

Name of Work: Construction of Girls hostel At Gujarat University , Ahmedabad.

Schedule B

Sr.No	Item Description	Unit	Total Qty	Rate	Total Amount
1	Clearing and grubbing road land including uprooting rank vegetation grass bushes, shrubs, sapling and trees girth up to 300 mm removal of stumps of trees cut earlier and disposal of unserviceable materials by mechanical means in area of light jungle.	Sqm	2,805.00	8.24	23,122.81
2	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. (B) Dense or Hard soil	Cum	2,391.00	256.12	6,12,372.88
3	Excavation for Foundation from 1.5 m. upto 3.0m. depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead. (B) Dense or Hard soil	Cum	801.25	273.54	2,19,172.56
4	Filling available excavated earth (excluding rock) in trenches. plinth, sides of foundations etc. in layers not exceeding 20 cm. in depth consolidating each disposed layer by ramming and watering.	Cum	1,875.34	130.39	2,44,527.42
5	Filling in plinth with sand under floors including watering, ramming, consolidating and dressing etc. complete.	Cum	160.37	460.19	73,800.99
6	Filling in foundation and plinth with murrum or selected soil in layers of 20cm. thickness including watering, ramming and consolidating etc. complete. all complete as per drawings, specifications and direction of Engineer-in-charge. Filling material shall approve by Engineer-in-charge / consultant before start of the work.	Cum	1,420.66	289.06	4,10,658.89
7	Carring out plinth treatment to post construction by spraying chemical solution for termite control treatment including labour and material consistment with I.S.I specification. Using Chlordene and Chiorpurfiles 20 EC. As Per 6131_paret-II Consentration Weight one percent is recommended i.e one litre 20 EC chemical emulsion with 19 liter give 1 % concentration inclusive of one litre chemical emulsion appication at the rate of 5 Litre chemical / Sqm of surface is recommended as per I.S	Sqm	1,075.37	105.95	1,13,934.38
8	Light weight Filling :- Providing material and labour for laying Cinder filling for sunk filling grade including compacting, finishing, curing etc. complete as directed by Engineer-in-charge.	Cumt.	116.00	1,537.60	1,78,361.46
9	Providing and laying cement concrete 1:4:8 (1- Cement : 4- coarse sand : 8- hand broken stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	Cum	124.00	2,680.21	3,32,345.63
10	Providing and laying cement concrete 1:3:6 (1- Cement : 3- Coarse sand : 6- Graded brick bat aggregate 40mm normal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	Cum	237.00	2,986.00	7,07,683.04
11	Providing and laying in position Ready Mixed M- 300 grade concrete for reinforced cement concere work , using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained) (Cement level 475 kg) - up to Plinth level	Cum	895.00	5,094.10	45,59,216.46
12	Providing and laying in position Ready Mixed M- 250 grade concrete for reinforced cement concere work , using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained) (Cement level 450 kg) - up to Plinth level	Cum	374.00	4,902.10	18,33,383.75

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13	Providing and laying in position Ready Mixed M- 300 grade concrete for reinforced cement concrete work , using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained) (Cement level 475 kg) - Above plinth for all floor.	Cum	955.00	5,136.70	49,05,547.65
14	Providing and laying in position Ready Mixed M- 250 grade concrete for reinforced cement concrete work , using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained) (Cement level 450 kg) - ABOVE PLINTH LEVEL	Cum	107.00	4,918.73	5,26,303.86
15	Supplying and placing in position TMT Steel Fe 500D Bars Reinforcement of Approved make (as approved by Consultant/Engineer-in-charge) for RCC work including transporting, cutting & binding to required shapes and lengths as per Drawings and details, for all heights and depths etc. complete as per specification, directions and drawings.(Supports,Chairs and laps are included in the cost and no separate measurement qty will be paid for the same)	Kg	2,52,584.00	77.41	1,95,53,659.02
16	Providing material and labour for wet drilling accurate and clean holes of specified diameter in RCC walls, slabs, beam or any other RCC member without vibration by core cutting (diamond drilling) holes up to 200 mm dia & upto 300 mm thickness machine including scaffolding, safety majors, disposing the debris, cleaning for all floors, all height etc compete as directed by engineer in charge. Measurement shall be taken for the depth of holes in running meter for specified diameter. Holes shall made by authorised approved agency.	Nos.	37.00	2,090.70	77,355.90
17	Providing formwork of ordinary timber planking so as to give a rough finish including centering, shuttering and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4.00 mt and removal of the same for in situ reinforced concrete and plain concrete work in foundation footing base of columns, mass concrete,slabs, beams, columns, landing, steps,cantilevers,brackets,etc. up to plinth level.	Sqm	5,228.00	222.71	11,64,319.34
18	Providing formwork of ordinary timber planking so as to give a rough finish including centering, shuttering and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4.00 mt and removal of the same for in situ reinforced concrete and plain concrete work in foundation footing base of columns, mass concrete,slabs, beams, columns, landing, steps,cantilevers,brackets,etc. - above plinth level	Sqm	6,542.00	249.75	16,33,860.79
19	Extra for additional height of propping and centering where the height of propping and centering exceeds 4 .O M between supporting floor to ceiling including temporary brick or stone pillars for supporting as required. (i)Height more than 10.0 M.and upto 11.0 M.	Sqm	24.00	969.38	23,265.07
20	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:6 (1- Cement : 6 -fine sand)(C) Fly Ash Bricks	Cum	216.00	4,789.52	10,34,536.54
21	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in Super structure in Cement Mortar 1:6 (1- Cement : 6 -fine sand)(C) Fly Ash Bricks for all floor,all height.	Cum	609.00	5,119.49	31,17,768.19

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22	(i) Half brick masonry in common burnt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:4 (1-Cement : 4 -coarse sand) in foundation and plinth (C) Fly Ash Bricks	Sqm	788.00	679.93	5,35,786.42
23	Providing 10mm thick ceiling cement plaster in single coat on fair side of brick / concrete wall for interior plastering finished even and smooth in C M 1:4 (1 cement 4 coarse sand) including floating coat of neat cement including finishing etc complete. for all floors, any heights, all depths, any levels (in foundation and superstructure) and all places including curing, scaffolding, racking / flush jointing for all height and all lead , as per drawing / specification and approved by architect and as directed by Engineer Incharge.	Sqm	2,319.00	216.90	5,02,989.99
24	Providing 15 mm cement plaster in single coat on brick/concrete wall for interior plastering finished even and smooth in cement mortar 1:4 (1 cement : 4 coarse sand) including mala plaster of neat cement including finishing etc complete. for all floors, any heights, all depths, any levels (in foundation and superstructure) and all places including curing, scaffolding, racking / flush jointing etc complete, as per drawing / specification and approved by architect and as directed by Engineer Incharge, for all height and all lead.	Sqm	3,465.00	185.24	6,41,842.81
25	Providing 20 mm thick double coat mala cement plaster on interior brick / concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement : 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement : 2 Coarse sand) finished with trowel including scaffolding curing etc. for all height and all lead.	Sqm	3,149.00	304.55	9,59,019.51
26	Providing and applying Wall painting (three coats) with plastic emulsion paint and two coats of putty & two coats of primer of approved brand and manufacture on wall surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand paper smooth on new work to give an even shade. for all height	Sqm	3,467.00	153.54	5,32,323.87
27	Finishing wall with weather proof low velocity exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials. etc complete for all height and lead.	Sqm	2,680.00	89.58	2,40,066.09
28	Providing and applying exterior texture paint (Flat texture/synthetic paint) of approved make on any height. The rate includes applying one brush coats of PRIMER, On prepared surface final required coat of Semi gloss Medium Textured Flexible coating with crack bridging up to 2.6 MM and VOC content less than 100g/l, required scaffolding, jhulaa, tools and labor. The texture material shall be Pure Acrylic, Environment Friendly, Protect against Salt and Carbon dioxide, with excellent anti-Carbonation, UV Resistance, Moisture vapour transmission coating with third party test certificate applied up to 140 Microns DFT.	Sqm	952.00	755.48	7,19,216.96
29	Terra cotta tiles on Outer Wall Providing and applying Terra cotta tiles (220 x 67 x 20mm) incorporating with making grooves on base coat of 20 mm thick smooth mala plaster Color and shade as approved by Architect/ Engineer in charge for all height.	Sqm	384.00	2,250.28	8,64,107.52
30	Providing and fixing Anodized Aluminum louvers System (Fixed), of 100 mm x 25 mm thick size louver member having weight of min 1.0 to 1.2 kg/m, horizontal /vertical supporting sections as per the required sizes to hold louvers system of approved make. Aluminum Section shall be Anodized , confirming to IS 733 and IS 1285, fixed with rawl plug and screws or fixing clips , or with expansion hold fasteners including necessary filling up of gaps at junctions, at top ,bottom and sides with required PVC/ Neoprene felt approved make etc. Aluminum sections shall be smooth, rust free, straight. jointed mechanically wherever required including cleat angles aluminum snap beading etc. required to complete the job as per architectural drawings and the direction of Engineer in Charge. The shop drawing shall be submitted for approval.	Sqm	542.00	6,873.76	37,25,576.29
31	Providing and fixing rolling shutters of approved make made of 80 mm wide M.S. laths inter-locked together through their entire length and jointed together at the ends by end locks mounted on specially designed pipe shaft with bracket plates, guide channels and arrangements for inside and outside locking with push-pull operation including the cost of hood cover and spring etc. complete. (A) Shutters having width below 3.5 M	Sqm	23.00	3,503.41	80,578.37

