core flexible wire with earthing.	65.00	Mtr.	126.25	8206.25
37.00	Supplying & erecting Fan Hook of 10 mm M.S. Round bar grouted in RCC slab with Making the site as original.	65.00	Ea.	50.50	3282.50
38.00	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.	65.00	Ea.	126.25	8206.25
39.00	Providing Fan clamp of 30 x 5 mm flat of required length & 10 mm M.S. Bolt & Nuts erected with necessary hook of 10 mm M.S. Round Bar.	65.00	Ea.	116.15	7549.75
40.00	Providing 2.5mm.thick laminated acrylic sheet to cover the fan hook or Fan box.	65.00	Ea.	20.20	1313.00
41.00	Supplying & erecting approved make low noise decorative exhaust fan having size 200mm with 1350 RPM with square frame ABS body with inbuilt lowers & square frame.	13.00	Ea.	2009.90	26128.70
42.00	Providing suitable M.S. louver shutter of the Exhaust fan.	13.00	Ea.	434.30	5645.90
43.00	Supplying & erecting electro galvanised G.I. wire micro mesh jali cover of grade 304 required size with suitable wooden frame duly fitted in wall outside of exhaust fan for insect protection.	2.00	Sq. Mtr	747.40	1494.80
44.00	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.	13.00	Ea.	222.20	2888.60
45.00	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	4.00	Ea.	2989.60	11958.40
CABLES					
46.00	Making trench in soft soil of suitable width of 90 cms deep for laying cable or locating the fault all over the run and backfilling the same and making the surface as normal ground.	100.00	Mtr.	40.40	4040.00
	Providing & laying. R.C.C. Hume pipe for cable to be laid 90 cms. below ground across the road crossing or on floor with necessary material in an approved manner and making the ground as per original.				
46.10	(A) 250 mm dia	10.00	Mtr.	277.75	2777.50
46.20	(B)150 mm dia	10.00	Mtr.	247.45	2474.50
47.00	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.				
47.10	(A) 3 & 1/2 / 4 core 25 Sq. mm	56.00	Ea.	70.70	3959.20

Item No.	Description of Item	Quantity	Unit	Rate	Amount
47.20	(B) 3 & 1/2 core 35/50 Sq. mm	16.00	Ea.	80.80	1292.80
47.30	(C) 3 & 1/2 core 70 Sq. mm	8.00	Ea.	111.10	888.80
47.40	(D) 3 & 1/2 core 95 Sq. mm	8.00	Ea.	141.40	1131.20
47.50	(E) 3 & 1/2 core 120 Sq. mm	8.00	Ea.	151.50	1212.00
47.60	(F) 3 & 1/2 core 150 Sq. mm	2.00	Ea.	207.05	414.10
47.70	(G) 3 & 1/2 core 185 Sq. mm	2.00	Ea.	257.55	515.10
47.80	(H) 3 & 1/2 core 240 Sq. mm	2.00	Ea.	267.65	535.30
47.90	(I) 3 & 1/2 core 300 Sq. mm	8.00	Ea.	303.00	2424.00
CABLES					
48.00	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	(A) 3 1/2 core 25 Sq. mm (16 Sq. mm 1/2 core)	200.00	Mtr.	222.20	44440.00
b	(A-1) 3 1/2 core 35 Sq. mm (16 Sq. mm 1/2 core)	50.00	Mtr.	272.70	13635.00
c	(B) 3 1/2 core 50 Sq. mm (25 Sq.1/2 mm core)	50.00	Mtr.	353.50	17675.00
d	(C) 3 1/2 core 70 Sq. mm (35 Sq. mm 1/2 core)	50.00	Mtr.	459.55	22977.50
e	(D) 3 1/2 core 95 Sq. mm (50 Sq. mm 1/2 core)	20.00	Mtr.	621.15	12423.00
f	(E) 3 1/2 core 120 Sq. mm (70 Sq. mm 1/2 core)	20.00	Mtr.	666.60	13332.00
g	(F) 3 1/2 core 150 Sq. mm (70 Sq. mm 1/2 core)	20.00	Mtr.	873.65	17473.00
h	(G) 3 1/2 core 185 Sq. mm (95 Sq. mm 1/2 core)	20.00	Mtr.	1085.75	21715.00
i	(H) 3 1/2 core 240 Sq. mm(120 Sq. mm 1/2 core)	20.00	Mtr.	1373.60	27472.00
	(I) 3 1/2 core 300 Sq.mm (150 Sq. mm 1/2 core)	100.00	Mtr.	1686.70	168670.00
49.00	MAIN LT PANEL				
	Designing, fabricating, transporting, unloading, storing, fixing in position, testing and commissioning the following sheet steel cubicle type panels fabricated from 1.6mm thick CRCA sheet, dust and vermin proof, outdoor type, double door, with canopy, TPN Panels with hinged lockable doors fabricated from 2mm thick CRCA sheet, suitable for 415V, 3 phase 4 wire 50Hz AC supply with rear access for cable alley and with segregated bus-bar chamber with tinned aluminium bus bar and including supplying and fixing following switchgears, meters and accessories, inter-connections, bonding to earth, powder coated painting and marking as specified. Switch boards complete as per schematic diagram:				
	Type of construction: Form 3				
	IP classification: 42				
	All MCCBs in Main LT Panel shall have minimum 50 kA breaking capacity				
	The LT PANEL shall be electrically inter-locked as shown in Schematic diagram and as detailed in the Specifications				
	Colour: Gray Powder Coated, as per approved sample.				
