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TENDER DOCUMENT

**FOR (CIVIL, PUBLIC HEALTH &
ELECTRICAL WORKS)**

**THE CONSTRUCTION OF BUILDINGS FOR CANARA BANK
SELF EMPLOYMENT TRAINING INSTITUTE FOR RURAL INDUSTRIES
AT HONNENAHALLI KOLAR DISTRICT.**

VOLUME-II- Price Bid containing Bill of Quantities

ARCHITECTS & CONSULTANTS

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ISSUED TO _____

**Proposed Constructions of Hostel Building for Canara Bank Self Employment Training
Institute for Rural Industries Honnenahalli, Kolar Dist.**

ABSTRACT SHEET				
	Perticulars			Amount in Rs.
1	Civil Work For the Building			
2	Civil Work Compound wall & Brunt Stone compound wall			
3	Water Supply Work			
4	Electrical work			
5	Miscellaneous and Rounding off			
	TOTAL			

**Proposed Constructions for Canara Bank Self Employment Training Institute for Rural Industries
Honnenahalli, Kolar Dist.**

Building Civil Works

Sl.No.	Item of Work	Unit	Quantity	Rate	Amount
1	Earth work surface excavation for leveling and lowering the ground manually (other than foundation o buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 0.15m excavated surface leveled and neatly dressed as per specifications.				
	Ground Floor	Cum	8.12		
	Earthwork excavation for foundation and basement				
2	Earthwork in excavation for Foundation of Column footing, Wall footing, Stone Masonry, Pillars ,Retaining walls etc., in ordinary/ hard soil, boulders, old foundations etc all as given below including all lead and lift with necessary shoring & transporting surplus earth inside and outside the site as per local municipal byelaws, as directed after retaining the required earth for filling and levelling the site & stacking as directed inside the premises, etc. complete as per design drawing and direction of Architect/Client.For required depth as given below, necessary shoring/ strutting for the excavated sides shall be done to avoid caving in of earth. Dewatering, Backfilling by available earth inside of foundation, site levelling, compaction etc. is also to be included in this item.				
i)	In Soil & Soft Murum 1.42 mtr Depth				
	Ground Floor	Cum	203.33		
ii)	In Hard Murum 0.07 mtr Depth				
	Ground Floor	Cum	10.70		
3	For Depth more than 1.50 m & upto 2.5 M				
i)	In Soil & Soft Murum 0.57 mtr Depth				
	Ground Floor	Cum	64.32		
ii)	In Hard Murum 0.03 mtr Depth				
	Ground Floor	Cum	3.39		
	Filling from Excavated Earth.				
4	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labor complete as per specifications				
	Ground Floor	Cum	277.21		

Proposed Construction of Canara Bank Self Employment
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SI.No.	Item of Work	Unit	Quantity	Rate	Amount
5	Filling earth brought from outside (in in deposited soil and filling sides of foundation upto plinth in layers not exceeding 20cms, in depth compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of labour complete as per specifications.				
	Ground Floor	Cum	45.65		
6	Disposal of Excess Excavated material outside the Site Premise all as directed including Loading, Unloading, Stacking, Spreading etc. complete all as directed by the Architect & Client . The Lead/Distance of site of disposal is as per the location earmarked for the same by Corporation & details of the same to be obtained & ascertained while quoting the rate for the same.				
	Ground Floor	Cum	4.31		
7	Providing and injecting chemical emulsion for Pre-Constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation,top surface of the plinth filling, junction of wall and floor, along the external perimeter of building,expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20 % concentration,including cost of chemical, diluting in water to one percent concentration, labor, HOM of equipments, complete as per specifications. (Plinth area of the building)				
	Ground Floor	Sqm	303.59		
	PCC Work				
8	Providing and laying in position plain cement concrete of mix 1:4:8 using 40mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation, floor bed , including cost of all materials, labor, HOM of machinery, curing complete as per specifications.				
	Ground Floor	Cum	40.51		
9	Providing and laying in position plain cement concrete of mix 1:3:6 using 12mm and down size graded granite metal, machine mixed, concrete, laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials,labor, HOM of machinery, curing complete as per specifications.(For Cill & coping)..				
	Ground Floor	Cum	2.00		
	First Floor	Cum	0.58		

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SI.No.	Item of Work	Unit	Quantity	Rate	Amount
10	Providing and laying in position plain cement concrete of mix 1:4:8 using 40mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation, floor bed , including cost of all materials, labor, HOM of machinery, curing complete as per specifications. (For Flooring)				
	Ground Floor	Cum	43.89		
	RCC Concrete M20 Grade				
11	Providing and laying in position machine batched , machine mixed and machine vibrated design mix Concrete confirming to IS :10262 2009 of specified grade (unless otherwise specified), for reinforced concrete structural elements, as per relevant IS specifications, using 20mm and down size graded granite jelly for RCC works, including admixtures if any in recommended proportions to accelerate, retard setting of concrete, improve workability without impairing strength and durability, laid in layers and well compacted, machine batched, machine mixed, vibrated, curing, including necessary steel/ plywood/ plank centring, shuttering, form works and scaffolding with all lead, lift at level as specified etc. complete as per design, drawing and direction of Architect / Client [excluding the cost of steel reinforcement and fabrication charges] for the following works				
	The Mix Design of various grades of concrete shall be got done by the contractor at his cost from reputed Institutions / Laboratories with approval of the Architect / Trust for further implementation in the site.				
	RCC M 20 Grade Design Mix Concrete to be used for all RCC works				
A	RCC Column Footings				
	Ground Floor	Cum	50.79		
B	RCC Plinth Beams				
	Ground Floor	Cum	15.08		
C	RCC Columns				
	Ground Floor	Cum	19.78		
	First Floor		8.27		
D	RCC Roof Beams				
	Ground Floor	Cum	20.94		
	First Floor	Cum	15.27		
E	RCC Roof Slabs				
	Ground Floor	Cum	26.70		
	First Floor	Cum	17.48		
F	RCC Staircase & landing				
	Ground Floor	Cum	8.39		
	First Floor	Cum	5.81		