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Sr.No	Item Description	Unit	Total Qty	Rate	Total Amount
32	Providing and fixing aluminium Door work(Single Shutter OR Double Shutter) of Anodized aluminium section frame built up standard tubular and other section of approved make confirming to IS 733 and IS 1285 , member size with shutters of horizontal member , vertical member Confirming to IS733 and IS 1285 fixed with rawl plug abd screws or fixing clips or with expansion hold fasteners including necessary filling up of gaps at junctions at top bottom and sides with required PVC/ Neoprene felt, 8/12 mm toughened glass of approved make etc. Aluminum sections shall be smooth, rust free, straight.mitred and jointed mechanically wherever required including Door Hardware such as cleat angles aluminum snap beading for glazing /paneling, CP Brass/ Stainless steel screws, Stoppers, heavy duty floor hing, S.S. Hinges, aldop , Locking system, heavy duty Floor Springs, Pivot and fixtures and transparent silicon sealant glass fixing to frame as per details all complete as per architectural drawings and the direction of Engineer in Charge. rate incl. all type of aluminium secions for doors as per the detail Architectural dwg.	Sqm	16.00	6,060.71	96,971.31
33	Providing & fixing 100 x 45mm hollow WPC with 32mm MPD-12 Door having 4mm thick upper Outer wall and other internal walls of 3mm each along with many small hovers for maintaining the overall strength of the door frame. Frame having 2 holes in the middle to accommodate Pathframe make PPCP L Corner to secure the joinery of 3 parts of the frame. The Frame having rebate of 37mm with Outer wall having thickness of 8mm with many small hovers, overall thickness of 33mm for fixing the door. The frame having 9mm deep groove for Front Architrave Fixing. The frame shall be finished with oil paint. The door frame having material density of 990kg/m3(IS 2380 – part -3), Shore hardness (D) of 62 (ASTM D2240), Moisture content less than 0.01% and Water Absorption of less than equal to 0.2% (IS 2380 –part– 16), Flammability results of the frame matches with Vo[UL-94] ,IGBC Green Pro certificate , 30, 60, 90 and 120 mins fire resistance- no smoke, stability , integrity and thermal insulation. (ASTM E 119, BS: 476- part 20,22 and IS 3614-Part2) With 45 x 18mm hollow Front Architrave having thickness of 10mm finished with oil paint , with width of 45mm and the insert part of 18mm to be inserted in the groove (9mm deep) of 100 x 45mm frame and 30 x 12mm hollow Rear Architrave having width of 30mm and thickness of 12mm finished with oil paint. The Frame & Architraves to be supplied in 3 parts as per customized size with miter cut.all required materials labours and equipments with fixing as per detailed drawing or as direct EIC.	Sqm	381.00	7,259.38	27,65,821.88
34	Providing and fixing Two/Three Track Domal window having extruded aluminum Colour anodized 60 micron Sliding section outer frame size 80 mm x 45 mm weight 1.555 kg/m (Jindal Section code : 21376) and shutter frame 27 mm x 65 mm weight 0.851 kg/m (Jindal Section code : 21490) and Section inner patti size 38.70 mm x 28.50 mm weight 0.303 kg/m (Jindal Section code 19453) , mosquito jali channel - 9 mm x 15 mm x1.20 mmx1.20 mm weight .118 kg/m (jindal section code 15784) with 5 mm clear Frosted Glass (Modi or Saint Gobain) including one additional shutter ss mosquito jali and including all accesible accesories complete etc. or as directed Engineer in charge.	Sqm	290.00	7,186.20	20,83,998.15
35	IRON WORKS - Providing, fabricating, assembling, hoisting/ erecting and fixing in position at all heights/ all levels/ all floors/ all shapes & sizes with all leads & lifts using all type of rolled section, hollow/ tubular section, sheet, threaded J bolts, insert plate etc as per drawing. all confirming to latest relevant IS codes for the work of steel structures like staircases, spiral stairs, railings, handrail, jali, gates, grills, bracings, platforms, brackets, monkey ladder, cattle trap, false ceiling frame work, Roof canopy, fencing posts, Screen & fencing jali frame work, puddle sleeve and flange etc. including straightening, cutting, bending, bolting and welding the members all as per structural drawings and as per detailed specifications.	KG	9,015.00	91.46	8,24,528.24
36	S.S. RAILING : Providing & Fixing SS railing.Material: SS 304 Grade MAT finish, Top handrail: 50mm round SS 304 grade, Vertical Balustrade: 40X40mm square post of SS 304 grade (900 mm distance). pipe joint connector Post: 45 mm round. Glass: 12 mm toughened of Saint Gobain or equivalent.work complete including all type of modular fittings, fixing, fixtures, accessories, tools, tackles, scaffolding, anchoring, silicon seal, epoxy grouting, insets plates, mock up sample etc complete as per the detailed drawing & Instruction of EIC.	Rmt.	51.00	5,342.90	2,72,487.90

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37	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	Sqm	166.00	992.66	1,64,781.28
38	Providing and laying polished kota stone slab 25mm thick in risers of steps,skirting Dedo and pillars laid on 10mm thick cement mortar 1:3 (1-Cement : 3 coarse sand) and jointed with gray cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete	Sqm	17.00	1,187.79	20,192.44
39	Providing and laying full body matt/glosy Vitrified double charged tiles 9 to 10 mm thick 600 x 1200 in flooring over 20 mm (Average) base of cement mortar 1:6 (1-cement : 6-coarse sand) finishing with flush pointing in white cement slurry with epoxy groove as directed by Engineer In charge. For all height and lead.	Sqm	670.00	1,769.78	11,85,749.83
40	Providing and laying matt/glosy Vitrified tiles 8 to 10 mm thick , 600 X 1200 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 with epoxy groove as directed by Engineer In charge. For all height and lead.	Sqm	67.00	1,964.91	1,31,648.83
41	Providing and laying matt/glosy Vitrified tiles 8 to 10 mm thick , 24" x 24" 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 with epoxy groove as directed by Engineer In charge. For all height and lead.	Sqm	1,495.00	1,344.14	20,09,491.79
42	Providing and laying matt/glosy Vitrified tiles 8 to 10 mm thick , 24" x 24" 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 with epoxy groove as directed by Engineer In charge. For all height and lead.	Sqm	150.00	1,412.47	2,11,870.23
43	Providing and laying full body matt/glosy Vitrified double charged tiles 9 to 10 mm thick 600 x 300 in flooring over 20 mm (Average) base of cement mortar 1:6 (1-cement : 6-coarse sand) finishing with flush pointing in white cement slurry with epoxy groove as directed by Engineer In charge. For all height and lead.	Sqm	60.00	1,341.13	80,467.91
44	Providing and laying matt/glosy Vitrified tiles 9 to 10 mm thick , 300 x 600 in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3- coarse sand) with adhesive and jointed with white cement slurry with epoxy groove as directed by Engineer In charge. For all height and lead.	Sqm	1,068.00	1,536.26	16,40,729.81
45	Providing and laying polished granite stone(Light/Dark shade) slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6-coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. (A) 18 mm thick. complete colour and shed as approved by architect & engineer in charge. for all height and lead.	Sqm	89.00	2,153.30	1,91,643.68
46	Providing and laying polished granite stone(Light/Dark shade) slab 18 mm thick in risers of steps,skirting Dedo and pillars laid on 10mm thick cement mortar 1:3 (1-Cement : 3 coarse sand) and jointed with gray cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc.complete.for all height and lead.	Sqm	60.00	2,348.43	1,40,905.91
47	Providing and laying 18mm thick polished granite stone(Light/Dark shade) machine cut in single piece (Max. available) in sill and jambs of door ,window, & lift wall, laid over 10 mm thick cement mortar 1 : 3 (1 cement : 3 coarse sand) and jointed with grey cement slurry with matching pigment incl. rubbing and polishing,half rounding edge and incl. fixing of hilt fastener at every 1/3 span of sill as required size etc. complete colour and shed as approved by architect & engineer in charge. for all height and lead.	Sqm	538.00	3,047.35	16,39,472.76
48	Providing and fixing Sandwich type Granite platform including supplying and fixing granite stone 18 mm thick 1st quality Granite stones in top and side position and vertical strip at front over 25 mm thick polished kota stone platform fixing in top and sides and intermediates supports fixing with cement mortar and adhesive and finishing including cutting for fixing of sink any size (as directed by engineer in charge) at required position etc complete.for all height and all lead.Measurment taken as per platform plan area.	Sqm	50.00	3,876.50	1,93,825.18
49	Extra for River wash tretment complete.for all height and all lead.Measurment taken as per platform plan area.	Sqm	117.00	220.69	25,820.15

