

CONSTRUCTION OF STAFF QUARTERS AT DISTRICT HOSPITAL, MANANTHAVADY

PART A - CIVIL WORKS

Item No	Description of Item	Quantity	Unit	Rate (In figures and words)	Amount
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	2100.00	Sqm		
2	Felling trees of the girth (measured at a height of 1 m above ground level) including cutting of trunks and branches removing the roots and stacking of serviceable material and disposal of unserviceable material in area located for constructed of building				
a	Beyond 30 cm girth upto and including 60 cm girth	5.00	Each		
b	Beyond 60 cm girth upto and including 120 cm girth	3.00	Each		

3 (a)	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed. All kinds of soil	210.00	Cum		
3 (b)	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, disposed earth to be levelled and neatly dressed. All kinds of soil 2nd depth 1.5m to 3.0m.	40.00	Cum		
4	Supplying chemical emulsion in sealed containers including delivery as specified Chlorpyrifos/ Lindane emulsifiable concentrate of 20%	370.00	litre		
5	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor : With hlorpyrifos/Lindane E.C. 20% with 1% concentration.	170.00	Sqm		

6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	47.00	Cum		
7	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing & reinforcement, including 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 Engineer-in-charge. All works upto plinth level	80.00	Cum		
8	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth :consolidating each deposited layer by ramming and watering,lead up to 50 m and lift upto 1.5m	240.00	Cum		
9	Supplying and filling good earth to the basement including cost of earth and its conveyance etc. complete	6.00	Cum		

10	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing but excluding reinforcement, including 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 Engineer-in-charge. All works above plinth level upto floor V level	163.00	Cum		
11	Add for using extra cement in the items of design mix over and above the specified cement content therein.	170.10	ql		
12	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo Mechanically Treated bars	36450.00	Kg		
13	Centering and shuttering including strutting, propping etc. and removal of form for :				

a	Foundations, footings, bases of columns, etc. for mass concrete	200.00	Sqm		
b	Suspended floors, roofs, landings, balconies and access platform	685.00	Sqm		
c	Lintels, beams, plinth beams, girders, bressumers and cantilevers	650.00	Sqm		
d	Columns, Pillars, Piers, Abutments, Posts and Struts	385.00	Sqm		
e	Stairs, (excluding landings) except spiral-staircases	50.00	Sqm		

f	Edges of slabs and breaks in floors and walls.Under 20 cm wide	560.00	Rm		
g	Weather shade, Chajjas, corbels etc., including edges	101.00	Sqm		
14	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:Cement mortar 1:6 (1 cement : 6 coarse sand)	8.50	Cum		
15	Brick work with F.P.S bricks of class designation 75 in superstructure above plinth level upto floor V level in cement mortar 1:6 (1 cement: 6 coarse sand)	225.00	Cum		
16	Half brick masonry with bricks of class designation 50 in foundations & above plinth up to floor V level in cement mortar 1 : 4 (1 cement : 4 coarse sand).	35.00	Sqm		

17	Extra for providing and placing in position 2 Nos 6 mm dia M.S. bars at every third course of half brick masonry (with F.P.S. bricks).	35.00	Sqm		
18	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).Sal wood/Violet wood	7.50	Cum		
19	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. Kiln seasoned and chemically treated hollock wood/Violet wood 35 mm thick shutters	75.00	Sqm		
20	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick : Kiln seasoned and chemically treated hollock wood/Violet wood	57.00	Sqm		

21	Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws : Kiln seasoned and chemically treated hollock wood/Violet wood 35 mm thick	90.00	Sqm		
22	Providing 40x5mm flat iron hold fast 40cm long including fixing to frame with 10mm diameter bolts,nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix(1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size	490.00	Each		
23	Providing and fixing Pre-laminated flat pressed 3 layer (medium density) particle board or graded wood particle board IS : 3087 marked, with one side decorative and other side balancing lamination Grade I, Type II exterior grade IS : 12823 marked, in shelves with screws and fittings wherever required, edges to be painted with polyurethane primer (fittings to be paid separately).18 mm thick	70.00	Sqm		
24	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles with necessary screws etc. complete (best make of approved quality).	42.00	Each		

25	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete :75x47x1.80 mm (9.70.3)	480.00	Each		
26	Providing and fixing M.S. grills of required pattern in frames of windows etc with M.S flats, square or round bars etc all complete:- Fixed to openings / wooden frames with rawl plugs screws etc.	2150.00	Kg		
27	Providing and fixing M.S. fan clamp type I of 16 mm dia M.S. bar bent to shape with hooked ends in R.C.C. slabs during laying including painting the exposed portion of loop , all as per standard design complete .	36.00	Each		

