

Name of Work-Construction/Upgradation of Secondary Schools,BRC Bhavan,ALS Hostel, KGBV at various Location in JUNAGADH district.

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
1	Demolition and disposal of unserviceable materials with all lead and lift. (i) unreinforced concrete.	51.49	623.02	Cmt.	32079.30
2	Demolition of Brick work and stone masnoary including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. (ii) in cement mortar	38.06	562.89	Cmt.	21423.59
3	Dismantalling tiled or stone floors laid in mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.	2373.65	49.12	Smt	116593.69
4	Removing and scraping of old deteriorated plaster of any thickness from wall/RCC member including staking of serviceable material and disposal of unserviceable materials from site work with all lead and lift	6772.88	19.89	Smt	134712.58
5	Dismantling Doors / windows, ventilators etc. (wood or steel) shutters including chowkhats architraves, holdfasts and other attachments and staking all with all laead and lift. (A) Not exceeding 3.0 Sq.mt. area	45.00	192.09	Nos.	8644.05
6	Dismantling Doors / windows, ventilators etc. (wood or steel) shutters including chowkhats architraves, holdfasts and other attachments and staking all with all laead and lift. (A) Exceeding 3.0 Sq.mt. area	24.00	257.23	Nos.	6173.52
7	Removing dry or oil bound distemper by a washing and scraping and sand papering the wall and ceiling surface smooth including necessary repairs to scratches complete.	3935.08	11.53	Smt	45371.47
8	Scraping oil paint from steel and other metal surface and making the surface even (with Hand Scraping)	912.56	51.78	Smt	47252.36
9	Dismantling sanitary fittings like wash basin, Indian WC pan, European WC pan, flushing tank etc. including stacking the materials with all lead and lift	32.00	414.23	Nos.	13255.36
10	Demolition including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. (A) R.C.C work.	6.09	1082.35	Cmt.	6591.51
11	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	23.49	122.94	Cmt.	2887.86
12	Excavation for foundation for depth from 1.5 m to 3.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	135.77	136.30	Cmt.	18505.45
13	Filling with the available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering.	35.75	136.92	Cmt.	4894.89
14	Filling foundation and plinth with murrum or selected soil in layers of 20 cm. thickness inculding watering, ramming and consolidation etc. complete.	45.33	301.78	Cmt.	13679.69
15	White stone Bela mesonary block in course in foundation and plinth with stone of approved quality in cement mortar 1:6 (1 Cement :6 fine sand) including curing etc. complete	230.84	6197.97	Cmt.	1430739.39
16	White stone Bela mesonary block in course in superstructure with stone of approved quality in cement mortar 1:6 (1 Cement :6 fine sand) including curing etc. complete.For all heights and all floors.	157.23	6479.69	Cmt.	1018801.66
17	White stone Bela mesonary block work in partion wall upto 15cm thickness in cement mortar 1:4 (1 cement : 4 coarse sand) in super structure including curing etc. complete.For all floors(For Earth Quack zone)	43.56	722.30	Smt	31463.39
18	Providing & laying Cement Concrete 1:4:8 (1 Cement :4 Coarse sand :8 hand broken stone aggregates of 40mm nominal size) in plinth and curing complete including cost of formwork. (A) Foundation and Plinth - At plinth level	51.04	2769.69	Cmt.	141364.98
19	Providing and laying cement concrete 1:5:10 (1- Cement : 5- Coarse sand : 10- hand broken stone aggregates 40 mm nominal size) and curing complete including cost of formwork in (A) Foundation and Plinth	16.36	2606.92	Cmt.	42649.21

