

Detail Notice inviting Tender

Name of work - Extension of Girl's Hostal

Estimated Cost - Rs. 10501266-00
 Earnest Money - Rs. 210025-00

SR. No.	H.S.R. Item No.	Description	Unite	Quantity	H.S.R. Rate 1988	Contractor Rate
1	6.06	Earth work in excavation in foundations, trenches, etc.in all kinds of soils, not exceeding 2 metres depth including dressing of bottom and sides of trenches surplus soil, as directed within a lead of 30 metres	Per 100 cum	227.834	1108.10	
2	10.26	Cement Concrete 1:8:16 with brick ballast 40mm nominal size in foundation and plinth.	cum	33.271	300.20	
3	10.79+10.95 (a)	Reinforced Cement Concrete Cement concrete 1:1.5:3 with stone aggregate 20 mm nominal size for reinforced concrete work but excluding steel-reinforcement centring and shuttering in foundation and plinth.	cum	16.002	711.90	
4	11.1	Brick Work in Cement Mortar First class brickwork laid in cement sand mortar 1:7 in foundation and plinth.	cum	69.325	382.15	
5	10.79+10.95 (a)	Reinforced Cement Concrete Cement concrete 1:1.5:3 with stone aggregate 20 mm nominal size for reinforced concrete work but excluding steel-reinforcement centring and shuttering in foundation and plinth.	cum	9.151	711.90	
6	6.13 (a)	Earth filling under floors with surplus soul, excavated from foundation and taken foundation and taken only from outside the building plinth, in 15 cm layers including ramming watering and consolidating lead upto 30 metres	Per 100 cum	40.154	343.40	
7	5.2 (b)	Carriage of materials (metalled roads), lead more than 0.48 Km. excluding loading, unloading and stacking (Earth work)	cum	80.300	21.00	
8	10.86+10.95 (a)	Cement concrete 1:2:4 with stone aggregate 20 mm nominal size for reinforced concrete work for walls exceeding 20cm thickness (straight and curved) beams, girders, stairs, columns (square or rectangular) battens and lintels etc. excluding steel reinforcement but including centring and shuttering, laid in position, complete in all respects.	cum	10.433	1188.75	

9	11.6	First class brick laid in cement sand mortar 1:7 in first storey upto 4 meters above plinth level. (Ground Floor 0.23 th. Wall)	cum	63.200	403.15	
10	11.48 (b)	11.43 cm thick brick wall laid in cement sand mortar 1:3 in superstructure. (Ground Floor 0.115 th. Wall)	Sq.m.	151.480	59.40	
11	11.6	First class brick laid in cement sand mortar 1:7 in first storey upto 4 meters above plinth level. (First Floor 0.23 th. Wall)	cum	63.530	411.35	
12	11.48 (b)	11.43 cm thick brick wall laid in cement sand mortar 1:3 in superstructure. (First Floor 0.115 th. Wall)	Sq.m.	145.190	67.60	
13	11.6	First class brick laid in cement sand mortar 1:7 in first storey upto 4 meters above plinth level. (Second Floor 0.23 th. Wall)	cum	63.530	419.55	
14	11.48 (b)	11.43 cm thick brick wall laid in cement sand mortar 1:3 in superstructure. (First Floor 0.115 th. Wall)	Sq.m.	131.590	75.80	
15	10.86+10.95 (a)	Cement concrete 1:1.5:3 with stone aggregate 20 mm nominal size for reinforced concrete work for walls exceeding 20cm thickness (straight and curved) beams, girders, stairs, columns (square or rectangular)battens and lintels etc. excluding steel reinforcement but including centring and shuttering, laid in position, complete in all respects.(Ground Floor)	cum	41.790	1188.75	
16	10.86+10.95 (a)	Cement concrete 1:1.5:3 with stone aggregate 20 mm nominal size for reinforced concrete work for walls exceeding 20cm thickness (straight and curved) beams, girders, stairs, columns (square or rectangular)battens and lintels etc. excluding steel reinforcement but including centring and shuttering, laid in position, complete in all respects.(First Floor)	cum	13.795	1196.05	
17	10.86+10.95 (a)	Cement concrete 1:1.5:3 with stone aggregate 20 mm nominal size for reinforced concrete work for walls exceeding 20cm thickness (straight and curved) beams, girders, stairs, columns (square or rectangular)battens and lintels etc. excluding steel reinforcement but including centring and shuttering, laid in position, complete in all respects.(Second Floor)	cum	13.795	1203.35	

18	10.82+10.95 (a)	Reinforced Cement Concrete Cement concrete 1:1.5:3 with stone aggregate 20 mm nominal size for reinforced concrete work in slabs with inclination not exceeding 25 degree with horizontal, excluding steel reinforcement, but including centring and shuttering, laid in position complete in all respects. (Ground Floor)	cum	33.410	1084.80	
19	10.82+10.95 (a)	Reinforced Cement Concrete Cement concrete 1:1.5:3 with stone aggregate 20 mm nominal size for reinforced concrete work in slabs with inclination not exceeding 25 degree with horizontal, excluding steel reinforcement, but including centring and shuttering, laid in position complete in all respects. (First Floor)	cum	33.410	1092.10	
20	10.82+10.95 (a)	Reinforced Cement Concrete Cement concrete 1:1.5:3 with stone aggregate 20 mm nominal size for reinforced concrete work in slabs with inclination not exceeding 25 degree with horizontal, excluding steel reinforcement, but including centring and shuttering, laid in position complete in all respects. (Second Floor)	cum	33.410	1099.40	
21	15.52	10 mm thick cement plaster 1:4 (Ground Floor)	Sq.m.	254.270	12.65	
22	15.52	10 mm thick cement plaster 1:4 (First Floor)	Sq.m.	254.270	12.83	
23	15.52	10 mm thick cement plaster 1:4 (Second Floor)	Sq.m.	254.270	13.01	
24	15.7	12 mm thick cement plaster 1:6 (Ground Floor)	Sq.m.	882.75	10.65	
25	15.7	12 mm thick cement plaster 1:6 (First Floor)	Sq.m.	882.75	10.83	
26	15.7	12 mm thick cement plaster 1:6 (Second Floor)	Sq.m.	882.75	11.01	