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Sl.No.	Item of Work	Unit	Quantity	Rate	Amount
G	RCC Lintels				
	Ground Floor	Cum	3.14		
	First Floor	Cum	2.06		
H	RCC Chejja				
	Ground Floor	Cum	5.46		
	First Floor	Cum	3.15		
	STEEL REINFORCEMENT				
12	Providing TMT steel reinforcement Fe 500 grade for R.C.C work including straightening, cutting, bending, placing in position, lapping and /or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (the rate should include - laps, and wastage and no extra payment is permissible for laps and wastage) cost of materials, labour,HOM of machinery complete as per specifications.				
	Ground Floor	MT	15.64		
	First Floor	MT	6.22		
	MASONRY WORKS				
13	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6,stone hammered dressed in courses not less than 20cms high, bond stones at two m.apart in each course including cost of materials, labor, curing complete as per specifications. (Below the Plinth beam to retain the inside earth)				
	Ground Floor	Cum	98.84		
	First Floor	Cum			
14	Providing and construction 228mm thick (9") burnt brick masonry min Compressive Strength of bricks 3.5N/mm ² with approved quality of locally available bricks with cement mortar 1:6 for basement and superstructure including cost of materials, labour charges,scaffolding, curing complete as per specifications.				
	Ground Floor	Cum	84.93		
	First Floor	Cum	43.11		
15	Construction of partition wall 11.2 cms thick locally available bricks with cement mortar 1:4 including cost of materials, labour charges,caffolding, curing complete as per specifications				
	Ground Floor	Sqm	99.74		
	First Floor	Sqm	80.00		
	PLASTERING				

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Sl.No.	Item of Work	Unit	Quantity	Rate	Amount
16	The rates quoted for all plastering works shall include for providing grooves as directed & at junctions of surface of concrete/masonry [i e at Columns & walls, Beams & walls etc.,] . The rates also include for necessary scaffolding curing etc., complete including necessary all plaster grooves of required width/thickness wherever required/architectural drawings, in line and level including neat finishing, smooth lime rendering /neeru finish, making good of plaster after laying of Electric conduits, Plumbing Lines etc. etc., complete at all heights as per design drawing and direction of Architect/Client				
	Providing 18mm thick Sponge finished (Sand faced) plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required, providing and removing scaffolding, including cost of materials, labor, curing complete as per specifications, including parapet walls. (For External Walls)				
	Ground Floor	Sqm	463.70		
	First Floor	Sqm	270.39		
17	Providing 18 mm thick Smooth finish with Lime rendering plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required, providing and removing scaffolding, including cost of materials, labor, curing complete as per specifications, including parapet walls. (For Internal Walls)				
	Ground Floor	Sqm	928.14		
	First Floor	Sqm	420.69		
18	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:6, to brick masonry for base of dadoing with sand of approved quality, providing and removing scaffolding, including cost of materials, labor, curing complete as per specifications. (Rough Plastering for Toilets)				
	Ground Floor	Sqm	91.38		
	First Floor	Sqm	57.54		
19	Providing 12mm thick cement plaster in single coat with cement mortar 1:3 to ceiling including rounding off corners wherever required smooth Lime rendering,: providing and removing scaffolding, including cost of materials, labor, curing complete as per specifications. (For Roof beams)				
	Ground Floor	Sqm	201.40		
	First Floor	Sqm	142.61		
20	Providing 12mm thick cement plaster in single coat with cement mortar 1:3 to ceiling including rounding off corners wherever required smooth Lime rendering,: providing and removing scaffolding, including cost of materials, labor, curing complete as per specifications. (For Ceiling)				
	Ground Floor	Sqm	293.63		
	First Floor	Sqm	194.96		

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Sl.No.	Item of Work	Unit	Quantity	Rate	Amount
	PAINTING				
21	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including one coat of readymix putty, priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including repairing the surface even and sand paper smooth, cost of materials, labor,complete as per specifications (For Internal Walls)				
	Ground Floor	Sqm	928.14		
	First Floor	Sqm	420.69		
22	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including one coat of readymix putty,priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including repairing the surface even and sand paper smooth, cost of materials, labor,complete as per specifications (For Ceiling)				
	Ground Floor	Sqm	293.63		
	First Floor	Sqm	194.96		
23	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including one coat of readymix putty,priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including repairing the surface even and sand paper smooth, cost of materials, labor,complete as per specifications (For Roof Beams)				
	Ground Floor	Sqm	201.40		
	First Floor	Sqm	142.61		
24	Providing and painting two coats of External Emulsion of ACE paint or approved equivalent make and quality and color and shade over one coat of primer including providing and removing necessary scaffolding and cleaning the paint stains wherever necessary etc.complete including the cost and conveyance of all materials, cost of labor for all items or works.(For External Walls)				
	Ground Floor	Sqm	463.70		
	First Floor	Sqm	270.39		
25	Providing I class Teak wood 125mm X75mm thick frames of doors, with teak wood Double leaf doors shutter with 1 1/2 thick side,bottom,midlerails with 1" thick teak wood panels doors assembled, including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour,machineries completeetc,including Melamine polishing as per the directions of the Architect.				
	Schedule of fittings: Handles: SS Handle Lock: Mortice lock 6 LEVER of Godrej make Lock Hinges: 6 Nos SS Hinges - Heavy Guage Tower Bolts: 2 Nos Stainless Steel				
	Ground Floor	Sqm	9.33		