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
20	Providing & laying Cement Concrete 1:2:4 (1 Cement : 2 Coarse Sand : 4 graded stone aggregate 20 mm nominal size) & curing complete including cost of form work (A) Foundation and Plinth - Below Tie beam, Plinth protection & surface leveling work.	18.30	3805.29	Cmt.	69636.81
21	Providing and laying cement concrete flooring 1:2:4 (1-cement : 2-coarse sand : 4-graded stone aggregate 20mm nominal size) laid in one layer and finished with a floating coat of neat cement. (A) 40mm thick.	79.00	290.63	Smt	22959.77
22	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork and excluding the cost of reinforcement for reinforced concrete work in (C) Coping Vertical and horizontal for all floor (Cement Level 360 Kg)	27.44	6430.59	Cmt.	176455.39
23	Providing and laying controlled cement concrete M.250 and curing complete including the cost of formwork and Excluding the cost of reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete.(Cement Level 380 Kg)	1.22	4486.44	Cmt.	5473.46
24	Providing and laying controlled cement concrete M.250 and curing complete including the cost of formwork and Excluding the cost of reinforcement for reinforced concrete work in Plinth Beams. (Cement Level 380 Kg)	0.95	6046.67	Cmt.	5744.34
25	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork and excluding the cost of reinforcement for reinforced concrete work in (C) Beams all floor (Cement Level 360 Kg)	0.96	6774.06	Cmt.	6503.10
26	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork and excluding the cost of reinforcement for reinforced concrete work in (D) Columns, Pillars posts and struts all floor (Cement Level 360 Kg)	1.02	7065.29	Cmt.	7206.60
27	Providing I.S.I. T.M.T Bars Fe.500D steel reinforcement (ISI mark) Confirmed to IS-1786 for R.C.C.work including Cutting, bending, binding and placing in position etc. complete.For all floors	17146.01	77.29	Kg.	1325215.11
28	Providing I.S.I. C.R.S Bars Fe 500 steel reinforcement (ISI mark) Confirmed to IS-1786 for R.C.C.work including Cutting, bending, binding and placing in position etc. complete.For all floors	4986.68	88.56	Kg.	441620.38
29	Providing 10mm thick cement plaster in single coat on on brick/concrete walls & Ceilling & Soffit of stair interior plastering in cement mortar 1:4(1 cement 4 sand) watering, curing etc. complete.For all floors	892.43	155.35	Smt	138639.00
30	Providing 15mm thick cement plaster in single coat on rough or fair side of single or half brick wall for interior plastering in cement mortar 1:4(1 cement 4 sand) watering, curing etc. complete.For all floors	4522.01	221.48	Smt	1001534.77
31	20mm thick sand faced cement plaster on walls above ground level consisting of 12mm thick backing coat of cement mortar 1:3(1 cement 3 sand) and 8mm thick finishing coat of cement mortar 1:1(1 cement 1 sand) watering, curing etc.complete for any Height.	4183.97	342.41	Smt	1432633.17
32	Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials.etc complete. The rate shall be including of providing two coats of primer of approved brand and manufacturer on new wall surfaces to give and even shade including throughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	7788.10	120.26	Smt	936596.91

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
33	Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on wall surfaces to give an even shade, over and including applying one coats of Birla (White Cement based) or Asian (acrylic lapy) or equivalent and a priming coat of whitening after thoroughly brooming the surface free from mortar dropping and other foreign matter and sand paper smooth. The rate shall be including scraping and old deteriorated of existing paint.	8946.79	90.37	Smt	808521.41
34	Painting two coats (excluding priming coat) on new steel and other metal surface with synthetic enamel paint, brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.	2766.88	68.57	Smt	189724.96
35	Providing and laying 25mm thick polished Kota stone flooring/staircase treads (two pieces with three groves in front of steps) over 20mm (average) thcik base of cement mortar 1:6 (1 cement 6 coarse sand) laid over and jointed with grey cement slurry including curing, rubbing, and polishing etc. complete.	345.77	1019.39	Smt	352474.48
36	Providing & fixing average 25mm thick Double polished Kota stones for shelves in cup board, seating plat form, including curing, rubbing, polishing etc. complete. (As directed by Engineer in charge)	145.28	812.46	Smt	118034.19
37	Providing & Fixing 25mm thick double polished vertical Kotah stone for (partion)urinal as par drawing including round edge moulding etc comp. (As directed by Engineer in charge)	7.88	1357.77	Smt	10699.23
38	Providing and laying 18 mm thick mirror polished black granite stone machine cut in single piece (Max. available) in sill and jambs laid over 10 mm thick cemen mortar 1 : 3 (1 cement : 3 coarse sand) and jointed with grey cement slurry with matching pigment incl. rubbing and polishing half rounding edge both side etc. complete colour and shed as approved by architect engineer in charge. (As directed by Engineer in charge)	57.73	2061.11	Smt	118987.88
39	Providing & Laying Broken China Mosaic flooring for plain & curve surface 12mm to 20mm of broken piece of ceramic tiles or Glazed tiles (one or more colour as directed by Engg. In charge) to be laid over cement mortar bedding of CM 1:3 to plain or and slopes and to be tempered to bring mortar cream up to and colour pigment including rounding of junctions and extending them pu to 15cms along the wall and curing with bends any patterns of designs as per deawing or directions including cleaning with water and oxilic acid using 1 kg / 1 bag of water proofing materials.	1815.72	779.70	Smt	1415716.88
40	Providing cement vata (10 cm X 10 cm size) quartar round in cement mortar 1:1 including neat cement finishing, watering etc. complete Respectely plaster acitivity shall be commenced only after completion of vata work.	331.21	24.28	Rmt	8041.78
41	Providing & fixing in position mild steel door with ventilation frame 40x40x6 mm and shutter frame 35x35x5mm ,75x5 mm ms flate at lock rail,10 mm square bar in vent at10 cm c/c coverd with corrugated ms sheet 0.6 mm thick, including applying a priming coat of read lead paint including cleanicn the surface of all dirt, dust and other foreign matter (As directed by Engineer in charge& approved drawing and design etc.)	48.15	3717.92	Smt	179017.85
42	Providing & fixing in position mild steel window with ventilation frame 35x35x5 mm and shutter frame 25x25x5mm ,10 mm square bar grill at10 cm c/c coverd with corrugated ms sheet 0.6 mm thick,including applying a priming coat of read lead paint including cleanicn the surface of all dirt, dust and other foreign matter (As directed by Engineer in charge& approved drawing and design etc.)	70.47	4128.78	Smt	290955.13