27	18.34(a)	Pressed steel sheet frames (chowkats), consisting of 2 mm thick steel sheet of the specified section, including iron lugs (hold fasts), iron hinges, conforming to P.W.D. specifications, including bolts for fixing stops, lock notch, provision for receiving tower bolts, and finished with one coat of ready-mixed paint red lead non-setting primer, of approved quality, fixed in position including the cost of cement concrete 1:3:6 for filling in the frame, and cement concrete 1:3:6 for lugs complete: - (a) door and window frame of size 89 mm X 50 mm with 40 mm wide single rebate	metre	666.440	71.55	
28	14.1	Base course of floors consisting of 100 mm thick cement 1:8:16 and 100 mm sand or stone filling. (Ground Floor)	Sq.m.	257.600	36.95	
29	14.6	Screed of 40 mm thick cement concrete 1:8:16 to be laid below the topping. (F. Floor)	Sq.m.	245.860	12.65	
30	14.6	Screed of 40 mm thick cement concrete 1:8:16 to be laid below the topping. (S. Floor)	Sq.m.	245.860	12.95	
31	14.62	Kotah stone flooring 34 mm to 40 mm thick in any pattern as specified over 12 mm thick base of cement coarse sand mortar 1:3 laid and jointed with neat cement slurry mixed with pigment to match the shade of	Sq.m.	343.140	201.95	
32	14.25(a)	Terrazzo topping rubbed and polished to a granolithic finish under layer 34 mm thick cement concrete 1:2:4 and top layer as specified below: - (a) With grey Cement (i) 40 mm thick with top layer 6 mm thick with white marble Makrana/ Narnaul chipping of size 1 mm to 4 mm laid in cement marble powder mix in the ratio of 3:1 (3 parts of cement and one part of marble powder) by weight in proportion of 4:7 (4 parts of cement marble powder mix: 7 parts of white marblechips) by volume complete. (Ground Floor)	Sq.m.	163.470	73.20	

33	14.25(a)	Terrazzo topping rubbed and polished to a granolithic finish under layer 34 mm thick cement concrete 1:2:4 and top layer as specified below: - (a) With grey Cement (i) 40 mm thick with top layer 6 mm thick with white marble Makrana/ Narnaul chipping of size 1 mm to 4 mm laid in cement marble powder mix in the ratio of 3:1 (3 parts of cement and one part of marble powder) by weight in proportion of 4:7 (4 parts of cement marble powder mix: 7 parts of white marblechips) by volume complete. (F. Floor)	Sq.m.	178.770	73.50	
34	14.25(a)	Terrazzo topping rubbed and polished to a granolithic finish under layer 34 mm thick cement concrete 1:2:4 and top layer as specified below: - (a) With grey Cement (i) 40 mm thick with top layer 6 mm thick with white marble Makrana/ Narnaul chipping of size 1 mm to 4 mm laid in cement marble powder mix in the ratio of 3:1 (3 parts of cement and one part of marble powder) by weight in proportion of 4:7 (4 parts of cement marble powder mix: 7 parts of white marblechips) by volume complete. (S. Floor)	Sq.m.	178.770	73.80	
35	14.66	Kotah stone 20 mm thick in skirting risers of steps, dados and wall facing (lining) and pillars laid on 12 mm thick cement coarse sand plaster 1:3 laid and jointed with neat cement slurry, mixed with pigment to match the shade of stone including rubbing and polishing including labour for fixing cramps dowels and pins etc. (Ground Floor)	Sq.m.	114.200	201.95	
36	14.66	Kotah stone 20 mm thick in skirting risers of steps, dados and wall facing (lining) and pillars laid on 12 mm thick cement coarse sand plaster 1:3 laid and jointed with neat cement slurry, mixed with pigment to match the shade of stone including rubbing and polishing including labour for fixing cramps dowels and pins etc. (F. Floor)	Sq.m.	98.900	202.25	