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SI.No.	Item of Work	Unit	Quantity	Rate	Amount
	First Floor				
	Hard wood Door with Frame - FLUSH DOORS				
26	Providing and fixing of 35 mm thick BWP solid core type Flushdoors including 1mm thick laminate/ selection on both sides covered in 75mm x 27 mm teakwood lipping alround hinged to first class quality & approved Sal wood door frame of 125*75 mm attached to wall/concrete with 3 nos of hold fasts on either side. brushed stainless steel Fittings include one door stopper, 3No. of hinges of 5" length, 2 nos ornamental door handles of 6" length, two nos tower bolts of 6" length, (Dorma make or equivalent) one Mortice lock 6 LEVER of Godrej make with ornamental handles one number rubber bung all of approved makes & selected by Architect/Client , One coat of primer and two coats of oil paint to frame and shutter edges etc. complete all as per the design, drawing of doors and windows and as per direction of Architect/Client.				
	Schedule of fittings: Handles: SS Handle Lock: Mortice lock 6 LEVER of Godrej make Lock Hinges: 6 Nos SS Hinges - Heavy Guage Tower Bolts: 2 Nos Stainless Steel				
	Ground Floor	Sqm	27.82		
	First Floor	Sqm	14.31		
	Aluminium Windows.				
27	Providing and fixing in position Anodized aluminium windows and ventilators as per approved drawings with sliding shutters using Three track window frame section of size 92x31.75mm with 1.3 mm thick, bottom section weight 0.933 kg/m, sides and top sections 1.3mm, thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417kg/m;shutter outer side 40mmx18mm, 1.25mm, thick weight 0.417kg/m, shutter interlock section 40mmx26.7, 1.1mm thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc,				
	and providing and fixing 4.0mm thick plain / textured glass and providing and fixing 4.0mm thick plain / textured glass (Pin headed glass for Ventilators) for shutters fitted with rubber beading aluminium sections anodized 12 to 15 microns, including cutting to required length, joints mitred subdividing the frame tenoned adn rivetted in the assembled frame stiffened with end clips at corners angles etc., along with S S fly proof mesh shutter in the middle track and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal of any other sticky materials (the coating should be cleaned after installation) including applying silicon sealent for the gaps, cost of all materials, fixtures, labour and HOM of machinery complete as per specifications.				

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SI.No.	Item of Work	Unit	Quantity	Rate	Amount
	Ground Floor	Sqm	62.74		
	First Floor	Sqm	43.80		
	ENAMEL PAINTING				
28	Providing and applying painting two coats (excluding priming coat) on new wood surface and/or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour complete as per specifications. As per the direction of Engineer in charge on site. (painting is consider 2 sides with coefficient of 1.3 for the rates)				
	Ground Floor	Sqm	74.29		
	First Floor	Sqm	28.63		
29	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter including cost of materials, labour complete as per specifications. As per the direction of Engineer in charge on site.				
	Ground Floor	Sqm	62.74		
	First Floor	Sqm	43.80		
	FABRICATION WORKS				
30	Providing and fixing M.S. Grill work for windows and ventilators using M.S.flats 25x5mm and M.S.square rods 10x10mm, or combination of M.S flats and square rods as per approved design and drawing including cutting steel sections and welding the same to required pattern with a one coat of red lead primer of approved colour, cost of material, fixtures, labour and HOM machinery complete as per specifications.				
	Ground Floor	Sqm	72.10		
	First Floor	Sqm	43.80		
31	Providing and fixing MS Tube Railing with 50mm dia MS pipe hand rail for the height of 90 cm with vertical supports using 16mm square tubes fixed in CC 1:2:4 using MS flats to concrete / masonry surfae at 60cm center to center with 20mm MS hallow pipes 6 Nos welded to vertical supports horizontally as per design and drawings including Painting, cleaning, cost of labour etc., complete				
	Ground Floor	Sqm	31.08		
	First Floor	Sqm	31.80		
	FLOORING				

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Sl.No.	Item of Work	Unit	Quantity	Rate	Amount
32	Providing and laying flooring of following type of 1st. quality 25mm to 40mm thick Machine Polish Kota stone Flooring , approved make, size, colour Cement Mortar 1 : 3 (1 cement : 3 Coarse sand) with necessary cement slurry (4.4 Kg/Sqm) including pointing the joints with jointing powder (commix) and matching pigment etc., complete including all lead, lift , at all levels and curing as per Flooring pattern Design, Drawing and direction of Architect/Client. Sample to be approved by Architect/Client before laying				
	Ground Floor	Sqm	231.10		
	First Floor	Sqm	167.61		
33	Providing and Skirting for flooring of following type of 1st. quality 25mm to 40mm thick Polish Kota stone Flooring , approved make, size, colour Cement Mortar 1 : 3 (1 cement : 3 Coarse sand) with necessary cement slurry (4.4 Kg/Sqm) including pointing the joints with jointing powder (commix) and matching pigment etc., complete including all lead, lift , at all levels and curing as per Flooring pattern Design, Drawing and direction of Architect/Client. Sample to be approved by Architect/Client before laying				
	Ground Floor	Sqm	23.38		
	First Floor	Sqm	11.78		
	Staircase - Treads/Risers				
34	Flooring with specially selected of uniform thickness of 25mm thick Machine polished Kota slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigmnet to match the shade of the slab, including making Groove for 3 lines, cost of materials, labour, curing, minimum 5 coats of polishing, complete as per specifications.				
	Ground Floor	Sqm	50.53		
	First Floor	Sqm	45.75		
35	Flooring with specially selected of uniform thickness of 25mm thick Machine polished Kota slabs half round bull nosing, complete as per specifications.				
	Ground Floor	Rmt	52.80		
	First Floor	Rmt	52.80		
	GLAZED TILES dado for toilets, pantry counters etc				
36	Providing and laying coloured glazed tiles of approved colour, make and size 300*450 mm or any approved size for dado work laid in C.M . (1 cement : 3 fine sand) 12mm thick with cement paste including waterproofing compound and joints finished neatly with white cement paste pigmented to match the colour of the tiles, including all lead, lift, curing, acid washing etc., complete as per design drawing and direction of Architect. (Basic cost of tiles Rs 376 per Sqm including Vat)				
	Ground Floor	Sqm	91.38		
	First Floor	Sqm	57.54		