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50	Water proofing of Sunken Toilets, kitchen and balcony Providing and applying chemical water proofing treatment with cement polymer modified based waterproof compound like Tapcrete P151 of CICO & Fiber glass cloth 10X10 woven out of 100% fiber glass yarn as per manufacture's specification or equivalent in three coats over roofs including 300 mm rounding off/ vata on sides of parapet as specified / as per manufacturers specifications and direction of engineer-in-charge and furnishing a guarantee bond of 10 years. Only plan area shall be measured rounding off vata shall not be measured separately and paid for.)	Sqm	303.00	522.17	1,58,217.51
51	Terrace water proofing Providing and laying integrated cement based proofing treatment of required thickness over the roof including 10mm thick waterproofing cement plaster in cement mortar 1:3 height above finished level of terracing including finishing the top with joint less water proofing plaster , curing , testing etc. complete. Rate is including ten years performance of guarantee bond to be given on stamp paper. Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm. of cement admixed with properly water proofing compound conforming to IS -2645 and 10 mm thick water proofing cement plaster in Cement mortar 1:3 over the R.C.C.slab incl. cleaning the surface before treatment.all complete as directed and specified by the Engineer In Charge.	Sqmt.	1,112.00	615.09	6,83,980.08
52	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	Cumt.	116.00	4,437.57	5,14,757.69
53	Providing and laying broken chine mosaic flooring for terrace using 12 mm to 20 mm broken pieces of glazed tiles to be laid over cement mortar 1:3 to plain or slope and to be tempered to bring mortar creme out upto surface using white cement including rounding off junctions and extending them upto 15 cm along the wall,clearing with water and oxalic acid etc. as directed	Sqmt.	1,107.00	747.29	8,27,248.81
54	Providing and fixing wash down water closet (European type, W.C. Pan) with integral P or S trap including jointing the trap with soil pipe in Cement Mortar 1:1 (1-Cement :1-fine sand) (Seal and cover to be measured and paid for separately)(A) vitreous China Pattern :(i) in white colour, Providing and fixing 12.5 Litres low level flushing cisternwith a pair, of C.I. or Mild brackets, complete with fittings such as lead valve less syphon, 15mm nominal size brass ball valve with polythene float, C.P brass handleunions and couplings for connections, with inlet, outlet and overflow pipes, 40mm dia.porcelain enamelled flush bend including cutting holes in walls and making goodthe same connecting the flush bend with cistern and closet (overflow pipe to be measured and paid for separately)(A) Vitreous China (I) In white colour, Providing and fixing plastic seat and cover for wash down water closer with C.P. brass hinges and rubber buffers. (B) Black plastic seal and cover, With Jet spray heavy duty with S.S. Braided hose 60 cm long. complete as per detail drawing and instruction of engineer-in charge.	Each	38.00	8,711.25	3,31,027.50
55	Providing and fixing washbasin (470 mm X 450 mm) with single hole for pillar tap with C.I. or M.S. brackets painted white including sutting holes and making good the Providing and fixing C.P. brass waste for washbasin or sink. (A) 32mmdia.,Providing and fixingpillar tap, (For all floor)	Each	38.00	3,832.95	1,45,652.10
56	Providing and fixing UPVC/SWR Nahni trap of the following nominal dia self cleaning design with top tiles and stainer including cost of cutting and making good the walls and floors 100mm inlet and 50mm outlet including 150 mm x 150mm stainless steel jali with grating.	Each	38.00	571.08	21,701.20
57	Bib Tap :Providing and fixing Bib Tap Chromium plated of 15 mm with necessary concealed fitting and cover panels. All the damages incurred while fixing shall be repaired to the satisfaction of the engineer in-charge. Bib Cock shall be as approved by engineer in-charge	Each	76.00	1,568.03	1,19,169.90
58	Providing & fixing of overhead shower 80 mm (3") dia with 3 flow with OverheadShower arm 200 mm with wall flange complete (i) 15mm dia.,Providing and fixingbrass screw down stop tap.(A) 15mm dia	Each	38.00	1,684.18	63,998.65
59	Providing and fixing Kitchen sink (304 grade stainless steel 1.0 to 1.2 mm thk) with C.I. or M.S. brackets ,Perl Finish including cutting holes in Stone/wall/RCC and making good the same including of fittings like SS Waste Coupling(three pice) . (i)600mmx450mmx 200/230 mm	Each	40.00	3,368.35	1,34,734.00
60	Providing and fixing 600mm x 450mm bevelled edge Mirror of superior glass mounted on 6mm thick A.C.sheet or plywood sheet fixed to wooden plugs with C.P.Brass screws and washers.	Nos.	38.00	833.73	31,681.92

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61	Providing and fixing C.P. brass towel rail completewith C.P. brass brackets fixed to wooden plugs withC.P. brass screws.(B) 600mm x 20mm size.	Each	38.00	603.19	22,921.30
62	Providing and fixing Gun metal check or non-returnfullway wheel valve.(C) 25mm dia	Each	38.00	420.84	15,991.79
63	Providing and fixing Gun metal check or non-returnfullway wheel valve.(C) 40mm dia	Each	38.00	663.43	25,210.29
64	Providing and fixing chromium plated brass half turn flush cock of approved quality including fixing in pipe line etc. complete.(ii) 25mm dia.	Each	38.00	1,451.88	55,171.25
65	Providing & fixing ball cock of approved quality as directed. (A) Copper Metal (ii) 50 mm dia	Each	38.00	132.89	5,049.66
66	Providing laying and jointing in true line and level 15mm Dia U.P.V.C .Pipe 15mm Dia (SCH 40) for cold water including fittings make PRINCE /SUPREME /ASTRAL/ FINOLEX ore quivalent as approved by client and cosultant. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joint sand fixing the same with adhesive solvent, including cost of all materials.	Rmt	57.00	72.65	4,141.01
67	...do... 25mm Dia U.P.V.C .Pipe	Rmt	57.00	91.84	5,234.84
68	...do... 32 mm Dia U.P.V.C .Pipe	Rmt	228.00	119.09	27,152.31
69	...do... 40 mm Dia U.P.V.C .Pipe	Rmt	20.00	148.12	2,962.33
70	...do... 50 mm Dia U.P.V.C .Pipe	Rmt	66.00	195.67	12,914.04
71	...do... 65 mm Dia U.P.V.C .Pipe	Rmt	37.00	304.20	11,255.28
72	...do... 80 mm Dia U.P.V.C .Pipe	Rmt	219.00	305.02	66,799.38
73	Providing,laying and jointing in true line and level 110mm Dia U.P.V.C (TypeB) conforming to IS13592-1992 with one end plain and other end socketed with rubberring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipeline, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp every 2000mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all material	Rmt	25.00	835.15	20,878.72
74	...do... 160mm Dia U.P.V.C (TypeB)	Rmt	15.00	831.22	12,468.30
75	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete.[A] 15 mm	Rmt	57.00	166.86	9,511.14
76	...do... [B] 20 mm.	Rmt	19.00	205.00	3,894.99
77	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [C] 25 mm	Rmt	19.00	249.72	4,744.73
78	Providing and fixing S.W. Gully trap with C.I. grating brick masonry chamber & water-tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight. [I] Square mouth trap (C) 150mm x 100mm size P or R type.	Each	38.00	1,246.92	47,382.80
79	Providing and fixing S.W. Gully trap with C.I. grating brick masonry chamber & water-tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight. Square mouth trap 150mm x 100mm size P or R type.	Each	10.00	1,858.40	18,584.00
80	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg/Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slabe with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(i) Inside dimensions 455mmx 610mm and 450mm deep for single pipe line.	Each	4.00	2,932.93	11,731.72
81	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S.class NP2 of the following internal diameter with collars and buttends prepared for collar joints including testing of joints complete (i)150mm dia	Rmt	50.00	248.67	12,433.61
82	...do...(ii)250 mm dia	Rmt	40.00	348.04	13,921.44
83	...do...(iii)300 mm dia	Rmt	40.00	665.18	26,607.04

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Sr.No	Item Description	Unit	Total Qty	Rate	Total Amount
84	Providing & fixing G.I. Rain water spout of 50 mm.dia & 30 cm length etc	Nos.	10.00	102.92	1,029.19
85	Providing and fixing in position UPVC/SWR cowel vent to pipe 110mm dia as directed.	Each	10.00	589.84	5,898.40
86	Providing erecting and fixing double coated ISI water tank of required capacity each with all necessary fittings and connection etc. complete on terrace.	Liter	16,000.00	3.95	63,185.60
87	Providing and fixing to wall,ceiling and floor 6 kg/sq.cm working pressure PVC RAIN WATER pipe with 'O' ring 160 mm dia Rate inclusive of all fittings like single or double "Y" with door, reducer, coupler single T with door bend, pipe clip on wooden patti etc.complete.(i)160 mm dia	Rmt	48.00	1,747.30	83,870.40
88	...do...(ii)160 mm dia	Rmt	29.00	321.18	9,314.22
89	2 way bib cock CON-041KN : Providing and fixing 2way bib cock with necessary concealed fitting and cover panels. All the damages incurred while fixing shall be repaired to the satisfaction of the engineer in-charge . 2 in 1 bib cock shall be of Jaguar, Ess Ess, marc made or is equivalent as approved by engineer in-charge	Each	38.00	2,045.89	77,743.68
90	Providing and fixing to wall,ceiling and floor U.PVC/SWR soil waste pipe with 'O' ring of ISI 13592/92. Rate inclusive of all fittings like single or double "Y" with door, reducer, coupler single T with door bend, pipe clip on wooden patti etc.complete and making good the wall,ceiling and floor.(i) 160 mm dia	Rmt	54.00	369.64	19,960.55
91	...do...(ii) 110 mm dia	Rmt	50.00	897.85	44,892.48
92	...do...(iii) 75 mm dia	Rmt	44.00	486.23	21,394.30
93	Providing and Fixing 20 mm chromium plated brass Health faucet with 1000 mm flexible pipe and necessary accessories, Fixing and Approval of engineer in-charge.	Each	38.00	1,381.03	52,479.28
94	Providing and fixing toilet paper holder (A) C. Brass	Each	38.00	418.68	15,909.66
95	Stop Tap 15 mm dia: Providing and fixing stop Cock with necessary concealed fitting and cover panels. All the damages incurred while fixing shall be repaired to the satisfaction of the engineer in-charge . Angular Stop Cock shall be as approved by engineer in-charge	Each	38.00	964.09	36,635.25
96	Providing and fixing hot and cold water shower mixer with CP brass screws, Design: Wall Mixer With 210 Mm (8") Long With Bend Pipe For Overhead Shower Material: 03 To 05 Micron Chromium Plating And Impeccable Surface Finish Operation : The Body Is Constructed By Stainless Steel, etc., complete.	Each	38.00	3,986.27	1,51,478.18
97	Providing and fixing screw-to-wall type S.S. Soap dish / tray fixed to wall with CP brass screws, etc., complete.	Nos	38.00	545.40	20,725.20
98	Providing and fixing screw-to-wall type S.S. Soap liquied dispenser / tray fixed to wall with CP brass screws, etc., complete.	Nos	38.00	1,262.50	47,975.00
99	Extra over above Item No. 35 for additional depth 0.10 mt. or part there of beyond 450 mm depth for brick masonry chamber for 455 mm x 610 mm size	Each	2.00	242.39	484.78
100	Constructing R.C.C. man hole with r.c.c. top slab in (1:2;4) mix with foundation concrete (1:3:6)) inside plastering 15mm thick in C.M. (1;4) finished with floating coat of neat cement slurry and making channels in cement concrete (1:2:4) mix finished smooth complete incl curing & testing Inside size 900 m.m.x1200 m.m.and 1.5 meter deep including C.I. Manhole cover with frame size 560 mm diameter total weight of coverand frame to be not less than 128 kgs (wt of cover 64 kg & weight of frame 64 kgs) (A) with 230 mm thick walls of brick masonry using bricks having crushing strenth not less than 35 kg/sq cm. in cement mortar (1 :5) (1) A-type depth 0.9 meter for 150 mm diameter sewer	Each	2.00	11,029.97	22,059.94
101	Providing corrugated G.I. sheet of class-3 roofing fixed with glavanished iron J or L Hooks, Bolts and nuts 8mm diameter with bitumen and G.I. limpet washer or G.I. limpet washer. filled with white lead complete excluding the cost of purlins, Rafters and Trusses.(1) 0.80 mm thick sheet.	Sqmt.	63.00	727.13	45,809.15
102	upply and fixing of galvanized screws for bolting of the structural and non structural LGS members as per specification and anchor hilti bolts for fixing LGS frame to plinth	Kgs	480.00	17.10	8,207.66