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
43	Providing and fixing FRP frame size 100x50 mm and 28mm thick FRP depress panel shutter having extra reinforcement on sides & edges in Gel coat finish. The core of the shutter & frame is to be filled up with injected fire retardant grade polyurethane foam done in situ alongwith embedded wooden pieces for stiffening & also taking hinges & finitues. The whole FRP frame & shutter is to be water proof weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S hinges with necessary screws & alluminium fixtures & fastenings & fastener sleeve.	41.20	2377.76	Smt	97963.71
44	Providing and fixing window having extruded aluminum Colour Powder Coated section frame main outer size 63.50 x 38.10 x 1.95 mm(of Jindal Section no:4605,@ Wt 1.094 Kg / Rmt), horizontal two track member size 61.85 mm x 31.75 mm x 1.20mm (of Jindal Section no: 8687 @ wt.of 0.695 Kg/mt), vertical member of size 61.85 mm x 31.75mm x 1.30 mm (of Jindal Section no:8758 @ wt.of 0.0.659 Kg/mt) with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm (of Jindal Section no:8949 @ wt.of 0.456Kg/mt), vertical member of size 40mm x 18mm x 1.29mm (of Jindal Section no:8947 @ wt.of 0.456Kg/mt/ Section 8948, @ Wt. 0.457 Kg/mt) with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window.	97.91	1713.70	Smt	167788.37
45	Steel work, M.S Grill, welded in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of read lead paint. (A)In beams and joists, channels angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins conneted to common rafters and the like	270.60	91.08	Kg.	24646.25
46	Providing & fixing G.I rain water Spout of 65mm dia and 60cm length.	63.00	717.46	Nos.	45199.98
47	Painting of logo on front side wall as directed by Engineer in charge and as per approved drawing.	15.00	429.65	Smt	6444.75
48	Providing and laying white glazed tiles 6mm thick in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement.	167.06	868.55	Smt	145099.96
49	Providing and laying white glazed tiles 6mm thick in skirting, riser of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3 coarse sand) and jointed with white cement slurry.	171.62	1127.48	Smt	193498.12
50	Providing and fixing Chicken mesh jali (22 gauge) 15cm wide at the junction of 2 different surfaces of different material component at the time of plastering to prevent cracking in plaster surface as and where directed at all floors with all leads and lifts etc.complete.	490.00	38.77	Rmt	18997.30
51	Providing & Fixing Green board(2400mm x 1200mm) with soft board(1200mm x 1200mm) on wall as per the drawing & design etc. complete.	7.00	10352.50	Nos.	72467.50