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Sl.No.	Item of Work	Unit	Quantity	Rate	Amount
37	Non Skid Ceramic tile flooring (300*300 mm size or as directed (Basic cost of tiles Rs 376 per Sqm)				
	Ground Floor	Sqm	41.02		
	First Floor	Sqm	24.63		
	Granite platform for Hand Wash Basin				
38	Providing and fixing mirror Polished machine cut granite slab of 19 mm thick of approved make,colour,texture,cut into required shape, laid over prepared supports with cement mortar(1:4) around hand wash basin .Bull nosing to exposed sides,with granite facia 75 mm to 100 mm wide / high, with edge chamfer and edge polish, complete as per working drawing and instruction from Architect. (Basic cost of granite Rs 1400 per Sqm). Item includes making & finishing hole for fixing wash basin.				
	Ground Floor	Sqm	1.41		
	First Floor	Sqm	1.41		
	WATER PROOFING ON TERRACE				
39	Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terrace etc, consisting of following application (a) applying and grouting a slurry coat of neat cement using 2.75kg/sqm of cement admixed with proprietary water proofing compound before treatment, (b) Laying cement concrete using broken bricks bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding of junctions of walls and slabs, (c) After two days of proper curing, applying a second coat of cement slurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300X300mm square (e) The whole terrace so finished st				
	Ground Floor	Sqm	77.14		
	First Floor	Sqm	216.02		
	Total				
	PART OF MISCELLANEOUS				

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Sl.No.	Item of Work	Unit	Quantity	Rate	Amount
1	Providing and fixing overhead "sintex" make or ISI make equivalent brand PVC tank of required capacity & Nos. including all necessary provisions for plumbing works, erection in required position, Inlet/Outlet connection etc. complete all as per design, drawing and as per the direction of Architect/Client.				
	2000 litres	Ltrs	6000.00		
	Total of Miscellaneous				
	Total of Building & Miscellaneous				

SI.No.	Item of Work	Unit	Quantity	Rate	Amount
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Compound wall,Burnt stone compound wall

SI.No.	Item of Work	Unit	Quantity	Rate	Amount
	Earthwork excavation for foundation and basement				
1	Earthwork in excavation for Foundation of Column footing, Wall footing, Stone Masonry, Pillars ,Retaining walls etc., in ordinary/hard soil, boulders, old foundations etc all as given below including all lead and lift with necessary shoring & transporting surplus earth inside and outside the site as per local municipal byelaws, as directed after retaining the required earth for filling and levelling the site & stacking as directed inside the premises, etc. complete as per design drawing and direction of Architect/Client.For required depth as given below, necessary shoring/ strutting for the excavated sides shall be done to avoid caving in of earth. Dewatering, Backfilling by available earth inside of foundation, site levelling, compaction etc. is also to be included in this item.				
	i) In Soil & Soft Murum 0.86 mtr Depth	Cum	1099.20		
	In Hard Murum 0.86 mtr Depth	Cum	5.78		
	Filling from Excavated Earth.				
2	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labor complete as per specifications				
		Cum	81.45		
3	Disposal of Excess Excavated material outside the Site Premise all as directed including Loading, Unloading, Stacking, Spreading etc. complete all as directed by the Architect & Client . The Lead/Distance of site of disposal is as per the location earmarked for the same by Corporation & details of the same to be obtained & ascertained while quoting the rate for the same.				
		Cum	107.50		
	PCC Work				
4	Providing and laying in position plain cement concrete of mix 1:4:8 using 40mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation, floor bed , including cost of all materials, labor, HOM of machinery, curing complete as per specifications.				
		Cum	20.03		
	MASONRY WORKS				