28	<p>Providing and fixing 18mm thick gang saw cut mirror polished premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels: Granite of any colour and shade. Area of slab over 0.50 sqm. (Lowest retail price not less than Rs. 2000/m2)</p>	130.00	Sqm		
29	<p>Providing and fixing 1st quality ceramic glazed joint free wall tiles 300x450mm size conforming to IS: 15622 Of thickness 5MM of approved make JOHNSON, NITCO, ORIENT, , KAJARIA or approved make, in all colours, shades except burgundy, bottle green, black of 600 x 300 mm as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete. (Lowest retail price not less than Rs. 450/m2)</p>	180.00	Sqm		

30	Providing and laying Ceramic joint free antiskid floor tiles of size 300x300 mm thicknes 7.5mm of 1st quality conforming to IS : 15622, of JOHNSON, NITCO, ORIENT, KAJARIA or approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigments etc., complete. (Lowest retail price not less than Rs. 500/m2)	33.00	Sqm		
31	Providing and laying vitrified floor tiles in different sizes of 10mm thickness with water absorption less than 0.08% and conforming to IS : 15622, of JOHNSON, NITCO, ORIENT, KAJARIA or approved make approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete. of size 600x600mm (Lowest retail price not less than Rs. 900/m2)	345.00	Sqm		
32	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer) with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make in all colours & shade in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 600x600 mm (Lowest retail price not less than Rs. 900/m2)	435.00	Sqm		

33	Providing and fixing on wall face unplasticised - Rigid P.V.C rain water pipes conforming to IS : 13592 Type - A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion :-	65.00	Rm		
34	Providing and fixing unplasticised-P.V.C pipes clips of approved design to unplasticised-P.V.C rain water pipes by means of 50 x 50 x 50 mm hard wood plugs, screwed with M.S screws of required length including cutting brick work and fixing in cement mortar 1 : 4 (1 cement : 4 coarse sand) and making good the walls etc. complete :-	70.00	Each		
35	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	5.00	Each		
36	Providing and fixing on wall face unplasticised - P.V.C moulded fittings / accessories for unplasticised - Rigid P.V.C rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS 5382 leaving 10 mm gap for thermal expansion :-				
a	110 mm coupler	25.00	Each		

b	110mm singel tee with door	14.00	Each		
c	110 mm bend.	25.00	Each		
d	b. Shoe(plain) 110mm	5.00	Each		
37	6 mm cement plaster of mix:1:3(1 cement:3 fine sand), for ceiling	610.00	Sqm		
38	15mm cement plaster on rough side of single or half brick wall finished with a cement mix of 1:4 (1 cement : 4 coarse sand) inside plastering	1450.00	Sqm		
39	Plastering with cement mortar 1:4 (1 cement, 4 fine sand) 15mm thick to the outside of walls and parapets up to 10m height	830.00	Sqm		

40	Plastering with cement mortar 1:4 (1 cement, 4 fine sand) 15mm thick to the outside of walls and parapets above 10m height and up to 13m height .	90.00	Sqm		
41	Cement plaster 1:3 (1 cement: 3 coarse sand) to an average thicknes of 20 mm finished with a floating coat of neat cement including mixing water proofing compound over roof slab and sunshade	310.00	Sqm		
42	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	2060.00	Sqm		
43	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :	2060.00	Sqm		
44	Wall painting with plastic interior emulsion paint(premium quality) of approved brand and manufacture to give an even shade : Two or more coats on new work,	2060.00	Sqm		

45	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	920.00	Sqm		
46	Painting wood work with Duluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/ 10 sqm of approved brand or manufacture	450.00	Sqm		
47	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :- Two or more coats to window grills .	100.00	Sqm		
48	Providing and fixing factory made PVC door frame made of PVC extruded section having overall dimension of 48 x 40 mm (tolerance + 1 mm) with wall thickness 2.0 mm + 0.2 mm, corners of the door frame to be mitred and jointed by means of plastic/M.S. galvanised brackets and stainless steel screws. The hinge side vertical of the frames reinforced by galvanised M.S.tube of size 19 x 19 mm and 1mm + 0.1 mm wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturers specification and direction of Engineer - in - charge (Sintex Plasopan or duroplast)	60.00	Rm		