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Schedule B

Sr.No	Item Description	Unit	Total Qty	Rate	Total Amount
103	Supplying & loading Single Bed : Size of entire structure (6'-10" X 3'-2" X 2'-9" (L x W x H) Vertical & Horizontal Structure Wall thickness 1.2mm CRC Square Tube Size: 2" X 1", Other Structure Support Wall thickness 1.2mm CRC Square Tube Size: 1" X 1", Wooden Back Support 6" x 0.75" Teak Wood Section , Wooden Leg Side members 3.5" x 0.75" Teak Wood Section Wooden Legs Dia. 1.5" Teak Wood Section Metal Coating Powder Coated Ply 18mm ISI Standard Ply Oil Painted Powder Coating Black or as per selection Wood Furniture Polishing French Polishing Minimum Thickness of powder coating 7 Micron Type of welding Mig Welding. The rate shall be Including all materials and labour etc. complete as per detail drawing and instruction of engineer-in charge.	Nos.	100.00	12,625.00	12,62,500.00
104	Study Table : Size of entire structure (4'-0" X 2'-0" X 2'-6" (L x W x H) Vertical and Horizontal Structure Wall thickness 1.2mm CRC Square Tube Size: 2" X 1" Other Structure Support Wall thickness 1.2mm CRC Square Tube Size: 0.75" X 0.75" Foot Rest Support Wall thickness 1.2mm CRC Round Pipe Size: Dia. 1" Wooden Working Top Frame 4" x 1.25" Teak Wood Section Wooden Working Top Mid. Planks 4" x 0.75" Teak Wood Section Metal Coating Powder Coated Ply 12mm ISI Standard Ply Oil Painted Powder Coating Black or as per selection Wood Furniture Polishing French Polishing Minimum Thickness of powder coating 7 Micron Type of welding Mig Welding. The rate shall be Including all materials and labour etc. complete as per detail drawing and instruction of engineer-in charge.	Nos.	99.00	5,555.00	5,49,945.00
105	Providing and Supplying S. S. Dining Table of size 2400 x 1200 x 750mm (L x W x H) made by using S.S. 50 x 50 x 1.5mm thick pipe in structure and legs of the table with 1.5mm thick S.S. sheet on top of the table with necessary welding and PVC buffer in legs with all SS parts to be glossy or matt finish buffing etc. complete or as directed by EIC.	Nos.	37.00	6,566.01	2,42,942.37
106	Providing and Supplying S.S. Dining Chairs made by using S.S. 18mm round 1.5mm thick pipe in structure and legs of the table with bended plywood in seat and back portion with necessary welding and PVC buffer in legs with all SS parts to be glossy or matt finish buffing etc. complete or as directed by EIC.	Nos.	148.00	2,300.33	3,40,448.17
107	Wooden Metal Chair with Arm: Size of entire structure (1'-7" X 1'-7.5" x 3'-0") (L x W x H) Vertical and Horizontal Structure Wall thickness 1.1mm CRC Square Tube Size: 1.5" X 0.75" Other Structure Support Wall thickness 1.1mm CRC Square Tube Size: 0.75" X 0.75" MS Seat and Back Support 0.75" X 0.125" MS Flate Wooden Seat 2.75"X1.0" Teak Wood Section Wooden Back 2.75"X 0.5" Teak Wood Section Wooden Arm Rest 1.75"X 1.5" Teak Wood Section Metal Coating Powder Coated Powder Coating Black or as per selection Wood Polishing French Polishing Minimum Thickness of powder coating 7 Micron Type of welding Mig Welding. The rate shall be Including all materials and labour etc. complete as per detail drawing and instruction of engineer-in charge.	Nos	99.00	7,575.00	7,49,925.00
108	Three Seater Sofa (Size: 1800mm x 750mm) Providing and supplying the sofa will be total prepared in 18mm plywood. Then Z-Section spring use and on top 4".0' rubber cushion and top 25mm thick and 32 density U-Foam finished with leather rexin as per selected sample. The back support fitted with 2".0' rubber cushion with 25mm U-Foam with 32 density appropriate 3" angle support. All finished with cloth fabric of basic cost Rs. 500 per sqmt. as selected by the architect or engineer-in charge. handle and footing support shall be finished in Teak wood with malamine finished as shown in drawing. The rate shall be Including all materials and labour etc. complete as per detail drawing and instruction of engineer-in charge.	Nos	8.00	19,708.33	1,57,666.66
109	Corner table (Size: 600mm x 600mm) Providing and fixing 12mm thick designer glass top supported with SS stud with 18mm thick plywood frame strucutre (shown in detail drawing) with 1.0mm thick approved laminate finish with nylon buffers and including all materials and labour etc. complete as per detail drawing and instruction of Engineer-in charge and consultant.	Nos	3.00	8,029.50	24,088.50

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Sr.No	Item Description	Unit	Total Qty	Rate	Total Amount
110	Center Table (Size: 1000x600mm) Providing and fixing 12mm thick designer glass top supported with SS stud with 18mm thick plywood frame structure (shown in detail drawing) with 1.0mm thick approved laminate finish with nylon buffers and including all materials and labour etc. complete as per detail drawing and instruction of Engineer-in charge and consultant.	Nos	2.00	9,090.00	18,180.00
111	Side Table for Bed (Size: 450mm x 300mm) Providing & fixing side table made of 19mm thick MR grade plywood with laminate finished approved shade by architect. The side table and other structure shall have made complete as per detail drawing and instruction of engineer-in charge. The rate shall include all materials, hardware and labour etc. complete as per instruction of engineer-in charge and consultant.	Nos	106.00	6,565.00	6,95,890.00
112	Bed Mattress With Pillows (Size: 800mm x 1700mm) Providing Bed Mattress with pillows as per selection. The unit rate should be including the piping, fitting and transportation etc. The brand and its application should be approved by architect/client. The rate shall include all materials, hardware and labour etc. complete as per instruction of engineer-in charge and consultant.	Nos	102.00	3,030.00	3,09,060.00
113	Wardrobe (depth: Ht. 550 mm) Providing and fixing Wardrobe with the shutters made of 18mm thk. plywood in approved shade with wooden edge beading finished with melamine polish matching to laminate. The vertical and horizontal surfaces of 18mm plywood & back side 6mm plywood with inside and outside 1mm Laminate in approved shade. The 18mm plywood shelves with both side 1.00mm laminate finished. All exposed edge shall have wooden beading with melamine polish in approved shade. Lock, handle, Auto hinges & including all materials and labour etc. complete as per detail drawing and instruction of engineer-in charge and consultant.	Sqm	161.00	8,130.50	13,09,010.50
114	Rollar blind Providing and fixing Rollar Blind fixed on window level as per design and colour as per instruction by engineer-in-Charge with necessary hardware fitting, material and labour etc. complete as per detail drawing and instruction of engineer-in charge and consultant.	Sqm	286.00	2,121.00	6,06,606.00
115	Pantry / kitchen Below Platform Storage 600mm wide Providing and fixing Pantry below storage with 18mm thick plywood box frame work. The shutters shall be laminate finished with expose edge having wood beading in approved shade melamine polish. The vertical and horizontal exterior surface of plywood shall be laminate finish outside 1.0mm inside 0.8mm thk. laminate finish. The shutter shall have Auto hinges for Left or Right side opening. The plywood used shall be of MR grade. All edge beading should be in wood and matching to the selected laminates with Nail, Sqrew, Abrotap, Multipurpose lock, Telescopic channel, Auto hinges, Stopper, Magnet . Including all materials and labour etc. complete as per instruction of Engineer-in charge and consultant.	Sqm	67.00	8,670.85	5,80,946.95
116	Full ht. Partly glazed partition Providing and fixing full height partly glazed partition with 8mm glass installation upto ceiling or beam bottom as per drawing and the structural framing of Aluminium square pipe size of 50mm x 25mm and 1.6mm thick all vertical and horizontal member 600mm c/c both direction fixed by aluminium angle size of 25mm x 25mm x 25mm for proper finishing with both side cover with 8mm plywood with grooving detail as per design. All exposed edges shall be covered with necessary sizes wooden patti finish with melamine polish in approved shade. The plywood fixing properly without any air gap and finishing with selected laminate finish as per design. The glass shall be finished with vinyl film as per design. Before installation, make hole/face plate for conduit pipes of electrical / networking cables with openable stud from partition. Rate shall include necessary itching film, Including all materials and labour etc. complete as per detail drawing and instruction of ngineer-in charge and consultant. (Mode of measurement shall be till false ceiling lvl.) (Basic Cost of laminate Rs. 475/- per Smt.)	Sqm	75.00	4,224.23	3,16,817.56