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Sl.No.	Item of Work	Unit	Quantity	Rate	Amount
5	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labor, curing complete as per specifications. (Below the Plinth beam to retain the inside earth)				
		Cum	25.13		
6	Providing and construction 228mm thick (8") Solid Block masonry with approved quality of locally available bricks with cement mortar 1:6 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.				
		Cum	99.47		
	PLASTERING				
7	The rates quoted for all plastering works shall include for providing grooves as directed & at junctions of surface of concrete/masonry [i e at Columns & walls, Beams & walls etc.,] . The rates also include for necessary scaffolding curing etc., complete including necessary all plaster grooves of required width/thickness wherever required/architectural drawings, in line and level including neat finishing, smooth lime rendering /neeru finish, making good of plaster after laying of Electric conduits, Plumbing Lines etc. etc., complete at all heights as per design drawing and direction of Architect/Client				
	Providing 18mm thick Sponge finished (Sand faced) plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required, providing and removing scaffolding, including cost of materials, labor, curing complete as per specifications, including parapet walls. (For External Walls)				
		Sqm	101.53		
	PAINTING				
8	Providing and painting two coats of External Emulsion of ACE paint or approved equivalent make and quality and color and shade over one coat of primer including providing and removing necessary scaffolding and cleaning the paint stains wherever necessary etc. complete including the cost and conveyance of all materials, cost of labor for all items or works. (For External Walls)				
		Sqm	101.53		
	FABRICATION WORKS				
9	Providing and fixing M.S. Grill work for windows and ventilators using M.S. flats 25x5mm and M.S. square rods 10x10mm, or combination of M.S flats and square rods as per approved design and drawing including cutting steel sections and welding the same to required pattern with a one coat of red lead primer of approved colour, cost of material, fixtures, labour and HOM machinery complete as per specifications.				
		Sqm	9.73		
10	Providing and fixing Size stone Slab size 2'X8' with 100mm thick including cost of materials, labor, complete as per specifications				

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SI.No.	Item of Work	Unit	Quantity	Rate	Amount
		Sqm	603.00		
11	Providing raised and cut pointing to Stone slab with cement mortar 1:3, 20mm, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specification.				
		Sqm	329.24		
	Total				

Sl.No.	Item of Work	Unit	Quantity	Rate	Amount
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Water Supply and Sanitary/Plumbing Works

SL.NO	DESCRIPTION	Unit	Quantity	Rate	Amount
A	SANITARY				
	SANITARY WARES & FITTINGS				
	NOTE: FOR ALL ITEMS OF SANITARY WARES BASIC RATES TO BE MENTIONED BY THE CONTRACTOR.				
1	IWC				
	Supply. Fixing. Testing and commissioning of approved colour vitreous china Orissa type W.C Pan 580 mm size with 'P' or 'S' trap, PVC flush tank of slimline or equivalent (10 Ltr. capacity) and internal fittings like Inlet pipe, Stop Tap, Brackets, flush pipe, Overflow pipe etc., 15mm dia cold water connection pipe, 15mm dia c.p angle stop cock with wall flange, Vent pipe upto outside face of the wall, etc. complete. the work shall include cutting and making good the walls and floors, painting of exposed pipe etc. complete all as per the direction of Architect/Client.				
	Ground Floor	No	4.00		
	First Floor	No	2.00		
2	EWC (Hindware)				
	Supply, fixing, testing & commissioning of approved colour vitreous china E.W.C. with 'P' or 'S' trap with flush tank of slimline or equivalent (10 Ltr. capacity) Hindware Enigma Series and internal fittings, solid plastic seat & lid with C.P. hinges and rubber buffers, 40mm Inlet pipe with wall flange, Vent pipe upto outside face of the wall, etc. complete/ the work shall include cutting and making good the walls and floors, painting of exposed pipe etc. complete all as per the direction of the Architect/Client. .				
	Ground Floor	No	2.00		
	First Floor	No	1.00		
3	WASH BASIN				
	Providing, fixing, testing & commissioning of approved colour vitreous china Rectangular wash basin Hindware Engima Series installed with brackets, 32mm dia c.p waste coupling, 15mm CP coated Pillar cock, 15mm dia inlet pipes, Rubber Plugs, waste pipe etc. The work shall include cutting & making the good the walls & floors, painting the bracket, clamp etc. complete.(Size of Basin: 550*400 mm)				
	Ground Floor	No	5.00		
	First Floor	No	3.00		

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SI.No.	Item of Work	Unit	Quantity	Rate	Amount
4	Providing and fixing PVC 'P' or 'S' floor trap self cleansing design with vent arm jointing with solvent cement followed by application of leak proof adhesive like FRP paste complete including cutting and making good the walls and floors.				
	Ground Floor				
	First Floor				
a	a. 110mm dia inlet 75mm dia outlet/multifloor traps for receiving inlet 110mm dia, 50mm dia and 40mm dia.				
	Ground Floor	Nos	11.00		
	First Floor	Nos			
b	Providing and fixing 75 mm PVC Nahani Trap with PVC .Grating, bend, piece of PVC Pipe upto outside face of the wall etc. complete all as per the direction of Architect/Client.				
	Ground Floor	No	11.00		
	First Floor	No	6.00		
c	Providing and fixing 125mm dia s.s.grating over floor traps .(Make ; Sona)				
	Ground Floor	No	6.00		
	First Floor	No	3.00		
SANITARY PIPES/EXTERNAL DRAINAGE					
5	PVC SOIL PIPES				
	Providing and fixing 110 mm dia Soil/Vent pipes using 6 kg/cm2 pressure PVC pipes of Finolex/ Supreme brand ISI make, with necessary specials/ fixtures and fittings such as bends, tees, single and double junction, slotted vent Offsets on wall or in the ground, including jointing with adhesive resin/solvent as dicted, fixing the pipe on the walls by means of nail drive through lugs in wooden holder battens fixed with concrete block/m.s.brackets & fasteners etc. complete all as per the direction of Architect/Client.				
	Ground Floor	Rmt	51.00		
	First Floor	Rmt	23.00		
6	PVC WASTE PIPES				
	Providing and fixing 75 mm dia Waste/Vent pipes using 4.5 kg/cm2 pressure PVC pipes of Finolex/ Supreme brand ISI make, with necessary fixtures and fittings such as bends, tees, single and double junction, slotted vent Offsets on wall or in the ground, including jointing with adhesive resin/solvent as dicted, fixing the pipe on the walls by means of nail drive through lugs in wooden holder battens fixed with concrete block/m.s.brackets & Fasteners etc. complete all as per the direction of Architect/Client.				
	Ground Floor	Rmt.	61.00		
	First Floor	Rmt.	26.00		