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
52	Providing & laying Sandwich platform of maximum 700mm width : a) Sandwich type platform of top stone as 18 mm thick Granite of approved shade and sample and bottom stone as 25 mm thick single side polished kota stone with 25 mm thick screed of cement mortar 1:4 in between two stones. The stone shall be fixed by chasing in to the wall surface and providing necessary MS supports of 50x50x6mm Angle or "T" (hot dip galvanised) and embedded in between the two stones etc as per the drawing / specification and / or as instructed of EIC complete and b) 75 mm raised platform (Otli) at floor level with polished kota laid on 50mm screed of (1:2:4) and skirting of kota stone as per design and approved sample. The rate includes rounding, champhering and mirror polishing of edges, facias of granite, MS supports, all material labour and wastage, as per drawing, including necessary bonding adhesive (if required) of Araldite or equivalent. Rate shall be also inclusive of making holes & cutouts for SS sink, Oval wash basin, Piller tap / Bib tap etc. as directed by engineer in charge. (Only finished single side granite work shall be measured & paid for). (As directed by Engineer in charge& approved drawing and design etc.)	3.60	4246.68	Smt	15288.05
53	Providing and fixing in position collapsible steel shutters with vertical channels 20 x 10 x 2 mm braced with flat iron diagonals 20 x 5 mm size with top and bottom rails of T_rin 40x 40 x 6 mm with 38mm dia, steel pulleys complete with bolts,nuts, locking arrangements,stoppers handles including applying a priming coat of red lead paint.	18.75	61.17	Smt	1146.94
54	Providing and fixing pre-cast Rubber Dye / steel Dye inter locking concrete block 60mm thick with grade of concrete M300 pneumatic compressed / vibrated mechanically and as per approved design Confirming to IS 15658 : 2006 including 35 mm Sand layer for levelling and filling the joint with sand in proper line and level as per guidlines of IRC : SP 63-2018 etc. Complete.	100.00	706.93	Smt	70693.00
55	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30 cm length, 30cm height and 15cm thick of M250 grade concrete as per aprooved design and including excavation for fixing in proper line and level, filling the joint with C:M 1:3 (1 Cement : 3 Fine sand) etc. complete (upto 10 ton).	40.00	374.92	Rmt	14996.80
56	Providing and fixing 0.90 meter high fencing with 1.20 meter long M.S. Angle posts 40 mm. X 40 mm. X 6 mm. And oil painting 3 coats fixed at 2.5 mt. C/c with Three horizontal lines and two diagonals of galvanised steel barbed wire weighing 9.38 Kg. Per 100 meter, strained and fixed to posts with G.I. staples, including fixing posts in compound wall	180.00	272.52	Rmt	49053.60
57	Provoding and supplying small dust bin (Green,Blue,Red,Black yellow,) 7 Litres as directed by Engineer in charge, Approve Make- Cello, Aristo, Nayasa	15.00	333.30	Nos.	4999.50
58	Provoding and supplying big dust bin (Green,Blue,Red,Yellow) 20 Litres as directed by Engineer in charge Approve Make- Cello, Aristo, Nayasa	16.00	499.95	Nos.	7999.20
59	Provoding and supplying big dust bin (Green,Blue,Red) 50 Litres as directed by Engineer in charge Approve Make- Cello, Aristo, Nayasa	4.00	611.05	Nos.	2444.20
60	Providing and Fixing 5mm thick Acrylic Name Plate for dark zink glare with braille lippi and fixing with double sided bonding tap and screws as per direction of Engineer in charge of Size having 12' X 4 ' etc. compl.	30.00	484.80	Nos.	14544.00
61	Providing and Fixing 5mm thick Acrylic Name Plate for dark zink glare with braille lippi and fixing with double sided bonding tap and screws as per direction of Engineer in charge of Size having 12' X 18 ' etc. compl.	7.00	2181.60	Nos.	15271.20