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Sr.No	Item Description	Unit	Total Qty	Rate	Total Amount
117	Reception Table (Size: 1800 mmx900mmx750mm) Providing and fixing 38mm thick plywood top with laminate finish with in approved shade with telescopic suspended metal keyboard with mouse tray with 57mm vertical legs made by plywood with laminate finish with. The Apron should be made from plywood with laminate finish with as per detail drawing, Drawer unit box (410MMx430MMx650MM) with wooden bidding patti on nylon castor with lock and telescopic channel should be made from 18mm plywood with laminate outside 1.0mm and 0.8mm inside laminate finish. The shutter outside shall be laminate finish and 0.8mm inside laminate finish with Auto hinges and drawer should be made from 18mm plywood with laminate finish in approved shade and CPU Trolley should be supplied of metal powder coated, Footrest (100x75 mm) should be from teakwood with melamine polish finish in approved shade. The table shall have 12mm thick back painted designer glass top as per design. Including all materials and labour etc. complete as per detail drawing and instruction of Engineer-in-charge.	Nos.	1.00	23,462.30	23,462.30
118	Pro. And fixing single layer water proof gypsum board 12.5 mm thick sections using water proof board of size 1220 mm x 1830 mm x 8.0 mm suspended by GI suspender channel of size 25 mm x 3 mm with intermediate channel of size 18 mm x 40 mm x 0.8 mm at 1220 mm center to center ceiling section of size 40 mm x 35 mm x 0.55 mm at 457 mm c/c and perimeter channel A of size 20 mm x 27 mm x 30 mm x 0.5 mm at edges & drops incl.paper tap sand sofit cleat, anchor fastener, scotch bolt connecting cleat,joining compound top coat on ceiling incl.making necy.opening for light fitting,diffuser etc. comp. as per detail drawing as directed EIC.	Sqm	1,468.00	606.95	8,91,001.72
119	Construction of granular sub-base by providing coarse graded machine crushed B.T. material satisfying MOST specification of grading I (B.T. stone aggregate 53 mm to 26.5 mm 35 %, 26.5 to 4.75 mm - 45 % and 2.36 mm below - 20 %) including spreading in uniform layer with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC and compacting with vibratory roller to achieve the desired density etc. complete.	Cum	90.00	1,016.06	91,445.40
120	Providing and laying in position Ready Mixed M- 150 grade concrete for reinforced cement concrete work , using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained) Under Footing and at Floor PCC	Cum	70.00	3,828.11	2,67,967.85
121	Compaction and finishing of cement concrete road by trimix M.250 process providing extra Labour charges for the trimix vacume dewatering service process on cement concrete road surface by using vacuum dewatering pump floater surface vibrator including making groves and rough finish to surface including leveling etc complete.	Sqm	450.00	85.85	38,632.50
122	Providing and fixing pre-cast Rubber Dye inter locking concrete block 60mm thick with grade of concrete M250 pneumatic compressed by mechanically pressed and as per approved design including 75 mm sand layer for levelling and filling the joint with sand in proper line and level etc. completed.	Sqm	133.20	740.51	98,636.17
123	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm length,30cm height and 15cm thick of M250 grade concrete as per approved design and including excavation for fixing in proper line and level,filling the joint with C:M 1:3 (1cement:3fine sand) etc complete.	Rmt	360.00	330.44	1,18,959.01
124	Excavation for Foundation from 3 to 5 mt. depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead. (B) Dense or Hard soil	Cumt.	23.00	174.23	4,007.18
125	Providg. & laying cement concrete 1:2:4 (1cement:2 coarse sand :4 hand broken stone aggregate 20 mm nominal size) and curing complete excluding cost of form work in (A) Foundation and plinth	Cumt.	4.00	3,697.91	14,791.65
126	Providing and laying coloured glazed tiles of the size 300 mm x 450 mm x 8 mm in skirting, risers of steps and dado on 10 mm. thick cement plaster 1:3 (1 cement : 3 coarse sand) & jointed with white cement slurry.	Sqmt.	67.00	960.81	64,374.47

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Sr.No	Item Description	Unit	Total Qty	Rate	Total Amount
127	Providing and laying cement concrete flooring 1:2:4 (1 Cement:2 Coarse Sand : 4 Stone aggregate 20 mm nominal size) adding polypropaline nylon fibers in 6 mm length at the dosage of 125 gm/ bag of cement and laid in one layer making slops to drain out rain water. (Avg. bedding thickness 75 mm thick).	Cumt.	15.00	4,437.57	66,563.49
128	Providing cement vata (10 cm x 10 cm size) quartar round in cement mortar 1:1 including neat cement finishing watering etc. complete. For all floor	Rmt.	22.00	18.88	415.29
129	Providing and fixing Steel Fibre Reinforced Concrete (SFRC)Manhole Cover EHD 35 ton capacity, Clear opening 600mm dia. Having weight 235 Kg. etc. complete as directed by EIC.	Each	1.00	5,014.65	5,014.65
130	Providing, laying and fixing 200 mm vide PVC water stop of approved make and grade thickness in concrete work for water tightstructures like retaining walls of pound water body and underground water tank including cleaning and placing in line level etc. complete, as directed.	Rmt.	16.00	414.10	6,625.60
131	Providing & Fixing iron steps of size 500mm x 150mm x 22.5 mm and painting with two coats of anticorrosive paint etc. complete.	Nos.	12.00	109.23	1,310.78
132	Providing and Fixing concerting coil fencing with 600 mm dia. Up to 3.00 meter height of wall with exiting iron Y shaped placed 2.40 mt or 3.00 mtr apart and with 9 horizontal R.B.T stud tied with G.I staples and G.I Clips to retain horizontal including necessary bouts or G.I barbed wire tied to angle iron all complete as per direction of engineer in charge with reinforced barbed tape (R.B.T.) / spring core (2.50 mm thick) wire of high tensile of 165 kg/sqm with tape (0.52 mm thick) of supreme make or equivalent and weight 43.47 gm/mtr [cost is included of M.S angle 40mmx40mmx6mm, c.c.blocks size 230mmx230mmx150mm(1:2:4)	RMT	100.00	858.50	85,850.00
133	Providing & fixing G.I. Barbed wire fencing (12/14 Gauge) having mass and uniformity of Zinc coating & specifications shall be as per IS 2140 – 1978 & IS 4826 – 1979 code with minimum 70 micron coating having 3 horizontal rows & 2 diagonals, fixing with angle posts by means of G.I. U pins or with R.C.C. poles by 14 Gauge G.I. Wire as per drawing etc., complete as directed by E.I.C.	RMT	1,000.00	25.25	25,250.00
134	Demolition of Brick work and stone masonry including stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift. (ii) In Cement Mortar.	Cum	23.00	550.40	12,659.19
135	Demolition including stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift. (i) R.C.C. work	Cum	13.80	1,057.85	14,598.38
136	Supplying, installation, testing and commissioning of electric driven main fire hydrant and sprinkler pumps suitable for automatic operation and sisting of following: complete in all respect as required. Horizontal type, multistage, centrifugal, split casing pump of cast iron body and bronze impeller with stainless steel shaft,mechanical seal to ensure a minimum pressure of 3.5 kg/sq.cm. at highest and farthest outlet at specified flow of 137 m3/Hr at 90m head conforming to IS 1520. Suitable HP, SQ cage induction motor, TEFC, synchronous speed 2900 RPM, suitable for operation on 415 ± 6% volts, 3 phase 50 Hz. AC with IP 55 protection for enclosure with Class-'F' insulation, conforming to IS-325.M. S. fabricated common base plate, coupling,coupling guard, foundation bolts etc. as required. Make - Kirloskar, Mather platt, Greaves	Set	1.00	4,54,500.00	4,54,500.00
137	Supplying, installation, testing and commissioning of electric driven pressurisation pump suitable for automatic operation and consisting of following: complete in all respect as required. Horizontal type, multistage, centrifugal pump of cast iron body and bronze impeller with stainless steel shaft, mechanical seal and flow of 10.8 m3/Hr at 90 m head conforming to IS: 1520. Suitable HP, SQ cage induction motor TEFC type suitable for operation on 415 volts, 3 phase 50 Hz. AC with IP 55 protection for enclosure, horizontal foot mounted type with class 'F' insulation, conforming to IS: 325 M. S. fabricated common base plate, coupling, coupling guard, foundation bolts etc. as required. Make - Kirloskar, Mather platt, Greaves	Set	2.00	1,26,250.00	2,52,500.00
138	Supplying, installing, testing and commis-sioning of Control Panel suitable for 1 nos of Electric Motor Driven Fire pump and 1 nos of jockey pump for auto start and stop of jockey pump and auto start of main pumps with the provision of push buttons for manual stop. Make - CPRI approved	Set	1.00	35,350.00	35,350.00