37	14.66	Kotah stone 20 mm thick in skirting risers of steps, dados and wall facing (lining) and pillars laid on 12 mm thick cement coarse sand plaster 1:3 laid and jointed with neat cement slurry, mixed with pigment to match the shade of stone including rubbing and polishing including labour for fixing cramps dowels and pins etc. (S. Floor)	Sq.m.	98.900	202.55	
38	17.93 (a)	Factory manufactured solid flush door shutters, with block board core as per I.S.No.1659-1969 bonded with water proof type phenol formaldehyde synthetic resin, hotpressed, conforming to I.S.2202 part I and II, fixed in position, including iron hinges, screws, chocks/cleats and stops etc. (excluding the cost of any fittings other than specified above, but including labour for fixing the same in position)- (a) commercial veneering with vertical grains or cross bands and face veneer on both sides commercial facing with laminated core and lipped edges.) (i) 25 mm thick	Sq.m.	112.727	399.00	
39	17.90(a)	Factory manufactured panelled door or glazed window, shutters of commercial hard wood, such as hollock, champ, chikrassy and chaplash, etc., (non-coniferous timber other than teak, conforming to I.S. specification No.1003, kiln-seasoned), with 100 mm wide verticle styles, 150 mm wide lock rail, 200 mm wide bottom rail and 100 mm wide other rails, with panels of 15 mm thick, tongued and grooved of commercial hard wood and including cost of iron hinges, screws, chocks/cleats, stops, nails etc., complete, fixed in position (excluding the cost of any fittings, other than specified above, but including labour for fixing the same in position). (a) 30 mm thick	Sq.m.	103.68	410.00	

40	14.26(a)i	Terrazzo Skirting or dado or on wall face rubbed and polished to a granolithic finish under layer 12 mm thick cement coarse sand plaster 1:3 and top layer as specified below. (a) with grey cement (i) 18 mm thick with top layer 6 mm thick with white marble Makrana / Narnaul chipping of size 1 mm to 4 mm laid in cement marble powder mix in the ratio of 3:1 (3 parts of cement and one part of marble powder) by weight in proportion of 4:7 (4 parts of cement marble powder mix : 7 parts of white marble chips) by volume complete.	Sq.m.	77.85	71.00	
41	13.43	Providing and embedding 100 mm dia H.C.I. rain water without ears I.S.I.mark pipe in cement mortar during masonry work	RM	78.000	93.35	
42	13.50	Top khurra 0.6 m x 0.6 m for rain water pipe in 25 mm thick cement concrete 1:2:4 over 50 mm thick cement concrete 1:8:16 Khurras 8 No.	Nos.	8.000	12.30	
43	16.52	Preparation of plastered surface for oil bound distemper including sand papering the surface, applying one coat of linseed oil, and filling with approved quality filler, consisting of white lead, linseed oil, varnish and chalk miti including finishing the surface to the required finish complete. (G.F. + F.F. + S.F.)	Sq.m.	1906.280	11.15	
44	16.61	Finishing walls with exterior decorative cement based paints such as snowcem,Robbiacem etc. on new work, two coats to give an even shade.	Sq.m.	741.970	7.25	
45	16.2	Applying pink primer or aluminium priming ocat on wood work including preparation of surface, Knotting and stopping etc.	Sq.m.	225.454	3.60	
46	16.3	Painting two coats excluding priming coat with synthetic enamel paint in all shades on new wood work or matallic or plastered or concrete surfaces to give an even shade.	Sq.m.	225.454	9.40	
47	18.22	Cold twisted deformed (ribbed/ or steel) bars for R.C.C. works, where not included in the complete rate of R.C.C. including bending, binding and placing in position complete.	Quintal	185.329	917.05	
48	18.26	Providing and fixing bright finished brass peg-stay 300 mm long of minimum weight 330 grams to side hung steel windows including fixing the same with necessary iron bolt and nut etc., complete	Nos.	96.000	18.90	

49	17.70 (a)	Cost of brass fittings complete for doors and windows, such as tower bolts, handles, etc, and screws for these fittings (excluding sliding bolt) for single leaf	Sq.m.	112.727	38.55	
50	11.7	First class brickwork laid in cement sand mortar 1:6 in first storey upto 4 meters above plinth level.	cum	7.835	417.30	
51	13.13	Terracing consisting of tiles 22.86 cm X 11.43 cm X 3.81 cm laid over 87.50 mm mud filling on a layer of 25 mm mud plaster and on other layer of mud mortar for laying the tiles, including two coats of bitumen laid hot at 1.65 Kg per sqm on top of R.C.C. slab including grouting with cement sand mortar 1:3 and top surface to be left clean etc.	Sq.m.	267.842	55.95	
52	18.12	Wrought iron and mild steel (using angles, flats, square bars, tees and channels) ladders, grills, grating frames, window guards, iron doors	Quintal	12.332	1040.35	
53	17.14 (e)	Planking Deodar planking, planed on both sides, rebated and fixed in position, including nails and screws, etc., 25 mm thick.	Sq.m.	341.214	344.00	
54	17.20 (ii)	Deodar wood cup board shutters (excluding chowkat) with commercial plywood panels or faced on one side including iron hinges and screws fixed in position (excluding the cost of handles, tower bolts and hasps with staples, but including the labour for fixing the same). (ii) 25 mm thick	Sq.m.	139.461	261.70	
55	14.78 (b)	Providing and fixing glass strips, 3 mm thick in floors 32 mm wide (b)	meter	784.550	2.30	
56	18.32	Wire gauge of 140 G or 120 G designation fixed on steel windows of standard rolled steel section, with 3 mm thick flat iron cover moulding of 12.5 mm width, fixed with machine, screws welded complete in all respects.	Sq.m.	103.680	99.10	
57	14.48(a)ii	Glazed tiles (a) ii White glazed tiles 10 cm x 10 cm, 5 mm thick in skirting and dado on 12 mm thick cement coarse sand plaster 1:3 in base and jointed with white cement slurry in joints, including bevelled corners.	Sq.m.	314.220	231.20	
SANITARY						