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
62	Providing and laying tactile tile (for vision impaired persons as per standards) of size 300x300x15 mm having with water absorption less than 0.5% and conforming to IS:15622 of approved make in all colours and shades in for outdoor floors such as footpath, court yard, multi modals location etc., laid on 20mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) in all shapes & patterns including grouting the joints with white cement mixed with matching pigments etc. complete as per direction of Engineer-in-Charge.	10.00	1851.14	Smt	18511.40
63	Providing and fixing Red Agra stone takti of size 600*600*12 to 15 mm having with approved SOE LOGO Letter and in ivory colour with water based sealant coating finishing on wall in cement mortar 1:3 (1 cement : 3 coarse sand) in all shapes & patterns including grouting the joints with white cement mixed with matching pigments etc. complete as per direction of Engineer-in-Charge.	3.00	3175.76	Nos.	9527.28
64	Painting two coats (including priming coat) on new steel and other metal surface with synthetic enamel paint, brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.	6.77	68.57	Smt	464.22
65	Construction of a soak well of as per the approved drawing & design etc.in all sort of soil complete as directed and approved by engineer incharge.(The internal In-to-in dimension shall be considered for calculation)	18.24	5946.13	Cmt.	108457.41
66	Construction of a septic tank as per the approved drawing & design etc.in all sort of soil complete as directed and approved by engineer incharge. (The internal In-to-in dimension shall be considered for calculation)	43.20	5548.74	Cmt.	239705.57
67	RCC GSR (description of item for turnkey tender) Preparing structural design of RCC Under Ground / Partially under ground / above high ground level Reservoir of required capacity as per relevant I.S.s and constructing the same, including excavation in all types of soil strata (including rock) including shoring strutting if required, for loose soil / to protect from collapse due to near by traffic load, casting 100 mm thick P.C.C. leveling course in M-10, Refilling the pit with proper soil and disposing of the surplus stuff within a lead of 50 meters. Including cement plaster in CM 1:2 with approved water proofing compound to inside water touching surface to container. Including all types of labour and material charges of lowering, laying, erecting / hosting and jointing of pipe assembly to inlet, outlet overflow, washout and bye pass arrangement as per hydraulic design. Providing and fixing accessories like MS / GI Ladder, CI Manhole frame and cover, water level indicator, adequate cowl type ventilators or lantern type ventilator with stainless steel jail. B.B. Masonry chambers for valves. Providing and applying three coats of cement paint / snowcem to the out side face of structure. It also includes satisfactory water tightness test as per relevant I.S. code and painting name of scheme and capacity on the tank as per direction of engineer in charge. List of Indian Standards for Design of GSR / SUMP:-The structural design of GSR shall be in accordance with provisions relevant I.Ss. (1) I.S. 3370 part I & II 2009 or latest revised (1.1) I.S. 3370 part III & IV 1965 or latest revised (2) I.S. 456 – 2000 or latest revised. (3) I.S. 1893 – 2000 – 1984 or latest revised. (4) I.S. 875, Part – 1 to 3, 1987 or latest revised. General Specifications:- (1) Water depth in container shall be adopted as per data of tender. If water depth is not specified the suitable water depth / acceptable to field engineer in accordance with hydraulic requirement shall be adopted for capacity. (2) Shape of container (in plan) specified by in data shall be adopted in absence of data shall be adopted. (3) Size shall be fixed as per	10000.00	6.32	liter	63200.00
68	Providing and fixing washbasin with single hole for pillar tap with M.S. brackets painted white including cutting holes and making good the same but excluding fittings.(A) Vitreous China:(ii) Flat Back washbasin 550 mm x v 400mm size. (i) In white colour including CP Brass west , MI Fisher union and Pillat tap	11.00	2172.16	Nos.	23893.76

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
69	Construction of ICN Chamber as peras directed and approved by engineer incharge.	1.00	4273.62	Nos.	4273.62
70	Providing and fixing screw down bib taps of following size.(B) Brass chromium plated screws down Bib Tap. (i) 15mm dia.	110.00	186.83	Nos.	20551.30
71	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.	14.00	3175.32	Nos.	44454.48
72	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) (seat cover,Jet spray & Flush Tank to be measured Including) (A) Vitreous China (I) Long pattern white as directed and approved by engineer incharge.	2.00	2244.31	Nos.	4488.62
73	Providing and fixing water closet squatting pan (Indian type W.C pan) size 580 mm (earthwork, bed concrte, foot rests,Flush Cock and trap to be measured and including paid) (A) Vitreous China (I) Long pattern white as directed and approved by engineer incharge.	13.00	1436.33	Nos.	18672.29
74	Providing erecting and fixing double coated ISI water tank of required capacity each with all necessary fittings and connection etc. complete on terrace	11000.00	3.95	liter	43450.00
75	Providing & fixing UPVC ball valve(A) 40mm dia.	8.00	1687.71	Nos.	13501.68
76	Providing & fixing UPVC ball valve(A) 25mm dia.	10.00	650.84	Nos.	6508.40
77	Providing & fixing UPVC ball valve(A) 15mm dia.	10.00	440.56	Nos.	4405.60
78	Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight.(i) Square mouth traps.(B) 150mm x 100mm size P or R type	12.00	1292.19	Nos.	15506.28
79	Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 75 mm diameter with jali of the following nominal diameter of self cleansing design with C.I scread down or hinged grating including the cost of cutting and making good the walls.	25.00	574.58	Nos.	14364.50
80	Providing & erecting open well horizontal mono block pump set with cast iron body, compete for three phase submersible motor having (A) For 1.5 HP 3 phase open well horizontal mono block pump set suitable for 190 LPM @ 20 mtr head suitable for 40 mm dia delivery pipe.	1.00	11332.20	Nos.	11332.20
81	Providing & fixing 110mm dia PVC cowl vent to pipes.	4.00	19.70	Nos.	78.80
82	Providing & fixing 75mm dia PVC cowl vent to pipes.	4.00	30.81	Nos.	123.24
83	Providing and fixing C.I. Manhole cover 0.60 M. x 0.45M. size having weight not less than 35Kg.	10.00	958.17	Nos.	9581.70
84	Providing laying and jointing in true line and level 40mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	232.00	148.12	Rmt	34363.84