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SI.No.	Item of Work	Unit	Quantity	Rate	Amount
7	PVC RAIN WATER PIPES				
	Providing and fixing 100 mm dia Rain Water Pipes using 4.5 kg/cm ² pressure PVC pipes of Finolex/ Supreme brand ISI make, with lugs including rain water receiving recess, with PVC gratings, necessary fittings such as bends, Offsets, Shoe etc. and jointing with adhesive resin/ solvent including fixing the pipe on the walls by means of nails, drive through lugs in wooden holder battens fixed with concrete block/m.s.brackets with fasteners etc. complete all as per the direction of Architect/Client.				
	Ground Floor	Rmt	55.00		
	First Floor	Rmt			
8	EXCAVATION FOR PIPES LAYING				
	Excavation in all types of soil for laying of pipes of different dia including forming bottom surface to required level, refilling selected excavated earth around the pipe in layers 150mm thick, watering, consolidating and disposing off the surplus earth with in the site as directed by the site engineer with a lead of 300M etc., complete.Depth upto 3.0 M.				
	Ground Floor	Cum	48.20		
	First Floor	Cum			
9	STONE WARES				
	Supplying, fixing and testing salt glazed stoneware gully trap with rebated top square bodies 150mmx150mm, CI grating 100mm dia outlet set in 75mm thick PCC 1:4:8 bed, Chamber of size 230*300 mm or as directed with 115mm thick brick wall in CM 1:3, internal and external plastering 12mm thick in CM 1:6,supply and fixing 300mmx300mm size CI frame and cover (Medium), jointing to drain in CM 1:1, excavating, refilling and ramming ect.,complete.				
	Ground Floor	No	13.00		
	First Floor	No	6.00		
10	STONE WARES				
	Supplying, fixing and testing salt glazed stoneware Sewer trap with rebated top square bodies, Standard size, CI grating 100mm dia outlet set in 75mm thick PCC 1:4:8 bed, 450*900 size chamber with 115mm thick brick wall in CM 1:3, internal and external plastering 12mm thick in CM 1:6,supply and fixing 450*900 mm size CI frame and cover (Medium), jointing to drain in CM 1:1, excavating, refilling and ramming ect.,complete.				
	Ground Floor	No	9.00		
	First Floor	No	6.00		
11	SANITARY CHAMBERS				

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SI.No.	Item of Work	Unit	Quantity	Rate	Amount
	Construction of inspection chamber with 230mm best quality approved Table Moulded bricks in CM 1:4 over a bed of 100mm thick PCC1:4:8, internal walls plastered in CM 1:3 and external wall with CM 1:6 with sponge finish, benching and channelling in PCC1:4:8. Supplying and fixing MS angle of 1"x1"x6mm size frame and 2.5" RCC cover of size 450*600 mm, as per the detailed drawing. The quoted rate shall also include necessary excavation. Internal size of the chamber is 450x600mm maximum depth not exceeding 4 feet. (all per the direction of Architect/Client)				
	Ground Floor	Nos	6.00		
12	Providing and laying Concrete NP2 class pipes or Salt Glazed Stoneware (SWG) pipe with fittings such as bends, tees, single/double junction etc. jointing with CM 1:2, necessary excavation, back filling, proper line, level & slope etc. complete all as per the direction of Architect/Client.				
a)	150 mm dia RCC NP2 Pipe				
	Ground Floor	Rmt	52.00		
	SUB TOTAL OF SANITARY				
B	WATER SUPPLY/PLUMBING WORK				
1	WATER SUPPLY GI PIPES				
	Providing & fixing of G.I pipes of B Class including all G I Fittings like tees, elbows, couplers, reducer tees, reducer elbows, nipples threading and jointing using the pipes to fittings using white lead, providing M.S supports grouted in the wall with cpvc. clamps and making good the walls and floors etc .complete as per design drawing and direction .The quoted rate includes necessary groove cutting and finishing same, painting of exposed pipes, necessary excavation if required etc.complete all as per the direction of Architect/Client. .				
1a	Same as above but of GI B class Pipe				
	a. 20mm dia.				
	Ground Floor	Mtr.	43.00		
	First Floor	Mtr.	22.00		
	b. 25mm dia.				
	Ground Floor	Mtr.	28.00		
	First Floor	Mtr.	13.00		
	c. 32mm dia.				
	Ground Floor	Mtr.	17.00		
	First Floor	Mtr.	8.00		
2	Extra rate for Concealing the pipe including wrapping the pipe with Hessin cloth etc. complete all as per the direction of Architect/Cleing.				
	a. 20mm dia.				
	Ground Floor	Mtr.	43.00		
	First Floor	Mtr.	22.00		