	Incomings:				
	1 nos, 630 Amps. 4 pole MCCB i.e four pole type MCCB of fault breaking capacity 50 KA (ICS=ICU up to 433 V)				
	b) Microprocessor release for over current, earth fault & short circuit protection-1set.				
	c) Digital type Voltmeter, with selector switch & back up HRC fuses/MCB's-1 set.				
	d) Digital type Ammeter, with selector switch and one set of 3 nos. CT's of ratio 1600/5A Class I accuracy and 15 VA burden-1 set. (Ratio to be filled up).				
	e) 3 Nos. Phase indication LED lamps for each incoming with 2 Amp back up HRC fuse, breaker 'ON' indicating light with 2 A HRC fuse, test terminal block set, fuses, circuits as per standard practice, auxiliary contacts for positive interlocking of the breakers as required.				
	f) Shunt trip coil 220 V AC.				
	Bus Bars:				
	TPN aluminum bus bars of minimum of 800 Amps capacity with heat shrinkable colored sleeves and I/C DMC/SMC bus bars supports at required intervals complete for cross section, size supports & their spacing etc. for withstanding fault level of 25 MVA for 1 Sec.				
	Outgoings:				
	(a) 250 Amps TPN MCCB (ICS=50 kA) - 2 Nos.				
	(c) 100 Amps TPN MCCB (ICS=16 kA) - 4 Nos.				
	(d) 63 Amps, TPN, MCB -4 Nos.				

Item No.	Description of Item	Quantity	Unit	Rate	Amount
	(e) 40 Amps, TPN, MCB -8 Nos. CAPACITOR PANEL (80 KVAR): -				
	Supply, install, test and commissioning of floor mounted capacitor panel 80 KVAR Capacity in 8 step automatic Power factor correction relay with setting for "Set Power Factor Bandwith ",and with integaral PF meter.				
	Panel complete as above with capacitor panel	1.00	each	653600.00	653600.00
50.00	Lift DB				
	Incomer: 1nos 63A, 300mA 4P ELCB.				
	Outgoing:				
	1nos 32A TPN MCBs				
	2nos 16A DP MCB				
	Floor boards complete as above	1.00	nos	17100.00	17100.00
51.00	Supplying, Erecting, Testing & Commissioning the passenger / stretcher lift having following main features:				
	[1] GEAR LESS LIFT DRIVE comprising of High Starting torque Lift duty 3 phase 440 V A. C. Permanent magnetic 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 anti skid PVC with choice of colour 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.				
	[4] All landing doors 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. [5] Appropriate battery operated emergency light in the car along with alarm switch shall be provided. [6] Digital scrolling indicator system for up-down arrow along with floor position indicator shall be provided inside the car and at all floors. [7] Full height infra red curtain with multiple criss / crossing light beams shall be provided. [8] Automatic Rescue Device (ARD) shall be provided accordingly of passenger capacity. [9] Audio visual indication in the lift car showing over loading shall be provided such that doors kept open till excess load is removed.				
	[10] Spring buffers/PU Buffers shall be provided. [11] Car fan with automatic sleep timer shall be provided. [12] Voice annunciater with suitable music shall be provided in lift car. [13] Self diagnostics system for operational and safety parameters shall be provided in control panel. [14] Mechanical over speed governor, door key holes in the floor doors, fireman switch shall be provided. [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... [16] In the hoist way fascia plate shall be provided without any extra cost, where ever required as / if directed by engineer in charge.				