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
85	Providing laying and jointing in true line and level 25mm dia.U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	320.00	91.84	Rmt	29388.80
86	Providing laying and jointing in true line and level 15mm dia.U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	132.00	72.65	Rmt	9589.80
87	Providing & fixing to wall ceiling and floor 6.0 kg F/cm2 working pressure PVC pipes of the following out side dia. Special density complete with special flange compression type fitting,wall clips etc. including making good the wall ceiling and floor.(G) 160 mm dia	70.00	580.75	Rmt	40652.50
88	Providing & fixing to wall ceiling and floor 6.0 kg F/cm2 working pressure PVC pipes of the following out side dia. Special density complete with special flange compression type fitting,wall clips etc. including making good the wall ceiling and floor.(G) 110 mm dia	110.00	275.73	Rmt	30330.30
89	Providing & fixing to wall ceiling and floor 6.0 kg F/cm2 working pressure PVC pipes of the following out side dia. Special density complete with special flange compression type fitting,wall clips etc. including making good the wall ceiling and floor.(F) 75 mm dia	187.00	133.32	Rmt	24930.84
90	Providing and fixing chromium plated brass half trun flush cock of approved quality including fixing in pipe line etc. complete..[ii] 25 mm	10.00	263.77	Nos.	2637.70
91	Providing and laying 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	771.11	1120.36	Smt	863920.80
92	Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length , in below type of pipe erected with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed.(e) in existing pipe erected flushed on wall/ceiling complete Cat III	89.00	350.47	Pt.	31191.83
93	Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected with 6A Modular type switch and hum free EME step type electronic fan regulator mounted and accessories with earth continuity of following type erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D.Connector as directed.(e) in existing pipe erected flushed on wall/ceiling complete,Cat. III	104.00	489.85	Pt.	50944.40

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
94	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic/Wooden box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.[I] For 6A Plug and 6 a switch with 2-1.5 sq.mm Cu. Wire from nearby switchboard/mcb db board(e) in existing pipe erected flushed on wall/ceiling complete,Cat. III	79.00	364.61	Pt.	28804.19
95	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic/Wooden box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.[II] For 16A Plug and 16 amp switch with 2-2.5 sq.mm Cu. Wire from mcb db board.(e) in existing pipe erected flushed on wall/ceiling complete,Cat. III	40.00	499.95	Pt.	19998.00
96	Point wiring for on board Looped Plug with 6A Modular type switch & 5 pin socket erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate modules erected on / in wall / ceiling with following type accessoriesCat. III	54.00	241.39	Pt.	13035.06
97	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge.(10) 6/16Amp. Universal socket	20.00	190.89	Nos.	3817.80
98	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge.(7) Blank Plate Single,Cat.III	37.00	24.24	Nos.	896.88
99	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge.(8) Computer RJ-45 socket ,Cat.III	5.00	153.52	Nos.	767.60
100	Providing and erecting ISI mark embossed Medium class RIGID PVC PIPES (F.R.L.S.)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 (a) 20 mm	1285.00	23.23	Rmt	29850.55
101	Providing and erecting ISI mark embossed Medium class RIGID PVC PIPES (F.R.L.S.) 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	385.00	32.32	Rmt	12443.20
102	Providing & erecting PVC Corrugated Flexible Conduit with required nos. of coupling, PVC bushes, Check-nuts etc. complete of following sizes.(2) 25 mm	201.00	20.20	Rmt	4060.20
103	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size,(E) in existing pipe.(a) 2 wire 1.5 sq. mm	485.00	44.44	Rmt	21553.40