58	30.84 (a)	PROVIDING AND FIXING IN POSITION H.C.I.SOIL WASTE VENT OR ANTISYPHONAGE PIPES TO I.S.I. SPECIFICATION OF E.L.C. MANUFACTURE OR OF ANY OTHER REPUTED FIRM INCLUDING CUTTING AND WASTAGE ETC. AND CUTTING HOLES IN WALLS, ROOFS OR FLOOR ETC.AND MAKING GOOD to its original condition BUT EXCLUDING COST OF LEAD JOINTING. (100 mm internal diameter)	Per M.	298	97.50	
59	30.84(b)	75 mm internal diameter	Per M.	254	83.00	
60	30.87	PROVIDING LEAD CAULKED JOINTS TO H.C.I.PIPES AND SPECIALS CONFORMING TO I.S.I.SPECIFICATION OF E.L.C.MANUFACTURE OR ANY OTHER REPUTED FIRM INCLUDING COST OF LEAD YARN, FUEL AND TOOLS ETC., 100 mm internal dia 1.13 kg (a) 100 mm internal diameter (1.13 kg)	Per Nos.	77	33.50	
	30.87 (b)	75 mm internal diameter (0.91 kg)	Per Nos.	82	27.50	
61	30.91	PROVIDING AND FIXING IN POSITION H.C.I.SPECIALS FOR SOIL, WASTE, VENTOR ANTI-SYPHONAGE PIPES TO I.S.I MARKED INCLUDING cutting and wastage etc., CUTTING HOLES IN WALLS ROOFS OR FLOORS ETC, AND MAKING GOOD to its original condition BUT EXCLUDING COST OF LEAD JOINTING				
	30.91 (a)	FGR 100 MM I/D PIPES. (i) Heal test bend	Per Nos.	9	58.00	
		(v) Double junction plain 100 mm x 100 mm x 100	Per Nos.	6	88.50	
		(xvi) Cowls	Per Nos.	4	36.50	
		(xxi) P or S trap without vent	Per Nos.	18	27.50	

62	30.114	PROVIDING AND FIXING IN POSITION GULLY TRAPS FIXED IN CEMENT CONCRETE 1:4:8 complete WITH H.C.I. GRATING 150 MM X 150 MM CAST IRON COVER WEIGHING APPROXIMATELY 7.26 K.G. AND FRAME CLEAR OPENING 300 MM x 300 MM and outside size 330 MM x 330 MM AND CHAMBER INCLUDING cost of all brick work in CEMENT MORTAR 1:5 CEMENT CONCRETE 1:8:16 IN FOUNDATIONS, AND CEMENT CONCRETE 1:2:4 IN COPING around C.I. cover and frame etc. WITH THREE AS PER STANDARD DESIGN, minimum depth of water should be 150mm with a minimum seal 50mm.				
		(b) 100 mm internal diameter H.C.I. gully trap	Per Nos.	8	208.00	
63	10.41	Cement Concrete 1:2:4 with stone aggregate 20mm nominal size in foundation and plinth.	cum	0.84	615.60	
64	10.59	Cement Concrete 1:2:4 with stone aggregate 20mm nominal size in first storey upto 4 meters above plinth level.	cum	0.84	624.40	
65	29.84	CONSTRUCTION BRICK MASONRY INSPECTION CHAMBER SIZES AS GIVEN BELOW UPTO 0.60 METRE AVERAGE DEPTH in cement mortar 1:5 LIME CONCRETE with 40 percent lime mortar 2:3 in foundation cement concrete 1:2:4 BENCHING 12mm THICK CEMENT PLASTER 1:2 with a floating coat of 1mm thick of neat cement R.C.C. 1:2:4 SLAB 100mm THICK /C.C. TOPPING 50 mm THICK WITH 455 MM x 455 MM / 455 MM x 610 MM INSIDE LIGHT DUTY C.I. INSPECTION CHAMBER COVER AND FRAME weight as per I.S.I. specification painted WITH 3 COATS OF black bitumastic superior paint complete as per standard design.				
		(c) Size 600 mm X 900 mm inside (with 455 mm x 455 mm cover and frame light duty single seal weighing 20 kg with R.C.C. slab)	Nos.	2		
66	29.95	Providing & Laying S.W. pipe 200 mm dia.	M.	12.19	199.00	
67	10.26	Cement Concrete 1:8:16 with brick ballast 40mm nominal size in foundation and plinth	cum	2.09	300.20	

68	30.4	PROVIDING AND FIXING IN POSITION BEST INDIAN MAKE (to the approval of the Engineer-in-charge) EUROPEAN TYPE WATER CLOSET SUIT WITH NONCONCEALED 'P' OR 'S' TRAP with or without vent and all other necessary fittings as fully described in item no.30.3 above. (i) White	Nos.	6	901.00	
69	30.2	PROVIDING AND FIXING IN POSITION BEST INDIAN MAKE (to the approval of the Engineer-in-charge). INDIAN TYPE ORISSA OR ORYA WATER CLOSET SUITE for sinking into floor, with raised foot treads COMPLETE WITH 100 MM G.C.I.'P' TRAP described in item no.30.1 above. (a) Size 580 mm (i) White	Nos.	3	101.00	
70	N.S.	C.P. Jali	Nos	6	200.00	
71	30.13	EXTRA OVER item nos.30.3 to 30.6 FOR PROVIDING AND FIXING BEST INDIAN MAKE PLASTIC HYGENIC SEAT with lid complete instead of hollow black or white plastic seat and lid. (i) White plastic seat (Solid)	Nos	6	193.00	
72	30.12	EXTRA OVER Item nos. 30.1 to 30.4 and 30.6 FOR PROVIDING AND FIXING 15 LITRES CAPACITY LOW LEVEL VITREOUS CHINA WARECISTERN complete with flush bend all other necessary fittings instead of C.I. high level cistern complete with fittings. (i) White	Nos.	9	290.00	