Item No.	Description of Item	Quantity	Unit	Rate	Amount
	[17] Permanent wiring in 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. Power supply of 3 phase 440 V shall be made available by department in lift machine room. [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.) [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] As per statutory requirement of Got. Of Gujarat lift & escalator act 2000, lift agency has to provide 1. Car top safety barricade 2. Push & talk communication system. 3. Fireman's switch operation at Ground Floor				
	8/ 10 passengers. Ground plus 3 upper floor with Rated Speed of 1.0 m/sec with micro proce/PLC control and ACVVVF drive (Basement+Ground+2)	1.00	Each	1250000.00	1250000.00
52.00	Providing printed instruction chart both in English and Gujarati and duly framed with front glasses, for treatment of person suffering from Electric shock	2.00	Ea.	150.00	300.00
53.00	Providing pair of rubber hand gloves suitable for working on 11 KV/22 KV supply.	2.00	Ea.	250.00	500.00
54.00	Supplying rubber matting of 6 mm thickness as per IS 5424 and of required length and breadth with good insulation property for 22 KV	5.00	Sq.Mtr	990.00	4950.00
55.00	Supplying stand first AID box with antiseptic cream, medicine for use on wounds due burn, crepe bandage, gauge bandage, medicated ready to use bandage (Band-aid) adhesive tape for medicinal user, Scissors, anti-septic solution (Savlon or similar) etc. (All above contents shall be of standard makes)	1.00	Ea.	350.00	350.00
56.00	Providing and erecting 3 star and above rated approved make split air conditioning unit consisting of condensing unit with fan motor, hermetically sealed rotary compressor with accessories etc. duly connected separately erected evaporating unit and blower motor with its accessories by means of proper insulated copper tubing up to 5 RMT suitable for (Cost includes M.S. Stand, Gas Charging & Internal Copper Wiring & Remote Control)				
	(B) for 2 ton capacity	1.00	Ea.	33000.00	33000.00
57.00	Supplying & erecting approved make street light box comprising CNC Processed robust housing made from single sheet multi folded with high grade powder coating (RAL-7032 Structure finish as Standard) of IP-55 degree of Protection Gasket(PU Gasketing) of following size of Box.				
	(i) 350mm X 200 mm X 150 mm	14.00	each	1616.00	22624.00
58.00	Providing C.I./M.S. flange type base plate of 300mm x 300mm x 6mm	14.00	Ea.	282.80	3959.20
59.00	Providing M-20 / 1:2:4 cement concrete foundation & 70 % PCC from bottom including excavation for the pole of size 45 x 45 x 100 cms. Deep in below ground level with plinth of 45 cms x 45 cms (or 45 cms dia x 45 cms) high upper ground level with necessary curing and finishing in approved manner. (for 4 & 6 mtr pole)	14.00	Ea.	828.20	11594.80
60.00	Providing and fixing approved make Octagonal poles. Made from CR sheet steel. The pole should be made as per IS. and shall be coated with hot dip galvanizing as per IS 2629/4759. with required base plate suitable suspend local wind speed to be erected on existing foundation.				
	(A) 3 Mtr. Long 70 mm Top X 130 mm bottom dia.3 mm thickness	14.00	Ea.	5706.50	79891.00
61.00	Providing Aluminium arm bracket of having 2 sets of suitable SS304 hardware for fixing the brackets & spread of 1.2 Mtr (Suitable for 89 to 114 mm pole top dia)				
	(a) Single arm bracket	14.00	Ea	3514.80	49207.20
	(b) Double arm bracket	14.00	Ea	5433.80	76073.20
	P A System				
1.00	Supplying, installation, testing & commissioning of 1.5/3/6W ceiling speaker complete as required	40.00	Nos.	835.00	33400.00

Item No.	Description of Item	Quantity	Unit	Rate	Amount
2.00	Supplying, installation, testing & commissioning of 6 zone, voice alarm controller with USB, MP3 player (including 6 zone button paging station) with seamless integration facility with main fire alarm panel for voice evacuation complete as required.	1.00	Nos.	110827.00	110827.00
3.00	Supplying, installation, testing & commissioning of digital audio amplifier 75 Watt, 25V rms operating at 240 Volt AC Supply complete as required.	4.00	Nos.	127821.00	511284.00
4.00	Supplying, installation, testing & commissioning of Voice command keypad 6 zone, with microphone assembly complete as required.	1.00	Nos.	71673.00	71673.00
5.00	Supplying and drawing of cable Fire Retardant PVC insulated copper conductor cable in the existing surface/ recessed steel conduit of following pairs, cores and size including connections and interconnections etc. as required.				