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SI.No.	Item of Work	Unit	Quantity	Rate	Amount
	b. 25mm dia.				
	Ground Floor	Mtr.	28.00		
	First Floor	Mtr.	13.00		
3	providing and fixing Gun metal valve conforming to IS specification of approved make as per directions including all lead and lift etc complete				
	a. 20mm dia.				
	Ground Floor	Nos	3.00		
	First Floor	Nos	1.00		
	b. 25mm dia.				
	Ground Floor	Nos	3.00		
	First Floor	Nos	1.00		
	c. 32mm dia.				
	Ground Floor	Nos	4.00		
	First Floor	Nos	2.00		
4	Supply & fixing 15mm dia. C.P.brass bib cock with c.p. wall flange etc.including cutting and making good the walls or floors all as per the direction of Architect/Client.				
	Ground Floor	Nos.	10.00		
	First Floor	Nos.	6.00		
5	Supply and fixing 15 mm dia c.p.brass concealed stop cock with c.p.wall flange etc. including cutting and making good the walls or floors all as per the direction of Architect/Client.				
	Ground Floor	Nos.	11.00		
	First Floor	Nos.	6.00		
6	Providing and fixing 100 mm dia Chromium plated brass shower rose connected to 15 mm dia Supply line & Hot & Cold Mixer unit including necessary bend, socket, etc. all as per the direction of ARchitect/Cleint.				
	Ground Floor	Nos.	5.00		
	First Floor	Nos.	3.00		
7	Providing and fixing Ball Cock / valve medium type with PVC Float including necessary sockets, fittings etc and tested as per the direction of Architect/Client (15 mm dia)				
	Ground Floor	Nos	6.00		
	First Floor	Nos	3.00		
8	Providing and fixing Wall Mixer unit of C.P. and of standard make with C.P. shower with Hot and Cold arrangement with concealed pipe lining to shower and necessary fittings etc. complete				
	Ground Floor	No	5.00		
	First Floor	No	3.00		

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Sl.No.	Item of Work	Unit	Quantity	Rate	Amount
9	Providing and fixing Decorative Mirror with bevelled edge 0.30mtr X 0.45mtr				
	Ground Floor	No	6.00		
	First Floor	No	3.00		
10	Providing and fixing Cp coated Towel Rail				
	Ground Floor	No	5.00		
	First Floor	No	3.00		
	Providing and fixing Soap Box				
	Ground Floor	No	5.00		
	First Floor	No	3.00		
	Providing and fixing Soap Box				
	Ground Floor	No	5.00		
	Providing and fixing Coat hooks	No	3.00		
	SUB TOTAL OF WATER SUPPLY/PLUMBING				
	SUMMARY OF WORKS				
A	SANITARY				
B	WATER SUPPLY/PLUMBING				
	TOTAL OF WATER SUPPLY AND SANITARY WORKS				

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SI.No.	Item of Work	Unit	Quantity	Rate	Amount
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INTERNAL ELECTRIFICATION WORKS

SI No	Description of work item	Unit	Qty	Rate	Amount
1	Supplying 2mm thick heavy gauge PVC conduit pipe with suitable size bends, metal / PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using wires and unused ways of junction boxes and pipe ends should be covered using PVC and end enclosures run with 18G GI wire wherever necessary				
1a	20mm size 2mm thick	Mtr	530		
1b	25mm size 2mm thick	Mtr	320		
2	Grove cutting in the wall supplying 2mm thick heavy gauge PVC conduit pipe with bends, metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the grick level and run with 18G GI fish wire run through out the conduit wherever necessary				
2a	20mm size 2mm thick	Mtr	122		
2b	25mm size 2mm thick	Mtr	90		
	point wiring				
3	Supply and wiring adopting loop system in existing PVC Conduit/Casing Capping using Copper PVC insulated multi strand 2 x 1.5sqmm copper wire without switch. The other end of the wire will be terminated without sufficient loose length in a wood/PVC round block, complete for each outlet				
a	short Point upto 3mtr from tapping point to out let via switch box	Pt.	26		
b	Medium Point above 3mtr upto 6mtr from tapping point to out let via switch box	Pt.	95		
c	Long Point above 6 Mtrs upto 10 Mtrs. from tapping point to out let via switch box	Pt.	122		
d	Two outlet in a row above 3mtrs up to 6mtrs from tapping point to out let via switches	Pt.	2		
4	Supply and fixing of modular switch/ Socket/ Stepped electronic fan regulator/ dimmer/ telephone socket... etc on existing modular switch plate				
a	6A One way Switch	each	256		
b	6/16A universal socket	each	24		
c	32A DP Switch	each	24		
d	6A bell push	each	2		
e	Stepped fan regulator	each	35		
f	TV/Telephone Sockets with accessories	each	8		

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Sl.No.	Item of Work	Unit	Quantity	Rate	Amount
	Two way control				
5	Supply and fixing of 2 Nos 6A 250V 2 way switches flush type using a gang box and wiring as required	Pt.	2		
	Lighting Wall Plug				
6	Supply and fixing of 6A flush type / projected type socket for three way plug with 6A flush type SP switch in a gang box flush mounted type or 4 mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required	No.	69		
7	Supplying and fixing MS metal box wit round hook	No.	35		
8	Supplying and flush mounting powder quoted metal box suitable for mounting modular switch plates . The box should be firmly flush mounted after due groove cuuting in bricks/stone/C.C.wall				
a	1-3way	Each	125		
b	4-5way	Each	23		
c	6-way	Each	19		
d	8-way	Each	1		
e	10-12way	Each	2		
f	1-3way box for data socket	Each	20		
g	6-way box for UPS sockets /switchs	Each	20		
9	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nof machine screws, bolts nuts etc..., complete on the existing metal/PVC box				
a	1-3 module	Each	125		
b	4 module	Each	23		
c	6 module	Each	19		
d	8 module	Each	1		
e	10 module	Each	1		
f	12 module	Each	1		
g	QUADRA data socket with plate	Each	20		
h	6-way box for UPS sockets /switchs	Each	20		
10	Supply and laying of 650 / 1100 V grade following sizes copper wires in the existing conduits				
a	1.5 sqmm (3/22) (Earth wire)	Mtr	730		
b	2.5 sqmm (3/20) (Ltg Ckts)	Mtr	1530		
c	4.0 sqmm (7/20) (Power Ckts)	Mtr	700		
d	6 sqmm (7/18) (Mains MB to DB)	Mtr	0		