73	30.41	PROVIDING AND FIXING IN POSITION BEST INDIAN MAKE (ORDINARY) LAVATORY SUITES consisting of Lavatory in VITREOUS CHINAWARE size as give below (to the approval of the Engineerin-charge) including china plug for tap hole where necessary ; R.S. or C.I.BRACKETS for building into wall including painting; 32mm C.P.BRASS WASTE WITH C.P. brass chain and rubber plug; 15mm C.P.BRASS SCREW DOWN PILLAR TAP WITH jam nuts or couplings best design (as approved by the Engineer-in-charge) ALL FITTINGS BEST INDIAN MAKE and; to the approval of the Engineer-in-charge. ALL brass work chromium plated and COMPLETE in all respects INCLUDING cutting and MAKING GOOD THE WALLS, FLOORS AND PAINTING OF FITTINGS ETC. WHITE (i) Size 510mm X 400 mm with one no. tap	Nos.	6	442.00	
74	6.10	EXCAVATION, OF TRENCHES IN STREETS, LANES OR IN OPEN AREAS FOR STROM SEWER, SEWERS RUNNING BY GRAVITY AND MANHOLES TO FULL DEPTHS AS SHOWN IN DRAWINGS INCLUDING SHORING, TIMBERING OF POLING BOARDS,FRAME SYSTEM TYPE, dressing to correct sections and dimensions, according to templates and, levels dewatering, provision for diversion of traffic, cutting trees and bushes, etc. night signals, profiles pegs, sight rails, boning roads, crossing over trenches for access to the houses, watching, fencing etc., fixing and maintenance of caution boards, refilling of trenches, watering of refill, in 15 cm layers, ramming and restoration of unmetalled or unpaved surface to original condition AND REMOVAL OF SURPLUS SOIL, FROM SITE OF WORK, UPTO A LEAD OF 1 KM IN ORDINARY SOIL level.	Cum	9.72	1189.00	
75	30.75	Providing and fixing in position 15mm i/d C.P. brass bib cocks of best quality (as required by the engineer-in-charge) (a) Bib cock long body	Nos.	24	116.00	
		(b) Bib cock sparrow with Perimix and flange	Nos.	9	105.00	

76	30.54	PROVIDING AND FIXING IN POSITION BEST INDIAN MAKE FIRE CLAY SINKS WITH COMPLETE FITTINGS. AS FULLY DESCRIBED IN ITEM NO.30.51 ABOVE b) 600mm X 450mm X 250mm	Nos.	3	903.00	
77	30.70	Providing and fixing in position best Indian make Soap dish fixed into wall with C.P. brass screws and complete in all respects including cutting and making good the (a) C.P.BRASS (ii) Soap dish small	Nos.	15	46.50	
78	30.68	PROVIDING AND FIXING IN POSITION BEST INDIAN MAKE TOWEL RAILS FIXED in with raw slugs embedded in walls with C.P. brass screws. Complete in all respect INCLUDING CUTTING AND MAKING GOOD THE WALLS ETC. (C) 25MM DIA ALUMINIUM 600 mm long	Nos.	9	37.00	
79	30.71	PROVIDING AND FIXING IN POSITION BEST INDIAN MAKE BEVELLED EDGE 5.5 MM THICK MIRROR mounted on ASBESTOS sheet GROUND FIXED IN POSITION BY MEANS OF 4 NOS. CHORMIUM PLATED BRASS SCREWS AND WASHERS over rubber washers and rawl plug embedded in the wall of chromium plated brass clamps with C.P. brass screws (as required by the Engineer-in-charge) COMPLETE INCLUDING CUTTING AND MAKING GOOD THE WALLS (a) INDIAN MAKE (i) 600mm X 450mm	Nos.	6	107.00	
80	30.48	PROVIDING AND FIXING IN POSITION 32MM DIA.G.I.WASTE PIPE EMBEDDED IN WALL or lead waste pipe (weighing 3.47kg. per metre and 2.8 mm thick) upto floor level including cost of wipped solder joint etc., complete (as required by the Engineer-in-charge)	Nos.	6	98.00	
81	30.62	PROVIDING AND FIXING 40 MM 1/0 G.I. WASTE PIPE EMBEDDED IN WALLS OR LEAD WASTE PIPE weighing 4.46 Kg./metre and 3.0 mm thick UPTO FLOOR LEVEL as required by the Engineer-in-charge INCLUDING COST OF UNION AND PLUMBER JOINT.	Nos.	3	118.00	
82	N.S.	C.P. Jali	Nos.	2	25.00	