49	<p>Providing and fixing 30 mm thick factory made PVC rigid foam panelled door shutters manufactured by M/S. Rajshri or equivalent made from M.S.tube of 19 gauge thickness, size 19 x19 mm for styles and 15 x 15 mm for top and bottom rails, covered with heat moulded PVC "C" channel of 5 mm thick sheet and 30 x50 mm wide to form styles and 5 mm thick and 75 mm wide PVC sheets for top rail, lock rail and bottom rail on either side and 5 mm thick, 20 mm wide cross PVC sheet as gap insert for top rail ad bottom rail, panelling of 5 mm thick PVC sheet fitted in the M.S.frame welded/ sealed to the styles and rails with 5 x 30 mm PVC sheet beading on either side and joined together with solvent cement adhesive etc., complete as per manufacturers specification and direction of Engineer - in - charge fixed to frames with 4 Nos. M.S.powder coated butt hinges (for W.C. and bathroom shutters)</p>	20.00	Sqm		
50	<p>Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete.</p>	22.00	Each		
51	<p>Supplying and fixing hand rails with 304 grade polished stainless steel pipe 2mm wall thickness for stair cases. 50mm diameter for hand rails and 100 mm dia for newel post and 25mm dia balusters 15cm c/c and 2nos horizontals welded together , including all necessary fittings etc.. as per the drawing and direction of the Engineer – in – charge. Hand rails shall be fixed in the floor/steps with expansion hold fasters of required size including drilling etc.complete</p>	310.00	Kg		

52	Chequered precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand). Dark shade using ordinary cement.	115.00	Sqm		
53	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M - 30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of fine sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.	100.00	Sqm		
54	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	6.00	Each		

55	Providing and fixing white vitreous china pedestal type water closet (European type W.C.pan) with seat and lid, 10 litre low level P.V.C. flushing cistern with manually controlled device (handle lever), conforming to IS : 7231, Parryware / Hindware/ Seabrid / Orient (Coral) with all fittings and fixtures complete including cutting and making good the walls and flors wherever required :- W.C. pan with ISI marked white solid plastic seat and lid.	6.00	Each		
56	Providing and fixing wash basin with C.I/M.S brackets painted white ,15 mm C.P brass pillar taps, Kingston / Gem / Techno / Parko, 32 mm C.P brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required :- White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap.	6.00	Each		
57	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink without drain board 610x510 mm bowl depth 200 mm.	6.00	Each		
58	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS : standards and weighing not less than 690 grams: 15mm nominal bore	12	Each		

59	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.:15 mm nominal bore.	24	Each		
60	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931: 15 mm nominal bore.Make:Hindware,Cera,Jaquar etc..	12	Each		
61	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore: 15mm nominal bore Make:Hindware,Cera,Jaquar etc..	36	Each		
62	Providing and fixing CP Waste coupling for wash basin and sink of approved quality, colour and make. Waste coupling 31mm of 79mm length and 62mm breadth, weighing not less than 45 gms. Make:Hindware,Jaquar etc.,	12	Each		
63	Providing and fixing PVC Waste pipe for sink or wash basin including PVC waste fittings complete.:Semi rigid pipe 32mm dia	12	Each		

64	Providing and fixing PTMT Bottle Trap for Wash basin and sink. Bottle trap 38mm single piece moulded with height of 270mm, effective length of tail pipe 260mm from the centre of the waste coupling 77mm breadth with 25mm minimum water seal, weighing not less than 263gms.	12	Each		
65	Providing and fixing SS soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements. Weighing not less than 106 gms.	24	Each		
66	Providing and fixing Toilet paper holder . Make:Hindware,Cera,Jaquar etc.,;C.P Brass	12	Each		
67	Providing and fixing 600 x 450mm bevelled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	18	Each		
68	Providing and fixing SS towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour. 600mm long towel rail with total length of 645mm, width 78mm and effective height of 88mm, weighing not less than 190gms.	24	Each		

69	Providing & fixing of CP Health faucet. Hand operated spray unit (instand type) .Make:Hindware,Cera,Jaquar etc., (Lowest retail price not less than 1200/each. Materials to be selected by the Engineer in charge)	6	Set		
70	Providing and fixing PTMT swivelling shower, 15	12	Each		
71	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for Hot and Cold water supply including all CPVC plain and brass threded fittings including fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in caharge. Make:Supreme,Finolex,Prince etc.,				

	Internal Work - Exposed on wall				
a)	20mm nominal outer dia.Pipes	30.00	Rm		
b)	25mm nominal outer dia.Pipes	75.00	Rm		
c)	32mm nominal outer dia.Pipes	80.00	Rm		
72	<p>Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for Hot and Cold water supply including all CPVC plain and brass threded fittings including fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in caharge. Make:Supreme,Finolex,Prince etc..,</p>				