	Speaker cable Two pair, 2-core, 1.5 sqmm	600.00	RM	74.80	44880.00
	Lighting				
1.00	Supply, Installation, Testing and Commissioning of Ceiling mounting surface downlight with LED (Light Emitting Diode) system power of 15W, luminous flux of luminaire 1350lm, CRI> 80, 230V constant current driver, direct light emission, housing in die-cast aluminium, opal diffuser for uniform illumination, passive cooling, electronic control gear, Protection class I, $\phi = 168$ mm, H = 35 mm	80.00	Nos.	2597.00	207760.00
2.00	Supply, Installation, Testing and Commissioning of Pendant luminaire Linear HPE (High Performance Efficiency) LED (Light Emitting Diode) system power: 36 W, Luminous flux of luminaire 3960 lm, Colour temperature of 5700 K, Cool white, CRI > 80, 230 V constant current driver, 70% of luminous flux after 50,000 operating hours; Energy efficient LEDs, Direct light emission, Luminaire profile in anodised aluminium, Opal diffuser for a homogenous light distribution, ZHLS (ZERO HALOGEN LOW SMOKE) internal wiring, Electronic control gear, Protection class I, IP 40, L = 1188 mm, PL max = 1500 mm with 6 mm Threaded Rod for suspension	142.00	Nos.	2791.20	396350.40
3.00	Supply, Installation, Testing and Commissioning of LED recessed mounted circular downlight with LED (Light Emitting Diode) for system power 10W, luminous flux of 1000 lm, CRI> 80, 230V constant current driver, colour temperature of 5700/4000/3000K neutral white, direct light emission, Black housing with ceiling trim, in die-cast aluminium, polyester powder coat applied over a 5-stage pre-treatment, deep white satin diffuser, passive cooling, Electronic Control Gear, Protection class I, IP 20, $\phi = 120$, DA(ϕ) = 110mm, HT = 35 mm	10.00	Nos.	2097.00	20970.00
4.00	Supply, Installation, Testing and Commissioning of COB based Pendant downlight system power: 12W, luminous flux of luminaire 1200lm, colour temperature of 5700/4000/3000K, 230V constant current driver, 70% of luminous flux after 50,000 operating hours; energy efficient LEDs, direct light emission, housing in aluminium, round, polyester Black powder coat applied over a 5-stage pre-treatment, aluminium reflector, narrow beam angle, integral electronic control gear, Protection class I, IP20, $\phi = 75$ mm, H = 250 mm.	10.00	Nos.	4142.00	41420.00
5.00	Supply, Installation, Testing and Commissioning of Recessed foot light with LED (Light Emitting Diode) system power: 03W, luminous flux of luminaire 220lm, 5700/4000/3000K, warm white, CRI>80, 230V constant current driver, direct light emission, with reflector, aluminium housing polyester powder coated white applied over a 5-stage pre-treatment, electronic control gear, Protection class II, IP65, L = 70mm, B = 32mm, H = 22mm,	14.00	Nos.	3997.00	55958.00
6.00	Supply, Installation, Testing and Commissioning of Spike mounted light with LED (Light Emitting Diode) system power: 5W, luminous flux of luminaire 450lm, colour temperature of 5700/4000/3000K, warm white, 230V constant current driver, 70% of luminous flux after 50,000 operating hours, energy efficient LEDs, direct light emission, luminaire housing in aluminium die cast, polyester powder coated black applied over a 5 stage pre-treatment, electronic control gear Protection class II, IP65 $\phi = 60$ mm, H = 100mm, SL = 190mm	10.00	Nos.	4647.00	46470.00

Item No.	Description of Item	Quantity	Unit	Rate	Amount
7.00	Supply, Installation, Testing and Commissioning of LED recessed luminaire with LED(Light Emitting Diode) system power: 32W, colour temperature of 6500K/4000/3000k, 230V constant current driver, 70% of luminous flux after 50,000 operating hours, energy efficient LEDs, CRI>80, luminous flux of 3200 lm, electronic control gear, direct light emission, 1.2mm thick aluminium extruded frame, polyester white powder coat applied over a 5-stage pre-treatment, opal diffuser for glare-free uniform light Protection class I, IP40, L = 595mm, B = 595mm, H = 70mm	163.00	Nos.	3897.00	635211.00
8.00	Supply, Installation, Testing and Commissioning of Pendant luminaire Y formation with HE-High Efficiency LED (Light Emitting Diode) system power: 14W, luminous flux of luminaire 1400lm, colour temperature of 3000K/4000K/5700K, CRI>80, PF .95 230V constant current driver, 70% of luminous flux after 50,000 operating hours, energy efficient LEDs, direct light emission, luminaire profile powder coated in white, prismatic diffuser for a homogenous light distribution, ZHLS(ZERO HALOGEN LOW SMOKE) internal wiring, ELECTRONIC CONTROL GEAR, sliding fixing wire suspension. Protection class I, IP40, L =(600x5) mm, B = 52 mm, H = 74 mm	2.00	Nos.	25058.00	50116.00
