

CONSTRUCTION OF MCH BLOCK AT TALUK HOSPITAL, KODUNGALLUR					
PART I : CIVIL WORKS					
Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
1	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	600.00	Cum		
2	Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap) : (Rotaring machine should be used for boring pile hole)				
a	600mm dia. Piles	450.00	Rm		
b	700mm dia. Piles	2850.00	Rm		
3	Vertical load testing of piles in accordance with IS 2911 (Part IV) including installation of loading platform by Kentledge method and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & the direction of Engineer in-charge. Note: 1. Initial and Routine Load Test shall not be carried out by Dynamic method of testing. Note: 2. Testing agency shall submit the design of loading platform for the approval of Engineer-in-charge.: Single pile above 50 tonne and upto 100 tonne Safe capacity				

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
a	Initial test (Test Load 2.5 times the Safe capacity)	1	Each		
b	Routine test (Test Load 1.5 times the Safe capacity)	2	Each		
4	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.	610.00	Cum		
5	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 1.5m to 3.0 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.	60.00	Cum		
6	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	410.00	Cum		
7	Supplying and filling in plinth with quarry dust sand under floors, including watering, ramming, consolidating and dressing complete	61.00	Cum		
8	Conveying and disposing off excavated excess earth from the site	805.00	Cum		

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
9	Supplying chemical emulsion in sealed containers including delivery as specified Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	412.00	Litres		
10	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 Chlorpyriphos/Lindane E.C. 20% with 1% concentration	740.00	Sqm		
11	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).	114.00	Cum		
12	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) for sunken filling	17.00	Cum		
13	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement :3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand including finishing the top smooth	140.00	Sqm		

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
14	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately).				
a	All works upto plinth level.	533.00	Cum		
b	All works above plinth level upto floor V level.	512.00	Cum		
15	Add for using extra cement in the items of design mix over and above the specified cement content therein	627.00	Qntl		
16	Centering and shuttering including strutting, propping etc. and removal of form for :				
a	Foundations, footings, bases of columns, etc. for mass concrete.	610.00	Sqm		
b	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	90.00	Sqm		

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
c	Suspended floors, roofs, landings, balconies and access platform.	1600.00	Sqm		
d	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	2160.00	Sqm		
e	Columns, Pillars, Piers, Abutments, Posts and Struts.	990.00	Sqm		
f	Stairs, (excluding landings) except spiral-staircases.	40.00	Sqm		
g	Edges of slabs and breaks in floors and walls.Under 20 cm wide	520.00	Sqm		
h	Weather shade, Chajjas, corbels etc., including edges.	170.00	Sqm		
17	Extra for additional height in centering, shuttering where ever required with adequate bracing, propping etc. including cost of de-shuttering and decentering at all levels, over a height of 3.5 m, for every additional height of 1 metre or part thereof (Plan area to be measured) Suspended floors, roofs, landing, beams and balconies (Plan area to be measured).	1540.00	Sqm		
18	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete Thermo-Mechanically Treated bars.	283625.00	Kg		

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
19	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)	12.00	Cum		
20	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand)	462.00	Cum		
21	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in.cement mortar 1:4 (1 cement : 4 coarse sand)	940.00	Sqm		
22	Extra for providing and placing in position 2 Nos. 6mm dia. M.S. bars at every third course of half brick masonry.	940.00	Sqm		
23	Providing and fixing 18mm thick gang saw cut mirror polished premoulded and prepolished) machine cut for kitchen platforms, flooring, 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)	640.00	Sqm		
24	Stone tile (polished) work for wall lining over 18mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and cement slurry @ 3.3 kg/sqm including pointing in white cement complete.:Granite of any colour and shade.to the front side of lift room	16.00	Sqm		
25	Providing edge moulding to 18mm thick granite stone including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge: to the front side of lift room	16.00	Rm		

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
26	Extra for providing opening of required size & shape for wash basins/ kitchen sink in kitchen platform, vanity counters and similar location in marble/Granite/stone work including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	16.00	Each		
27	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.Fixed to openings /wooden frames with rawl plugs screws etc.	3160.00	Kg		
28	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	92.00	Each		
29	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm) with double speed adjustment with necessary accessories and screws etc. complete.	92.00	Each		
30	Providing and fixing PVC Door Frame of size 50x47mm with a wall thickness of 5 mm (\pm 0.2 mm) made out of single piece extruded PVC profile, with mitred cut joints and joint with 2nos of PVC bracket of size 190 mm x 100 mm long arms of cross section size 35 x 15mm & self driven self tapping screws, the vertical door profiles to be reinforced with 40x20mm M.S. rectangular tube of 0.8 mm , including providing EPDM rubber gasket weather seal throughout the frame, including jointing 5mm PVC frame strip with PVC solvent cement on the back of the profile. The door frame to be fixed to the wall using 8 x100mm long anchor fasteners complete, all as per manufacturer's specification and direction of Engineer -in- charge.	162.00	Rm		