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Sr.No	Item Description	Unit	Total Qty	Rate	Total Amount
139	Cabling and Double Earthing within Pump House for Fire Pumps and for Terrace Level Pump from Control Panel to drives and instrumentation. Make - Finolex, Incab, Polycab	Job	1.00	33,330.00	33,330.00
140	Providing and fixing of dial type Pressure Guage having 100 mm dial & range of 0-15 Kg/cm2 with syphon and cock. Make - Hguru, Fiebig	Each	3.00	2,020.00	6,060.00
141	Providing, fixing, testing and commissioning of precharged air vessel (Pressure Vessel size 450 mm dia & 2000 mm height) fabricated shell from 8 mm thick & dished end 10 mm thick M.S. Plate for pressurization of hydrant system complete with adequate pressure switches (as per design / requirement) with valve to operate as per operating sequences including 25 mm dia drain valve, air release valve with ball cock on top, 65mm dia inlet with isolating valve duly painted from inside and out side complete as required.	Each	2.00	25,250.00	50,500.00
142	Providing and fixing of Pressure switches with fittings as per required. Make - Indfoss, Switzer	Each	4.00	2,525.00	10,100.00
143	Providing, fixing, testing and commissioning of above ground M.S. ERW Black Heavy duty pipes as per IS: 1239 (upto 150 mm dia.) and IS: 3589 (upto 200 mm dia. And above) including cutting, screwing, welding etc. and providing all structural work fabrica-ted from standard sections, (MS rounds, angles, channels etc.), and fittings like flanges, bends, tees, elbows, reducers, clamps, hangers, fasteners etc. including cutting, drilling, welding, cutting holes and chases in brick / RCC walls / slabs complete with painting of one coat of rich zinc primer and 2 or more coats of synthetic enamel paint of approved make / shade complete as per specification.(100 mm dia.) Make - Tata, Zindal, Surya prakash	Rmt	90.00	1,010.00	90,900.00
144	...do...80 mm dia.	Rmt	50.00	808.00	40,400.00
145	Providing and fixing,testing and commissioning of Foot Valve with strainer made from CI body with bottom and top removable flanges of sizes: Make - Audco, Venus, Leaders 100 mm dia.	Each	2.00	6,565.00	13,130.00
146	Providing and fixing, testing and commissioning of Buterfly valve PN 1.6 with bronze/gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets, conforming to I.S:13095 of following size: Make - Audco, Intervale, Sarkar 100 mm dia.	Each	4.00	6,666.00	26,664.00
147	...do...80 mm dia.	Each	4.00	4,545.00	18,180.00
148	Providing, fixing, testing and commissioning of dual plate CI non-return valve of following sizes conforming to IS: 5312 complete with rubber gasket, GI bolts, nuts, washers etc. as required.80 mm dia. Make - Audco, Intervale, Sarkar	Each	4.00	4,040.00	16,160.00
149	Providing, fixing, testing and comissioning of S.S. Ball valve of sizes: 50 mm dia. Make - Audco, Leader, KSB	Each	4.00	858.50	3,434.00
150	Providing, fixing, testing and commissioning of Electronic type water level indicator with LED Panel & all control wiring.	set	2.00	22,220.00	44,440.00
151	Providing, fixing, testing and commissioning of 63 mm dia 15m long RRL hose pipe with 63 mm dia. Male and female gun metal couplings duly binded with GI wire, rivets etc. conforming to IS 636 (type-A) as required. Make - Shah Bhogilal, Newage	Each	16.00	4,545.00	72,720.00
152	Providing, fixing, testing and commissioning of Stan-dard Gun metal branch pipe with nozzle of 20 mm nominal bore outlet as per IS:903 suitable to fit with standard instanteneous type 63 mm coupling. Make - Shah Bhogilal, Newage	Each	16.00	2,525.00	40,400.00
153	Supplying and fixing First Aid Fire hose reel with MS construction spray painted in post office red, conforming to IS 884 with upto date amendments, complete with the following as required. A. 30m long 25 mm (nominal internal) dia water hose thermoplastic (textile rainforced) type-2 as per IS: 12585 B. 25 mm (nominal internal) dia shut off nozzle. C. Drum and brackets for fixing the equipments on wall. D. Connections from riser with 25 mm dia. S.S. stop valve. Make - Shah Bhogilal, Newage	Each	16.00	6,565.00	1,05,040.00

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Sr.No	Item Description	Unit	Total Qty	Rate	Total Amount
154	Providing, fixing, testing and commissioning of Weather proof standard fire hose cabinet stand mounting type (750 mm x 600 mm x 300 mm deep) having single or double opening with M.S. Fabricated Stand, necessary locking arrangement by allan key suitable for housing 2 nos. hose pipe, 1no. Branch pipe & nozzle spaner. Make - Shah Bhogilal, Newage	Each	4.00	3,737.00	14,948.00
155	Providing, fixing, testing and commissioning of Weather proof standard fire hose cabinet wall mounting type(750 mmx600 mmx300 mm deep) having single/double opening with necessary locking arrangement by allan key suitable for housing 2 nos. hose pipe, 1no. Branch pipe & nozzle spaner.Make - Shah Bhogilal, Newage	Each	13.00	4,040.00	52,520.00
156	Supplying, fixing, testing and commissioning of 2 way fire brigade connection of cast iron body with 4 nos. gun metal instantaneous inlet couplings complete with cap&chain as required for 150 mm dia MS pipe connection, conforming to IS:904 as required (1 for System & 1 for U.G. Fire Water Tank). Make - Shah Bhogilal, Newage	Each	2.00	5,050.00	10,100.00
157	Providing, fixing, testing and commissioning of Gun Metal Air Release Valve on top of each riser with 25 mm dia. S.S.Ball Valve.Make - Sant, Zoloto	Each	2.00	3,030.00	6,060.00
158	Getting Approval of Fire Hydrantsystem from local fire authority and any other relevant statutory authority at initial and various other stages of work, including preparation of report/drawings as per fire authority. Contractor shall include cost of all liason work which are not explicitly menti-oned above but are mandatory to have fire authority approval (*any statutory charges will be paid extra).	job	1.00	45,450.00	45,450.00
159	Providing AUTOGLOW Signages in Block / Small Letters of Specified Sizes: a). Fire lift size: 4" X 12"	Each	8.00	353.50	2,828.00
160	...do... Emergency exit size: 4" X 12"	Each	8.00	353.50	2,828.00
161	...do... Fire exit size: 4" X 12"	Each	8.00	353.50	2,828.00
162	...do...Fire Hydrant Line: 4" X 12"	Each	8.00	353.50	2,828.00
163	...do... Fire Hose Reel: 4" X 12"	Each	10.00	353.50	3,535.00
164	...do...Fire Hose Box: 4" X 12"	Each	10.00	353.50	3,535.00
165	...do..."DCP" Extinguisher: 8" X 4"	Each	10.00	252.50	2,525.00
166	...do...Water "CO2" Extinguisher: 8" x 4"	Each	10.00	252.50	2,525.00
167	...do...In case of Fire, do not use lift, use staircase: 8" x 8"	Each	10.00	454.50	4,545.00
168	Providing and fixing Fire Extinguishers, Hand appliances: Make - Fire age, Cease fire, Minimax a). "DCP" type Fire Extinguisher of 6 Kgs. Capacity.	Each	10.00	2,525.00	25,250.00
169	Water "CO2" type Fire Extinguisher of 5 Ltr. capacity.	Each	10.00	4,545.00	45,450.00
170	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. (e) in existing pipe erected flushed on wall/ceiling complete Cat. III	Pt.	952.00	350.47	3,33,647.44
171	Point wiring for secondary light point with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling. complete with earth continuity and necessary connection with primary light with accessories erected on Metal / PVC box covered with 3 mm thick PC(Polycarbonet) / Acrylic sheet for open / concealed wiring. with necessary Lamp holder / ceiling rose / H.D.Connector as directed. Note:- Maximum up to 6 mtrs length, excess will be considered as Mains for Secondary Point. (e) in existing pipe erected flushed on wall/ceiling complete	Pt.	476.00	76.76	36,537.76

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Sr.No	Item Description	Unit	Total Qty	Rate	Total Amount
172	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. (e) in existing pipe erected flushed on wall/ceiling complete Cat. III	Pt.	136.00	489.85	66,619.60
173	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 (e) in existing pipe erected flushed on wall/ceiling complete Cat. III	Pt.	334.00	364.61	1,21,779.74
174	...do...[III] For 16A Plug with 2-4 sq.mm Cu. Wire (e) in existing pipe erected flushed on wall/ceiling complete Cat. III	Pt.	201.00	629.23	1,26,475.23
175	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	Pt.	146.00	241.39	35,242.94
176	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. (e) in existing pipe erected flushed on wall/ceiling complete Cat. III	Pt.	146.00	449.45	65,619.70
177	Conduits & Pipes Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed (b) 25 mm	Mtr.	6,200.00	32.32	2,00,384.00
178	...do...(c) 32 mm	Mtr.	100.00	52.52	5,252.00
179	Providing & erecting PVC Corrugated Flexible Conduit with required nos. of coupling, PVC bushes, Check-nuts etc. complete of following sizes. (2) 25 mm	Mtr.	100.00	20.20	2,020.00
180	Mains & Wires 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 (E) in existing pipe (a) 2 wire 1.5 sq. mm	Mtr	4,189.00	44.44	1,86,159.16
181	...do...(b) 2 wire 2.5 sq. mm	Mtr	2,793.00	59.59	1,66,434.87
182	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 (E) in existing pipe (a) 2 wire 4 sq. mm	Mtr	2,232.00	82.82	1,84,854.24
183	...do...(h) 4 wire 6 sq. mm	Mtr.	600.00	229.27	1,37,562.00