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Sl.No.	Item of Work	Unit	Quantity	Rate	Amount
e	10 sqmm (7/18) (Mains MB to DB)	Mtr	0		
f	CAT-6 cable for work stations	Mtr	900		
11	Supplying tinned copper lugs and soldering using necessary soldering materials or crimping and wiring to terminal point for copper wires for 1.5 sqmm, 2.5 sqmm, 6sqmm				
i	For 1.5sqmm	No.	0		
ii	For 2.5sqmm	No.	150		
iii	For 6sqmm	No.	98		
12	Supply and fixing of one No. 230V buzzer and flush type bell push with gang box using necessaary NF screws	No	2		
13	Supply box type fluorescent tube light fitting of 4'-36/40 watts fluorescent tube fitting,made out of M.S. sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast,starter,locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 Volts AC Supply including fluorescent tube. for common areas				
13a	1X4' 36 watts group A	No	16		
	PWD Electrical SR C-3,P-16,3 -1(a.)				
13b	2X4' 36 watts group A	No	30		
	PWD Electrical SR C-3,P-16,3-ii(a)				
14	Supplying CFL mirror/wall mount light fitting with 2x11w CFL lamp,choke,Perspex cover and completely wired for use on 230v 250V 50Hz AC supply.	No	40		
15	Supplying of Surface/wall recessed mount down light luminary made out of single piece power coated CRCA sheet steel accommodating all electrical accessories like VPIT 18W copper ballast suitable to operate on 230v 50Hz AC supply with 18Watts PLL-compact fluorescent lamp,pre-wired up to terminal block with super aluminium textured reflector & P5 paralite louverers with spring loaded dropped glass complete.				
15a	1x18Watts for geneareal areas	No	0		
15b	2x18Watts for bed side lighting	No	27		
	MCB DB:				
16	Supply and fixing of regular MCB distribution board on wall flush mounting using required clamps bolts nuts etc., with povision for fixing suitable capacity MCBs single door with powder coated painting complete approved make				
a	TPN 4-way,	No	4		

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SI.No.	Item of Work	Unit	Quantity	Rate	Amount
	PWD Electrical SR C-5,P-36, lb-1(a)				
b	6-32A 10 KA SP MCB.	No	48		
c	SPN 4-way DB	No	3		
17	Supply, fixing and wiring earth leakage miniature circuit breaker 415V 50 Hz with 10 KA short circuit withstanding capacity upto 100mA sensitivity on existing wood/panel board				
17a	63A 4 pole for DBs I/C	No	3		
17b	25A 2 pole for Guest House	No	4		
18	Fixing all types and all capacities CFL fittings indoor on the wall/ceiling rafters/ girders using bakelite holders and adopters of approved make with 23/0.0076" twin twistee PVC insulated wires, required nos of round blocks and clamps				
		No	97		
19	Supplying 48" size capacitor type celing fan complete with down rod blades, shakle, regulator canopies etc., for operation on 230 V , 50 cycles, single phase AC supply conforming to ISS-374-1979 and double ball bearing system and as per technical data approved (Almanord unique ISI, Havells, Crompton, Khaitan, Bajaj, Usha, make)	No	35		
20	Fixing a celing fan of all capacities and all types with necessary clamps and S hook made out of 15 mm dia Ms rod, with 5 amps ceiling rose of approved quality with necessary length of 23/0.0076 inch PVC insulated twin twisted copper wire and wiring comletely.	No	35		
21	Supplying 300 mm size exhaust fan with bracket, blades complete for heavy duty of approved make like crompton, almanord, Anchor unique ISI.	No	7		
22	Fixing one exhaust fan after making a suitable nitch in the wall and finishing with cement mortar and colouring to match the exisiting wall or brackets with bolts and nuts and a 5 amps, ceiling rose with sufficient length of 23/0.0076 inch PVC insulated twin core wire of approved make with wire mesh and wooden frame if required.	No	7		
23	Meter Board as per BESCO norms	No	6		
	The MB shall be suitable for handling 20kw power				
	Grand total				

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Sl.No.	Item of Work	Unit	Quantity	Rate	Amount
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EXTERNAL ELECTRIFICATION WORKS

SI No	Description of work item	Unit	Qty	Rate	Amount
1	Supply and laying of LTUG cable having aluminium conductor PVC insulated sheathed galvanized steel wire tap armoured cable with PVC outer sheathing 1.1 KV class				
	3.5core x 70qmm(Subject to Substation location)	Mtr	60		
	4C 16sqmm	Mtr	120		
2	Digging of trench of 0.6 Mtr deep x 0.5 Mtr wide and consolidating after necessary works	Mtr	40		
3	Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1KV class	No	10		
4	Supply and laying of the following pipes for road crossing				
a	Supply and laying / fixing of 50 mm dia class A GI pipe on poles / walls / drain / roads crossing with necessary clamping arrangements for UG Cable 1.1 KV class / TV / Telephone cables	Mtr	24		
5	EARTHING:				
	Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc., using 40m dia 2.9mm thick 2.5 mtr long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode. The funnel should be enclosed in a CC chamber of 400x400x400mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia and the electrode should be covered 150mm around with alternate layers of salt and charcoal from the bottom of the CC chamber. The connection from the electrode is to be established through GI strip using GI bolts and nuts.	No	5		
6	Supply and running of 8 SWG GI wire for grounding using with necessary suitable size clamps bolt, and washers including inter connectors	Mtr	150		
	TOTAL AMOUNT FOR PART-II				
	GRAND TOTAL FOR PART-1 & PART-2				