83	30.66	PROVIDING AND FIXING IN POSITION BEST INDIAN MAKE SHOWER WITH 15 OR 20 I/D IN-LET. (c) C.P. brass with revoiving joint	Nos.	9	122.00	
84	28.18	LABOUR FOR LAYING JOINTING, FIXING AND TESTING G.I./P.V.C./W.I.PIPE LINES AND SPECIALS tees bends, sockets elbows etc., INSIDE BUILDING and testing etc., complete including cutting threading.				
		(b) INCLUDING COST OF SPECIALS (i) 15 mm internal diameter of pipeline	M.	27.87	7.25	
		(ii) 20 mm internal diameter of pipeline	M.	27.87	8.60	
		(iii) 25 mm internal diameter of pipeline	M.	41.78	9.60	
85	N.S.	Supply of G.I. pipe clase B, Jindle mark				
		a) 15mm id	M.	91.44	125.00	
		b) 20 mm id	M.	91.44	150.00	
		c) 25 mm id	M.	137.16	200.00	
86	N.S.	Supply + layinh G.I. union				
		a) 15mm id	Nos.	10	80.00	
		b) 20 mm id	Nos.	10	100.00	
		c) 25 mm id	Nos.	20	150.00	
87	N.S.	Supply + laying GPN metal peet valves DRP				
		20 mm id -	Nos.	18	450.00	
		25 mm id	Nos.	9	650.00	
88	N.S.	Supply + laying G.I. tank union	Nos.	6	150.00	

89	30.110	PROVIDING AND FIXING IN POSITION AUTOMATIC BRASS BALL VALVES IN TANKS. (b) WITH PEASTIC BALL internal diameter (iii) 25 mm	Nos.	3	65.50	
90	30.93	PROVIDING AND FIXING LEAD INLET CONNECTION WITH BRASS UNION FOR FLUSHING AND WARNING PIPES COMPLETE IN ALL RESPECTS. (c) 15 mm alkathene pipe inlet connection.	Nos.	20	10.50	
91	30.95	CUTTING CHASE IN BRICK WALLS IN CEMENT OR IN FLOOR FOR EMBEDDING G.I.OR H.C.I.PIPE LINES AND MAKING GOOD THE SAME TO ITS ORIGINAL CONDITION. (a) Size 75 mm X 75 mm	M.	91.44	6.00	
92	28.24	CUTTING HOLES UPTO 23 CM THROUGH STONE MASONRY OR BRICK WORK IN CEMENT WALLS FOR PIPES AND MAKING GOOD including repointing, replastering and finishing according to existing finish where required (b) 22.86 cm thickness of walls	Nos.	32	20.35	
93	N.S.	Supply + laying fruel a) 20 mm id	Nos.	3	150.00	
94	28.22	DRILLING AND TAPPING CAST IRON PIPE LINES OF ALL DIAMETERS AND SCREWING IN FERRULE AND CONNECTIONS (c) 20 mm internal diameter	Nos.	3	29.85	
Electrical Installations						
95	31.12 (a)	Main Switch (xv)Triple pole switch with netural link 63 amp. 415 volts	Nos.	12	521.00	
		(xvi)Triple pole switch with netural link 100 amp. 415 volts	Nos.	3	1921.00	
96	31.12(c)	Moulded case eiroul-bracket amp. To 220 amp. 415V 10KA 3 Phase (ii)100	Nos.	3	4246.00	
		(iv)300 amp. To 400 amp. 415V 35KA 3 Phase	Nos.	1	1050.00	
97	31.12(d)	(iv)Dis board 4 way SPN	Nos.	3	263.00	
		(v)Dis board 6 way SPN	Nos.	18	831.00	

98	31.13	S/E of M.S. angle iron frame duly welded for housing M.S. sheet & main switch etc. on it, fixed on wall by means of suitable size of rag bolts with cement concrete, duly painted three coat of approved paint including one coat of red oxide (ii) Size 40mmx40mmx6mm	M.	45	46.50	
99	31.14	S/E of 3mm thick MS sheet duly welded on existing MS Angle iron frame for fixing the main switches etc., as required duly paint with three coats of approved paint including one coat of red oxide	Sq.m.	15	337.00	
100	31.16	S/E of blanking sheet in existing distribution board	Nos.	30	2.25	
101	31.17	S/E of board i/c making necessary connection A) MCB of 9 KA breaking capacity SPMCB 6 Amp to 32 Amp (i)	Nos.	240	95.00	
		(ii) TPMCB 6 Amp to 32 Amp	Nos.	6	197.00	
		(iii) TPNMCB 40 Amp to 63 Amp	Nos.	18	499.00	
102	31.18	S/E of fitting and accessories Bakelite angle/straight button holder large size (xi)	Nos.	117	6.20	
		(xxiv) Er. Only upto 1x40 or 2x40 watts 1220mm long 610mm long fl. Tube fitting directly on wall i/c necessary connection with 0.75 sqmm (24/0.20mm PVC copper flexible cable for connecting the tube with adjustment light point	Nos.	25	10.90	
103	31.20	ERECTION AND CARRIAGE OF FANS Erection of ceiling fan complete with necessary earthing of fan and regulator i/c carriage from local railway station/goods transport/PWD store to site of work (i)	Nos.	198	13.00	
		(iii) Exaction of exhaust fan complete with necessary earthing of fan and regulator including carriage from local railway station /good transport/PWD store to the site of work	Nos.	18	25.00	
104	31.21	S/E of pipe for wiring purpose i/c bends inspection boxes etc., where necessary and painting as required (xv) Heavy gauge welded conduit pipe 20mm dia 1.60mm thickness on surface.	Sq.m.	20	14.90	