9.00	Supply, Installation, Testing and Commissioning of Streetlight with LED (Light Emitting Diode) system power: 30W, luminous flux of luminaire 3900lm, 5700K, CRI 80, 230V constant current driver, 70% of luminous flux after 50,000 operating hours, energy efficient LEDs , direct light emission, clear glass, housing in die-cast aluminium, polyester powder coated grey applied over a 5-stage pre-treatment, integral electronic control gear, Protection class I, IP65, L = 335mm, B = 139mm, H = 92mm, PD(Pole Dia.) = 43mm	14.00	Nos.	3984.00	55776.00
	Fire Alarm				
1.00	Supplying, installation, testing and commissioning of micro processor based intelligent addressable main fire alarm panel, central processing unit with the following loop modules and capable of supporting not less than 240 devices (including detectors) and minimum 120 detectors per loop and loop length up to 2 km, network communication card, minimum 320 character graphics/ LCD display with touch screen or other keypad and minimum 4000 events history log in the non volatile memory (EPROM), power supply unit (230 ± 5% V, 50 hz), 48 hrs back-up with 24 volt sealed maintenance free batteries with automatic charger. The panel shall have facility to connect printer to printout log and facility to have seamless integration with analog/digital voice evacuation system (which is part of the schedule of work under SH: PA System) and shall be complete with all accessories . The panel shall be compatible for IBMS system with open protocol BACnet/ Modbus over IP complete as per specifications.				
	Two Loop Panel.	1.00	No	395722.00	395722.00
2.00	Supplying, installation, testing & commissioning of repeater panel with 320 character/ Touch screen LCD display with inbuilt reset, acknowledge and silence switches complete as required.	4.00	No	95024.00	380096.00
3.00	Supplying, installation, testing & commissioning of intelligent analog addressable photothermal detector complete with mounting base complete as required.	150.00	No	2495.00	374250.00
4.00	Supplying, installation, testing & commissioning of response indicator on surface/recessed MS Box having two LED, metallic cover complete with all connections etc as required.	20.00	No	231.00	4620.00
5.00	Supplying, installation, testing & commissioning of intelligent addressable thermal detector with rate of rise cum fixed temperature thermistor complete with base as required.	60.00	No	2379.00	142740.00
6.00	Supplying, installation, testing & commissioning of fault isolator complete with base as required.	20.00	No	2856.00	57120.00
7.00	Supplying, installation, testing & commissioning of intelligent addressable programmable sounder complete as required.	3.00	No	2313.00	6939.00
8.00	Supplying, installation, testing & commissioning of addressable fire control module complete as required	1.00	No	2622.00	2622.00
9.00	Supplying, installation, testing & commissioning of addressable phone control module complete as required.	1.00	No	2854.00	2854.00

Item No.	Description of Item	Quantity	Unit	Rate	Amount
10.00	Supplying, installation, testing & commissioning of addressable horn cum strobe complete as required.	14.00	No	3063.00	42882.00
11.00	Supplying, installation, testing & commissioning of addressable manual call point complete as required.	14.00	No	3383.00	47362.00
12.00	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	3150.00	Mtr.	124.00	390600.00
13.00	Supplying & Fixing of 6W LED illuminated "EXIT" signage, complete as required.	16.00	No	5058.00	80928.00
	Ventilation				
1.00	Fresh Air Fans - Axial Flow Fan (Non-Fire Rated)				
	Supply, installation, testing and commissioning of Direct drive Tube Axial fans complete with Hot dipped Galvanised Steel Casing with spun flanges, adjustable pitch die cast aluminium impeller (Hub and Aerofoil blades) and IE3 motors. Casing position shall be as per the job requirement and shall be marked on the fan assembly.The complete fan assembly with its casing, impeller and motor (not only motor or one of the item) shall be sourced from one manufacturer. Fan mut be AMCA certifeid for Air & sound both.Make : Systemair				