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
104	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size,(E) in existing pipe,(b) 2 wire 2.5 sq. mm	1275.00	59.59	Rmt	75977.25
105	providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected in / on wall / ceiling with 2.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size,(E) in existing pipe,(a) 2 wire 4 sq. mm	340.00	82.82	Rmt	28158.80
106	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/ aluminium die cast powder coated and high U.V. & corrosion resistance with diffuser with company mark/name 160V to 270V, Power Factor more than 0.95, THD < 15%, CCT 3000 K to 6500K, Luminaire efficacy> 85 lumens/watt ,LED LED driver efficiency > 85 % (fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.), (A) Tube Light with integral driver,(ii) 20 Watts, Surge - 2KV, IP-20, conventional 4 feet, Cat-III	70.00	295.93	Nos.	20715.10
107	Supplying and erecting led lamps with following wattage capacity of 220 to 240 voltage, minimum 15000 burning hours life, 500 V in built-surge protection, Polycarbonate diffuser, mounting suitable for E14 / E27 / B22 lamp holders, pf >= 0.5(A) LED Lamps integral type, with PC diffuser suitable LAMP holder,(ii) 8 watts ,Cat-III	10.00	112.11	Nos.	1121.10
108	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for (B) three phase incoming and single phase horizontal type outgoing Per phase isolation type (PPI) (b) sheet steel double door,(ii)6 way	17.00	2913.85	Nos.	49535.45
109	providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on single phase 240 V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed (i) 25 Amps.DP Cat-III	34.00	1969.50	Nos.	66963.00
110	Providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on 3 phase and neutral 415V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component for following Max. rating erected as directed.,(ii) 40Amps. FP , Cat. III	17.00	2637.11	Nos.	44830.87

Item No.	Description Of Item	Quantity	Rate	Unit	Amount
111	Supplying & erecting in earthpit of minimum bore dia. 225mm size approved make Safe Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free hot dipped G.I.Pipes having Outer pipe dia of 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 with chamber and heavy duty cover.(approved make OEM has to submit test certificate including value of earth resistance of installation.(a) For Electrical Installation up to 440V in normal soil Length of pipe - 1 Mtr Back filling compound - 1 Nos Bag of 15 Kg.	1.00	4591.46	Nos.	4591.46
112	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.	60.00	46.46	Rmt	2787.60
113	Supplying following size of Light duty "A" Class G.I . Pipe & erecting as directed by Engineer-in-charge. (B) 50 mm dia	30.00	300.98	Rmt	9029.40
114	Providing & laying approved make Double walled corrugated pipes (DWC) of polyethylene(conforming to IS 14930 II)with necessary connecting accessories of same material at required depth in existing trench for laying of cable. below ground / road surface for enclosing cable (C)90 mm outer dia	30.00	95.95	Rmt	2878.50
115	Providing & erecting Approved make Power Saving 50 Watt Ceiling Fan with double ball bearing ISI mark with Condenser 230 volt A.C. 50 Hz 1200 mm sweep complete having 3blades with aluminium blades with , canopy & 30 cm. down rod erected with earthing.(Make shall be approved by Engineer in charge))	104.00	1948.29	Nos.	202622.16
116	Supplying and erecting 19 / 20 mm. nominal bore Medium Class M.S. Pipe down rod erected duly painted for fan complete with proper insulation without leakage and earthing.	30.80	108.07	Rmt	3328.56
117	Supplying & erecting fan hook box of 10 mm M.S. round bar bounded to the RCC bars up to 50mm length each side and pierced through a 16 Gauge M.S. box / Heavy Duty PVC box complete erected concealed in Ceiling with necessary finishing.	104.00	108.07	Nos.	11239.28
118	Supplying rubber matting of following thickness as per IS:15652/IEC 61111 (b)4mm	824.47	1027.17	Smt	846870.85
				Total Rs. :	16466898.38
				SAY :	16466900

I/We am/are willing to carry out the work at.....% above/below percent
(Should be written in figures and words) of the estimated rate mentioned above.
Amount of my /our tender works out as under.

Estimated amount put to tender
Deduct..... % below
Net
In words

Estimated amount put to tender
Deduct..... % Above
Net
In words