		(xvi) Heavy gauge welded conduit pipe 50mm dia 1.60mm thickness on surface.	Sq.m.	20	18.40	
		(xxi) Heavy gauge welded conduit pipe 20 mm dia 1.60 mm thiknes flushed	M.	500	16.30	
		(xxii) Heavy gauge welded conduit pipe 25 mm dia 1.60 mm thiknes flushed	M.	600	19.60	
		(xxx) S/E of PVC pipe of 6 kg. pressure. Laid 1 metre bolow ground level complete , including digging refilling of the trench with jointing etc. :- (a) PVC Pipe 120mm dia.	M.	10	59.00	
		(b) PVC Pipe 80mm dia.	M.	40	42.00	
105	31.22	EARTHING :- (iv) Earthing with tinned copper earth plate 600mm X600mm X3mm thick including and watering pipe etc.(but without charcoal or coke and salt) etc. complete as required	M.	8	1149.00	
		(x) Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode as required.	M.	60	155.00	
		(xii) Pdg. and laying earth connections from earth electrode with 4.00 mm dia copper wire in 15 mm dia G.I. pipe from earth electrode as required.	M.	60	24.50	
		(xiv) Pdg. and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required with all labour and material	M.	61	117.00	
		(xvii) Pdg. and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.	M.	70	13.50	
106	31.24	(ii) Excavation earth pit 180cm round at top and 90cm at bottom 4.5 metres deep and refilling the same in same in refilling the same in plains including supply of necessary charcoal/coke and slat mixture.	M.	6	254.00	
		(iv) Supply and erection of 60 cm x 60 cm x 60 thick galvanised iron plate including necessary bolt and nuts to G.I. tape	Nos.	6	215.00	
		(v) Providing standared watering tank including down pipe and C.I. cover with locking arrangemnet etc.	Nos.	6	190.00	

		(vi) supply and erection of 20 mm x 3 mm thick lightning conductor G.I. tape fixed with suitable G.I. staples of small size	M.	100	14.10	
		(vii) Supply and erection of G.I. tape 32 mm x 6mm thick from earth electrode directly in ground and surface fixed with G.I. staples in same size	M.	400	32.60	
		(viii) Supply and erection of 25 mm dia 1.5 m. long lightning G.I. tube rod tapered into a point at the top with 16 cm x 16 cm x 3 cm thick G.I. based plate and necessary nuts and bolts	Nos.	6	108.00	
		(ix) Providing and fixing testing joints made of 20 mm x 3 mm thick G.I. strips 125 mm long with 4 nos. G.I. bolt and nuts with washers complete.	Nos.	6	6.70	
107	31.25	S/E of under ground cable 1 mtr. Below ground level covered with sand & bricks including necessary connection, digging and refilling of trenches (Armoured)				
		(iv) 10 sqmm. 2 core cable	M.	50	41.80	
		(xxviii) 70 sqmm. 3 ½ core cable	M.	150	115.00	
		(xxxii) 185 sqmm. 3 ½ core cable	M.	260	228.00	
108	31.26	S/E of under ground cable loose in existing pipe or trenches complete with necessary connection				
		(iii) 6 sqmm 2 core cable	M.	200	22.50	
		(iv) 10 sqmm 2 core cable	M.	50	27.80	
		(xxviii) 70 sqmm 3 ½ core cable	M.	50	100.30	
		(xlii) 35 sqmm 4 core cable	M.	60	65.80	
109	31.28	S/E of suitable compression type brass cable glands for underground cable				
		(i) Up to 2 sqmm cable 2 to 4 core	Nos.	6	6.70	
		(ii) 10 sqmm to 16 sqmm cable 2 to 4 core	Nos.	6	9.20	

		(iv) 70 sqmm to 95 sqmm cable 3 to 3½ core	Nos.	6	22.50	
		(v) 120 sqmm to 185 sqmm cable 3 to 3½ core	Nos.	2	28.60	
110	31.30	Street Light:-				
		III. S/E of 3 stepped steel tubular pole (swaged type) conforming to IS.S welded with mild steel base plate of size 30cm x 30cm x 6.00 cm thick including erection of pole in ground surrounded with 30cm dia of 1:3:6 cement concrete and a platform of 10cm thick to the size of base plate at the bottom. (xiv) Erection of street light fitting on the pole including the cost of petty material required (irrespective of height/length of bracket) (d) Pole above 8 metres.	Nos.	6	38.00	
		(xv) S/E of 32mm dia meter 1.5m long bracket (B- Class) making an angle of 10 to 15 degree with horizontal plane for mounting street light fitting fixing of GI bracket on wall with 2 Nos. ,32mm x 3mm thick M.S. clamps including cost of cutting , welding of GI pipe complete with cement sand mixture, bolts and nuts etc. including necessary connection.	Nos.	6	102.00	
111	31.31	S/E of metal clad bus bar chamber made from 1.6 mm thick M.S. sheet fixed with rag bolts on wall or on existing pedestal/angle iron frame including bonding to earth, detachable top and bottom painting and necessary connection etc. (Copper bars duly tinned)	Nos.	3	485.00	
112	31.35	Miscellaneous:-				
		(ix) S/E of aluminium lugs heavy duty including crimping etc. Engineering - in charge of the work:- (h) 70 sqmm	Nos.	18	5.10	
		(i) 95 sqmm	Nos.	2	5.60	
		(l) 185 sqmm	Nos.	6	11.20	
113	31.36	Wiring in 1.5 sqmm PVC insulated copper conductor cable in 1.6 mm thick conduit pipe				