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Sr.No	Item Description	Unit	Total Qty	Rate	Total Amount
184	MOULDED CASE CIRCUIT BREAKERS Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. at 415 V. having normal current rating up to 125A. with Fixed thermal & magnetic release suitable to work on A.C.supply 50 c/s. with all internal connections & complete erected in existing 16 G.M.S. housing. ICS=100% of ICU only Cat III	Ea.	8.00	8,055.76	64,446.08
185	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 25 KA. at 415 V, having normal current rating up to 25 A to 100A. with Fixed thermal & magnetic release suitable to work on A.C. supply 50 c/s. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing.	Ea.	4.00	6,173.12	24,692.48
186	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. and above at 415 V . having normal current rating 250A. with variable thermal & magnetic release suitable to work on A.C.supply 50 c/s. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing.	Ea.	2.00	20,946.39	41,892.78
187	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 50 K.A. and above at 415 V having normal current rating 800A.with variable thermal & magnetic release suitable to work on A.C.supply 50 c/s. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S.housing.	Ea.	1.00	30,733.29	30,733.29
188	PANEL MOUNTING BUSBARS Supplying and erecting triple pole & neutral 440V/ 500V panel mounting Aluminium Busbars with four equal Nos. of bus having current density not more than 0.8 Amp. / sq.mm (Rated current / cross section area) duly wrapped with colour insulating tape for phase sequence of following current carrying capacity, erected with necessary bus bar supports /insulators, main cable socket to each busbar,erected in existing cubical panel with necessary connections. (B) Suitable for 200 Amp. Capacity	Rn.Mtr	10.00	1,037.27	10,372.70
189	...do...(F) Suitable for 800 Amp. capacity	Rn.Mtr	10.00	6,240.79	62,407.90
190	...do...(C) Suitable for 300 Amp. Capacity	Rn.Mtr	10.00	1,469.55	14,695.50
191	MINIATURE CIRCUIT BREAKERS. Miniature circuit breaker single pole 6A 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	Ea.	200.00	112.11	22,422.00
192	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 ....do... (b)63 Amp. Cat.III	Ea.	10.00	668.62	6,686.20
193	MCB DISTRIBUTION BOARDS 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) (A) single phase incoming and horizontal single phase outgoing (iii) 6way	Ea.	36.00	582.77	20,979.72
194	...do...(B) Three phase 12 way SS Double door for horizontal single phase outgoing	Ea.	6.00	3,874.36	23,246.16
195	EARTH LEAKAGE CIRCUIT BREAKERS Approved make ELCBs / RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 6 KA and suitable for operation on single phase 240 V. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed(ii) 40Amps. DP Cat. III	Ea.	36.00	2,235.13	80,464.68
196	...do...(i) 25 Amps.DP	Ea.	40.00	2,235.13	89,405.20
197	DANGER NOTICE BOARDS. Providing and erecting metallic vitrified danger notice board for MEDIUM VOLTAGE installation to be erected as per IS.	Ea.	2.00	69.69	139.38
198	Providing & erecting Medium Voltage Danger Notice Board sticker of standard size	Ea	2.00	26.26	52.52
199	EARTHINGS Providing and erecting required size HOT deep Galvanised iron strip for earthing of H.T. , OCB/ ACB/ Transformer LT panel board, Motors etc. using proper clamp.	Kg.	50.00	77.77	3,888.50
200	Providing and erecting required size Copper strip for earthing of H.T. OCB / ACB/ Transformer, LT panel board, Motors etc. using copper clamp.	Kg.	50.00	794.87	39,743.50
201	Providing and erecting Annealed bare Copper wire 8 to 16 SWG.	Kg.	50.00	794.87	39,743.50

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Sr.No	Item Description	Unit	Total Qty	Rate	Total Amount
202	<p>Supplying & erecting in earthen pit of minimum bore dia. 225mm size ASH or approved make Safe Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free G.I. Pipes having Outer pipe dia of 80 mm having 80-200 Micron galvanising, Inner pipe dia of 40 mm having 200-250 Micron galvanising, connection terminal dia of 14 mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications.</p> <p>[C] For Electrical Installation covering Transformer Neutrals, Lightning arrester Earthing, A.C. Plant & Sensitive Computer System (like Automation, SCADA) i.e. independent Earthing located in other than normal soil i.e. Soft Rock, Marshy Soil etc..</p> <p>-Length of Pipe : 3 Mtrs.</p> <p>-Back filling Compound : 2 nos Bags of 25 Kg.</p>	Ea.	10.00	10,593.89	1,05,938.90
203	<p>Providing & erecting weather proof, dust & vermin proof, floor mounted front operated indoor type cubical panel board having IP-64 protection made from 14 SWG thick CRC M.S. sheet for outer body & doors, 16 SWG thick CRC M.S. sheet for internal partitions with necessary supporting angles, flats including cutting, bending, drilling, welding, riveting with internal partitions & cable alley as per requirements & instruction of engineer-in-charge with erection of supplied switch gears, BUSBARS, with suitable size of inter connecting PVC copper wire / copper-aluminium strips, rubber grommets, rib, bakelite control fuses for measuring instruments, earth bus & earth bolts, foundation flange - bolts-base Plates, sufficient nos. of hinged doors, handles with locking arrangement and rubber gasket complete. The Panel shall be painted with epoxy powder coating.</p> <p>(The rates excludes the cost of switchgears, bus bars, inter connecting mains & Copper Aluminium strips, meters, Fuses etc. The dimension shall be measured excluding base beams)</p> <p>The panel shall be supplied with following approved manufacturers with following size.</p> <p>(A) The standard companies switch gear shall be used and only manufacturers at CPRI approved factory and shall be certified by that company whose switch gears are used after fabrication for beneficial use</p> <p>(i) with 350mm depth</p>	Sq.Mtr	6.00	10,468.65	62,811.90
204	...do...(iv) with 1000 mm. depth	Sq.Mtr	6.00	27,134.66	1,62,807.96
205	Supplying & erecting XLPE (IS:7098) (I)-88 ISI unarmoured copper cable 1.1 KV grade to be erected as directed of following size. (E) 3 core 2.5 Sq. mm	Mtr.	200.00	136.35	27,270.00
206	Providing and erecting XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables (A) 4 core 16 Sq. mm	Mtr.	1,500.00	151.50	2,27,250.00
207	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 (I) 3 1/2 core 240 Sq. mm (120 Sq. mm 1/2 core)	Mtr.	300.00	1,161.50	3,48,450.00
208	Providing and, fixing heavy duty flange type brass double compression type cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (H) 3 & 1/2 core 240 Sq. mm	Mtr.	8.00	247.45	1,979.60
209	Making trench in soft soil of suitable width of 90 cm deep for laying cable or locating the fault all over the run and back filling the same and making the surface as normal ground.	Mtr.	200.00	46.46	9,292.00
210	<p>EXHAUST FANS & ACCESSORIES</p> <p>Supplying & erecting single phase approved make industrial exhaust fan suitable for medium duty ring mounted low noise operation suitable for medium duty having following dia size and maximum speed in RPM [A] 305 mm dia 900 RPM Cat. II</p>	Ea.	81.00	2,054.34	1,66,401.54

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Sr.No	Item Description	Unit	Total Qty	Rate	Total Amount
211	LED LUMINARIES Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA polyester powder coated and high U.V. & corrosion resistance with diffuser and/or Polycarbonate optics with company mark/name 120 to 300 V,Power Factor more than 0.9, THD < 10 %, CCT 4000 K to 6500K, Uniformity ratio >0.7,Luminaire efficiency> 85 lumens/watt ,LED driver efficiency > 85 %CREE / OSRAM / PHILIPS Lumileds / NICHIA / SEOUL/Bridgelux(U.S.A.) make LED used for luminaire. (Each fitting required LM-79 & LM-80 Certificates)(A) Tube Light with integral/ non-integral driver(D) 20-22 Watts, Surge - 4KV,IP-20 Cat-III	Each	30.00	373.70	11,211.00
212	...do...(C) Square/ Circular Surface/Recessed Mounted Downlight with provision for spring loaded mounting clips complete. (b) 10-15 watts, Surge-4 KV Cat-III	Each	50.00	427.23	21,361.50
213	...do...(C) 20-24 watts, Surge-4 KV Cat-III	Each	681.00	758.51	5,16,545.31
214	...do...(D) LED Panel Light with provision for Plane front frame with translucent cover fixed to housing complete. (g) upto 45 to 48 watts, 600 x 600 mm, Surge-4 KV Cat-III	Each	110.00	2,091.71	2,30,088.10
215	...do...(A) Street Light (IP-65), Surge protection -4KV integral and ,Light must have 440VAC line supply with over-voltage protection. (iii) above 24 to 36 watts	Each	30.00	2,201.80	66,054.00
216	Supply of approved make FRP Pole having following specifications: FRP Light Pole made by CNC filament winding machine using thermoset resin polyester/epoxy resin system) having minimum 62% glass content. The pole should be in one piece and tapered round in shape, having smooth finish and should be totally free from corrosion as well as non conductive & shock proof Pole should be provided with FRP Anchor Base and it should be heavy duty, or MS Material duly painted with Epoxy paint.[C] Overall length of 3.5 Mtr. Average Thickness: 7mm. Top/ Bottom OD Dia A/F 89/135 mm ± 2mm approx. Approx. Weight of Pole 15kg. approx. (Without Base) Anchor Base (Size 250X250 & 12mm th.)	Each	30.00	9,023.34	2,70,700.20
217	Providing FRP/GRP arm bracket of having 15" arm with 50 mm OD pipe *5 mm thk,1000mm long from pole centre (A) Single arm bracket	Each	30.00	1,900.82	57,024.60
218	Providing and erecting C.I./M.S. flange type base plate of 300mm x 300mm x 6mm	Each	30.00	240.38	7,211.40
219	Providing 1:2:4 cement concrete foundation & 70 % PCC from bottom including excavation for the pole of size 45 x 45 x 100 cm. Deep in below ground level with plinth of 45 cm x 45 cm (or 45 cm dia x 45 cm) high upper ground level with necessary curing and finishing in approved manner.(for 4 & 6 mtr pole)	Each	30.00	809.01	24,270.30
220	Supplying & erecting approved make SMC press moulded composite FRP. loop-in, loop-out approx. 2mm thick box complete with Bakelite connector strip 5way(3P+N+E),DIN rail for mounting mob & hinged doors as per requirement having locking arrangements with mounting clamp with nuts, bolts & washers suitable for erection on pole with cable clamps& earth bolt of following size of box.	Each	30.00	898.90	26,967.00
221	Supplying & erecting approved make IP 55 grade Company fabricated Timer Panel of following capacity for switch On-Off street lights on time scheduling basis made from 16G CRCA sheet duly epoxy power painted inside and outside with hinged doors and locking arrangement consisting of suitable size of 4 Pole MCB and 4 pole contactor (cat-III)with analog time switch, auto manual switch of same make and suitable input and output Bakelite terminals and with door earthing approved by Engineer in charge.(C) 63 Amp	Each	1.00	17,059.91	17,059.91
222	Providing & erecting Approved make Ceiling Fan with double ball bearing ISI mark with Condenser 230 volt A.C.50 Hz 1200 mm sweep complete having 3 blades aluminium body and blade sets having ornamental design shanks , canopy erected with earthing. [Make shall be approved by Engineer in Charge]	Each	136.00	2,311.89	3,14,417.04