	Normal Mode				
1.10	9000 CFM, S.P 30 mm WG	1.00	Nos	86100.00	86100.00
	Emergency Mode				
1.20	9000 CFM, S.P 30 mm WG	1.00	Nos	86100.00	86100.00
2.00	Exhaust Air Fans - Axial Flow Fan (Fire Rated 250 deg for 2 Hrs.)				
	Supply, installation, testing and commissioning of Direct drive Tube Axial fans complete with Hot dipped Galvanised Steel Casing with spun flanges, adjustable pitch die cast aluminium impeller (Hub and Aerofoil blades) and IE3 motors. Casing position shall be as per the job requirement and shall be marked on the fan assembly.The complete fan assembly with its casing, impeller and motor (not only motor or one of the item) shall be sourced from one manufacturer and certified and tested as per EN12101-3-2015, 250 degree for 2 Hrs operation. CE mark & AMCA certification must.Make : Systemair				
	Normal Mode				
2.10	9000 CFM, S.P 30 mm WG	1.00	Nos	100147.00	100147.00
	Emergency Mode				
2.20	9000 CFM, S.P 30 mm WG	1.00	Nos	100147.00	100147.00
3.00	CONTROL PANELS for Axial fans				
3.10	Supply and Installation of Electrical cum PLC Panel for Basement with suitable incomer MCB of 100A TPN and suitable outgoing of 40A TPN MCB (4nos +2 nos spare) along with suitable star delta starter suitable for 3-4 KW motor, aluminium bus bar , PLC logic controller with necessary internal control wiring etc complete in all respect for basement ventilation	1.00	Set	160000.00	160000.00
4.00	Lift well Pressurization Axial fan				
	Supply, installation, testing and commissioning of Direct drive Tube Axial fans complete with Hot dipped Galvanised Steel Casing with spun flanges, adjustable pitch die cast aluminium impeller (Hub and Aerofoil blades) and IE3 motors. Casing position shall be as per the job requirement and shall be marked on the fan assembly.The complete fan assembly with its casing, impeller and motor (not only motor or one of the item) shall be sourced from one manufacturer. Fan mut be AMCA certifeid for Air & sound both.Make : Systemairalong with suitable star delta starter and TPN MCB of 32 A in enclosure along with all necessary connections complete in all respect				
4.10	5000 CFM, S.P 25 mm WG	1.00	Nos	76000.00	76000.00

Item No.	Description of Item	Quantity	Unit	Rate	Amount
5.00	Ducting				
	Supply, installation, balancing and commissioning of factory fabricated GSS sheet metal rectangular/round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications of following sheet thickness complete as required.				
5.10	Thickness 24 G (0.63 mm)	432.00	SQM	1160.00	501120.00
5.20	Thickness 22 G (0.80 mm)	108.00	SQM	1423.00	153684.00
A	TOTAL ESTIMATED AMOUNT -- RS. ---				66413282.35
B	Bidder's Offer (+ / -) in %				
C	Grand Total C = A +/- (A*B)]				
D	Add 1% Welfare cess on C				1%
E	Total including Welfare Cess ----- E = C + D -----				
	GST Rate ----- SAC Code -----9954				18%
F	Goods & Service Tax F = E x GST% i.e. 18%as applicable on the date of tender in amount Rs.				
G	Grand Total including Welfare Cess & GST ---- G = E + F -----				
	Final Offer (in Rs.)				
	Final Offer (Rs. In Words)				
	We have read and clearly understood the terms, conditions, Schedule 'B' and Technical specifications put up by UGVCL on WEB site. I/We hereby accept all the conditions and specifications of this tender document, and accordingly, I/We am/are willing to carry out the work at quoted rate as above.				
SIGNATURE OF CONTRACTOR (With rubber stamp/seal of the company)			Chief Engineer (Operation) UGVCL R.O. MEHSANA		