		(i) Fan Point Short Point	Nos.	198	343.00	
		(ii) Light Point Short Point	Nos.	36	251.00	
		Medium	Nos.	135	433.00	
		Long	Nos.	180	639.00	
		(iii) Twin control Light Point with 2-way, 5 amp. Single pole swotch Medium	Nos.	198	486.00	
		Long	Nos.	18	726.00	
		(vii) 3-pin 5amp. Plug point including earthing the 3rd pin etc. Short Point	Nos.	9	283.00	
		Medium	Nos.	99	466.00	
		Long	Nos.	99	672.00	
		(viii) 3-pin 5amp. Plug point with 4 sqmm PVC insulated copper conductor cable including earthing the 3rd pin etc. Long	Nos.	117	970.00	
114	31.40	Supply and erection of PVC unsheathed copper conductor cable single core 1100 volts grade in pipe of suitable size excluding cost and erection of pipe				
		(i)Cable size 1.5 sqmm (3/0.81mm.)	M.	1000	10.20	
		(ii)Cable size 2.5 sqmm ()	M.	2500	16.30	
		(iii)Cable size 4.0 sqmm (7/0.85mm.)	M.	500	24.50	
		(v)Cable size 10.0 sqmm (7/1.35mm.)	M.	72	50.00	
		(viii)Cable size 35.0 sqmm (7/2.52mm)	M.	15	184.40	
115	31.45	Supply and ersion of copper lugs including crimping etc. upto the entire satisfaction of Engineer-in-Charge of work.				

		(a) 1.5 sqmm to 2.5 sqmm	Nos.	280	480.00	
		(b) 4.0 sqmm to 6.0 sqmm	Nos.	200	6.00	
		(c) 25.0 sqmm	Nos.	144	8.30	
		(f) 25.0 sqmm	Nos.	12	21.70	
116	31.48	S/E of MS saddles and clamps on wall / RCC parapit for fixing underground cable at a distances of 0.60 metre centre to centre fixed by means of rawl plug including the cost of all labour and material required to complete the job in all respect.	Nos.	600	5.00	
117	31.55	S/E OF Socket size rotary step type Electronic regulator for A.C. ceiling fan anchor make delux model No. 50440 ISI / SSK make PC 561 operated on 120/280 V A.C. Supply complete including of existing Bakelite sheet and making necessary connenction etc. up to the entire satisfaction of Engineering -in - charge of the work.	Nos.	198	195.00	
118	31.63	Supply installation testing and commissioning of wall / free standing floor mounting dust & vermin proof compartmentalized cubical panel made out of 2mm thick CRCA sheet , required hardware 3mm thick bakelite sheet provided all along the bus bar and cable alley separating switches comparment and supporting suitable channel duly painted by 2 coats of Zinc /Red oxide primer followed by 2 coats of powder coating ig grey or required shade after rinsing. The panel having PU /Neoprene rubber gasket of hot less than 3mm thichness separate detachable gland plate MS base channel hinged door with inter lockink assangement for equipment / switch wear. Transparent arcylic sheet shall be provided in front of bus bar compartment to prevent direct access to bus bar bakelite sheet 3mm thick for separately cable alley to BBC from switch chamber Extended solid copper bars up to cable alleys shall be provided for outgoing connection which shall be paid as extra items. Side walls and cable alley compartment shall be having bolted type doors with detachable extension type structure. Rhe panel will be completewith control wiring (copper) and fuse protection.	M.	105	21.60	

119	31.64	Supplying and fixing of copper bus bar duly tinned by means of SMC / DMC type insulator high tensile nuts and bolts spring washers fixing to same in existing panel including bending ,cutting in required shape and size and insulation with color coding heat shrinkable PVC insulation Complete in all respect.	K.G.	30	525.00	
120	31.65	Pdg. And fixing metering digital equipment for LT cubical panel consisting of 96mm x 96mm 0-500 V, volt meter with selector switch ,Amp meter (of required ratio up 600/5 amp) with selector switch and required CRs 3 Nos. , a set of 3 No. phase indication lamps RYB LED.	Set	1	4050.00	
121	N.S.	S/E of earg box siutars for the switch with nertral line 100 A/ 415 V (cal A) made of 1-60 mm. thick MS sheet including entire , welding of sheet , painting of fixing complete in all respect as per satisfaction of Engineering -in -charge	Nos.	3		
122	N.S.	Supply of 1 x 28 watt TL-5 Tube fitting (TMS 1 x RL-5-28watt FBT) with 28 watt tube rod on existing wall as per satisfaction of Engineering -in -charge	Nos.	252	950.00	
123	N.S.	Supply of ceiling fan 42" (1050mm) Orient mark 380 RPM white color .	Nos.	198	1290.00	
124	N.S.	Supply of exist. Fan 15" size 1440 RPM make heavy duly.	Nos.	18	2800.00	
125	N.S.	Size of 2' x 2' , 20mm plug for extention of ex. Fan.	Nos.	18	357.00	
126	N.S.	S/E of electronic C-T. meter of ratio 100/5, 150/5, 200/5 seeure make with 4 No. C.T.S. of approved make in UHBVN with one Nos. test terminal box and one Nos. meter culrical box of size 30" x 15' x 11" made of 1-60 mm thick MS sheet including holes / earg gland brass and petty material required for connectious x etc. as per site requirment and as per satisfaction of Engineering -in -charge.	Nos.	1	20000.00	
127	N.S.	S/E of BGEST 250 watt fitting with 250 watt M.H.1 lamp on the terrace of the building complete with necessary commenction petty mateial required to complete the job as per site required and as per satisfaction of Engineering -in -charge.	Nos.	6	4500.00	