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Sr.No	Item Description	Unit	Total Qty	Rate	Total Amount
223	Supply of 500 KVA Outdoor type Compact Substation consisting of Transformer, HT switchgear and LT Switchgear and confirming to IEC-62227. a) Transformer: 500 KVA Copper wound 11KV /433 V DYn11, Dry Cast resin type Transformer with tapping range +10 to -10% @ 2.5% (with tolerance), class F , with surge restorers, Digital WTI, IS1171 as per b) HT Compartment: 11KV, 21kA for 3 Sec . 630 A 50 Hz, gas insulated VCB in SS tank in sheet enclosure having provision for one no. direct connection of Incoming supply cable upto 300sq mm and one no. VCB(Manually charging & closing) in series with LBS between VCB and Transformer, Self Powered Relay 3 O/C +1 E/F Relay type CSPR-V5, mechanical ON/OFF indicator, trip coil , Manual Close & Trip PB, live cable indicator, mechanical interlocks, pad locking facility, SF6 gas manometer, cable boots, 3 nos. CTs with Ratio -/1A, CI: 5P10, 2.5 VA for protection c) LV side compartment : one no. ACB of 800A, 50kA, 4Pole, Microprocessor based release with arrangement for bottom cable termination	Each	1.00	14,12,296.13	14,12,296.13
224	Supply Installation, Testing & Commissioning of modular type Variable Refrigerant Volume air cooled Outdoor units suitable for cooling and heating, having all hermetically sealed inverter type Scroll Compressor(s), microprocessor based Controller, top discharge type condensing unit(s), with R410 A Refrigerant (Or Eco Friendly Green Gas if any), vibration isolators, with suitable foundation, MS Stand for Unit with necessary paint etc. complete as required. The unit shall deliver the rated capacity at AHRI Conditions and work even at 50°C ambient temperature without tripping. The unit shall be suitable to work on 400V +/- 10%, 3 Phase, 50Hz AC power supply. The unit shall be filled with first charge of the refrigerant and ready for use as required. The COP at AHRI conditions shall not be less than 3.1 and IEER not less than 6.5. (Design should be got approval before execution from engineer in charge)	PER HP	122.00	18,706.21	22,82,157.62
225	Supply, installation, testing and commissioning of following minimum capacity 4-way/2 way/radial flow as per approval VRV Cassette Type Indoor ceiling mounted unit equipped with synthetic washable media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX Copper coil, electronic expansion valve, outer cabinet, drain pump, grill, necessary supports, vibration isolation, cord less remote control etc., suitable for operation on single phase 230 V ± 10%, 50Hz AC supply, max noise level 60dB @ 400 cfm per TR(minimum) complete, as required. The unit shall have automatic force shut down provision in case of fire on receiving signal from BMS System. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature fresh air provision compatible for Remote Operation System (F) 2.4 TR	Ea.	4.00	24,930.84	99,723.36
226	.....(do).....(G) 2.8 TR	Ea.	4.00	25,384.33	1,01,537.32
227	.....(do).....(J) 4.0 TR	Ea.	6.00	27,029.62	1,62,177.72
228	Ceiling Suspended Multi flow Concealed units with all the necessary accessories 1.5 TR	Ea.	35.00	30,805.00	10,78,175.00
229	All refrigerant Joints and Ref Header for the system	Lot	1.00	2,36,340.00	2,36,340.00
230	Central Control System (A) Cord type remote control with thermostat, LED Display and internal wiring for Cassette, FCU & CSU	Nos.	49.00	1,575.60	77,204.40
231	(B) Central wired Remote Control System	PER HP	122.00	1,414.00	1,72,508.00
232	Supply, Installation, testing and commissioning including vaccumiazation and Nitrogen testing of following nominal sizes of soft/hard drawn copper refrigerant piping for VRV system, complete with fittings, with suitable adjustable ring type hanger supports, jointing/brazing including accessories, insulated with XPLE Class-0 tubular insulation/with Class-0 closed cell elastometric nitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquid lines, all accessories as per specifications etc with necessary refrigerant joint as required : (A) 6.4 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	Mtr.	130.00	232.30	30,199.00
233	.....(do).....(B) 9.5 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	Mtr.	120.00	317.14	38,056.80
234	.....(do).....(C.) 12.7 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	Mtr.	108.00	437.33	47,231.64
235	.....(do).....(D) 15.86 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	Mtr.	80.00	566.61	45,328.80
236	.....(do).....(E) 19 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	Mtr.	80.00	668.62	53,489.60
237	.....(do).....(F) 22.2 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	Mtr.	80.00	822.14	65,771.20

Name of Work: Construction of Girls hostel At Gujarat University , Ahmedabad.					
Schedule B					
Sr.No	Item Description	Unit	Total Qty	Rate	Total Amount
238	.....(do).....(G) 25.4 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	Mtr.	144.00	968.59	1,39,476.96
239	.....(do).....(H) 28.58 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	Mtr.	210.00	1,028.18	2,15,917.80
240	.....(do).....(I) 31.8 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation	Mtr.	206.00	1,079.69	2,22,416.14
241	.....(do).....(J) 34.9 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation	Mtr.	358.00	1,139.28	4,07,862.24
242	.....(do).....(K) 38.1 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation	Mtr.	500.00	1,173.62	5,86,810.00
243	.....(do).....(L) 41.27 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation	Mtr.	540.00	1,242.30	6,70,842.00
244	M.S.Structure for installing VRV outdoor units duly Painted with synthetic enamel paints.	Kg.	2,000.00	127.26	2,54,520.00
245	Rigid UPVC drain pipe of 10 Kg/cm2. rating with 9 mm thick.nitrile rubber insulation.A) 32 MM DIA.	Rmt	850.00	77.77	66,104.50
246	...do...B) 25 MM DIA.	Rmt	1,250.00	77.77	97,212.50
247	Testing & Commissioning Charges along with topping-up of R-410a refrigerant.	Kgs.	130.00	1,010.00	1,31,300.00
248	Supply installation testing commissioning Shielded Shielded Control Cables for VRV System with necessary ISI mark Medium class rigid PVC pipes with necessary accessories with termination in machine and control equipments..	Rmt	3,100.00	129.28	4,00,768.00
249	Supplying & fixing 50mm thick TF quality expanded polystyrene for underdeck insulation on slab/wall /shaft exposed to sun/atmosphere as per specifications.	Sqmt	950.00	356.53	3,38,703.50
250	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Copper conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cables. (A) 3 core 25 Sq. mm	Rmt	400.00	1,243.31	4,97,324.00
251	Providing and erecting required size Copper strip for earthing of H.T. OCB / ACB/ Transformer, LT panel board, Motors etc. using copper clamp.	Kg.	74.00	794.87	58,820.38
252	Providing and erecting HOT deep Galvanised iron strip wire 8 to 16 SWG.	Kg.	650.00	77.77	50,550.50
253	ELECTRICAL PANEL BOARD VRV SYSTEM IN COMPARTMENTALISED AND WEATHER PROOF CONSTRUCTION WITH COPPER BUS BAR, STAR DELTA STARTER, SFU, TPN MCB, PUSH BUTTONS, INDICATING LAMPS, A METERS, V METERS, DIGITAL LOAD MANAGER, INDICATING LAMPS, DELAY TIMERS, RYB LED LAMPS, CONTROL WIRING AND PROTECTION SYSTEM ETC.	Nos.	3.00	90,900.00	2,72,700.00
254	COST FOR COMPREHENSIVE MAINTENANCE SERVICE CONTRACT FOR 1ST YEAR DLP + 4 YEARS FOR 122 HP VARIABLE REFRIGERATION SYSTEM HVAC work Charges for Material required for Comprehensive maintenance Service Contract under DLP for Executed work of Design,Supply,Installation,Testing and Commissioning of HVAC Works at Girls Hostel, Gujarat University, Ahmedabad. For 2nd Year	Annual	1.00	3,94,304.00	3,94,304.00
255	COST FOR COMPREHENSIVE MAINTENANCE SERVICE CONTRACT FOR 1ST YEAR DLP + 4 YEARS FOR 122 HP VARIABLE REFRIGERATION SYSTEM HVAC work Charges for Material required for Comprehensive maintenance Service Contract under DLP for Executed work of Design,Supply,Installation,Testing and Commissioning of HVAC Works at Girls Hostel, Gujarat University, Ahmedabad. For 3rd Year	Annual	1.00	3,94,304.00	3,94,304.00
256	COST FOR COMPREHENSIVE MAINTENANCE SERVICE CONTRACT FOR 1ST YEAR DLP + 4 YEARS FOR 122 HP VARIABLE REFRIGERATION SYSTEM HVAC work Charges for Material required for Comprehensive maintenance Service Contract under DLP for Executed work of Design,Supply,Installation,Testing and Commissioning of HVAC Works at Girls Hostel, Gujarat University, Ahmedabad. For 4th Year	Annual	1.00	3,94,304.00	3,94,304.00
257	COST FOR COMPREHENSIVE MAINTENANCE SERVICE CONTRACT FOR 1ST YEAR DLP + 4 YEARS FOR 122 HP VARIABLE REFRIGERATION SYSTEM HVAC work Charges for Material required for Comprehensive maintenance Service Contract under DLP for Executed work of Design,Supply,Installation,Testing and Commissioning of HVAC Works at Girls Hostel, Gujarat University, Ahmedabad. For 5th Year	Annual	1.00	3,94,304.00	3,94,304.00
Total Amount					9,53,72,905.45