	Concealed work including cutting chases and making good the wall etc.				
a)	20mm nominal outer dia.Pipes	120.00	Rm		
b)	25mm nominal outer dia.Pipes	100.00	Rm		
73	Providing and fixing Ball Valve (brass) of approved quality, High or low pressure, with plastic floats complete. Make:Lehry,Supreme,Finolex,Prince etc.,20mm dia nominal bore	18	Each		
74	Providing and fixing Gun metal gate valve with C.I. wheel of approved quality (screwed end). Make: Lehry,Supreme,Finolex,Prince etc.,				
a)	25 mm dia nominal bore	12	Each		
b)	32 mm dia nominal bore	6	Each		

75	Cutting holes upto 15 x 15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including finishing complete.	30	Each		
76	Providing and fixing PVC soil, waste and vent pipe to IS : 13592 of SWR quality including all fittings, like : Bends, Tees, Elbows, Collars, junction, inspection doors, cowls, offsets, access pipes, jointing with rubber ring / solvent cement by application of leak proof adhesive like FRP paste including cutting holes in walls and floors and making good. Make:Supreme,Finolex,Prince etc.,				
a)	50mm dia (6kg / sq.cm)	40.00	Rm		
b)	63mm dia (6kg / sq.cm)	41.00	Rm		
c)	75mm dia (6kg / sq.cm)	60.00	Rm		
d)	110mm dia (6 kg / sq.cm)	70.00	Rm		

e)	160mm dia (6kg/sq.m)	80.00	Rm		
77	Providing and fixing PVC floor trap self cleansing design with or without vent arm complete including cutting and making good the walls and floors. Make:Supreme,Finolex,Prince etc.,110mm dia inlet 110mm dia outlet	12	Each		
78	Providing and fixing PTMT grating of approved quality and colour.Circular type.100 mm nominal dia.	14	Each		
79	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size), inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design :				

a)	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	6	Each		
b)	Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) :With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2	Each		
c)	Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (heavy duty) 560 mm internal diameter, total weight of cover and frame to be not less than 208 kg (weight of cover 108 kg and weight of frame 100 kg) :With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2	Each		
80	Extra for depth for manholes				
a)	Size 90x80 cm: With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	4	Rm		

b)	Size 120x90 cm: with common burnt clay F.P.S. (non modular) bricks of class designation 7.5	5	Rm		
81	Providing and fixing square – mouth PVC. Gully trap grade “A” complete with CI grating brick masonry chamber with water tight CI cover with frame of 300 x 300mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :150 x 100mm size P type with common burnt clay F.P.S. (non modular) bricks of class designation 7.5	6	each		
82	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia.	60.00	Rm		
83	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : 150 mm dia. R.C.C. Pipe	60.00	Rm		

83	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	6000	Ltrs		
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SEPTIC TANK&SOAK PIT					
EARTH WORK					
84	Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	27.00	Cum		
85	Extra for every additional lift of 1.5 m or part thereof in excavation /banking excavated or stacked materials.All kinds of soil.	9.00	Cum		
86	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	6.00	Cum		
PLAIN CEMENT CONCRETE					
87	Cement concrete(Cast-in-situ) Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering- All work upto plinth level 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40mm nominal size)	2.00	Cum		
REINFORCED CEMENT CONCRETE					

87	Providing and laying in position specified grade of reinforced cementconcrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	11.00	Cum		
88	Centering and shuttering including strutting, propping etc. and removal ofform for :Lintels, beams, plinth beams, girders, bressumers and cantilevers	93.00	Sqm		
89	Reinforcement for RCC works including straightening, cutting, bending, placing in position and binding all complete. Thermo - Mechanically treated bars (Using Vizac, Tata or SAIL)	1240.00	Kg		
	FINISHING WORKS				
90	Extra for plastering on circular work not exceeding 6 m in radius:In two coats	10.00	Sqm		
91	12 mm cement plaster finished with a floating coat of neat cement of mix : 1:3 (1 cement: 3 fine sand)	43.00	Sqm		
	INTERNAL WATER SUPPLY & SANITARY INSTALLATIONS				

92	Providing and jointing PVC110mm PVC pipes of (pressure 4 kg/cm ²) for drainage line including testing of joints etc complete. (Rain water Down pipe) 110mm diameter (OD)	2.00	Rm		
93	Providing and jointing PVC110mm PVC TEE of (pressure 4 kg/cm ²) for drainage line including testing of joints etc complete. (Rain water Down pipe)	2.00	Each		
	DRAINAGE WORKS				
94	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design. With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1.00	Each		
95	Supplying and fixing C.I. cover with frame for manholes :500 mm diameter C.I. cover (medium duty) the weight of the cover to be not less than 58 kg	2.00	Each		
	Toral -PART A Civil works				
	Toral -PART B Electrical works				
	GRAND TOTAL - PART A+ PART B				