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
31	35 mm thick factory made Solid panel PVC Door shutter made out of single piece extruded solid PVC profiles, 5 mm (± 0.2 mm) thick, having styles & rails (except lock rail) of size 95 mm x 35 mm x 5 mm, out of which 75 mm shall be flat and 20 mm shall be tapered (on both side), having one side thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power, including reinforcing with MS tube of size 40 mm X 20 mm x 1 mm, joints of styles & rails to be mitered cut & joint with the help of PVC solvent cement, self driven self tapping screws & M.S. rectangular pipes bracket of size 190 mm X 100 mm of cross section size 35 mm x 17 mm x 1 mm at each corner.				
	Single piece extruded 5mm thick solid PVC Lock rail of size 115 mm x 35 mm x 35 mm, out of which 95 mm to be flat and 20 mm to be tapered at both ends, having 15 mm solid core in middle of rail section integrally extruded, fixing the styles & rails with the help of solvent and self driven self tapping screws of 125 mm x 11 mm, including providing 5 mm Single piece solid PVC extruded sheet inserted in the door as panel, all complete as per manufacturer's specification and direction of Engineer-in-charge. Decorative finish (wood grained finish).	52.00	Sqm		
32	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6mm angle iron and 3mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer: Using M.S. angles 40x40x6 mm for diagonal braces.	31.00	Sqm		
33	Providing and fixing M.S. fan clamp type I or II of 16 mm dia M.S. bar bent to shape with hooked ends in R.C.C. slabs, beams during laying including painting the exposed portion of loop, all as per standard design complete.	80.00	Each		

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
34	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc. including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge. (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.)	230.00	Kg		
35	Providing and fixing 1st quality ceramic glazed wall tiles (300x450mm size) conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size 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 : 3 coarse 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)	1570.00	Sqm		
36	Providing and laying rectified Glazed Ceramic floor tiles 300x300 mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick 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)	115.00	Sqm		
37	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS : 15622 of 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.Size of Tile 600x600 mm (Lowest retail price not less than Rs. 900/m2)	845.00	Sqm		
38	POLYVINYL CHLORIDE SHEET FLOORING				

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
	Supplying and fixing vinyl covering for floor (Armstrong make) for theatre flooring (Anti bacterial and anti fungal) including installation, cost with adhesive, copper laying, welding etc all complete and as per the direction of Engineer in charge	63.00	Sqm		
39	GERFLOR WALL COVERING				
	MURAL PLUS is a Homogeneous flexible vinyl sheet which complies with EN 649. It is designed to be a permanent wall covering. Full resistant to impact, it act as a buffer against damage from beds, trolleys and indoor motorized vehicles and other transportation systems. It is fully impact resistant and is therefore ideal for use as a cladding in large public building such as Hospital care institutions, Dental and veterinary surgeries, clean rooms, store areas.	220.00	Sqm		
40	Providing and fixing tiled false ceiling of approved materials of size 595x595 mm in true horizontal level suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 gsm/sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38mm made from 0.30mm thick (minimum) sheet, spaced at 1200mm center to center and cross "T" of size 24x25mm made of 0.30mm thick (minimum) sheet, 1200mm long spaced between main "T" at 600mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600mm and size 24x25mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600mm panel to form grids of 600x600mm and wall angle of size 24x24x0.3 mm				

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
	and laying false ceiling tiles of approved texture in the grid including, wherever, required, cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 x mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete at all heights as per specifications drawings and as directed by Engineer-in-charge.				
a	GI Metal Ceiling Lay in plain Tegular edge Global white color tiles of size 595x595 mm, and 0.5mm thick with 8mm drop; made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending.	290.00	Sqm		
41	FALSE CEILING SYSTEM - Orcal Clip-in 600x600mm SS Metal-Plain finish				
	Providing & Fixing true horizontal level suspended ceiling comprising of Armstrong Stainless Steel Clip-in with double pip self-leveling feature and special tabs to allow removal of tile to enable plenum access with plain visual consisting of 600X600 clip in tiles of Brushed steel finish in 0.42mm thickness with bevel edge and suitable for Green Building application, with Recycled content of 25%. Installation: To comprise 3000mm long 'C' channels spaced at 1200mm centres securely fixed to the structural soffit by support clamp & approved hangers. The last hanger at the end of each C channel should not be greater than 600mm from the adjacent wall. Use a C-channel connector for splicing two pieces of C-channels. 4000mm Dp-12 Main carriers (spring tee bars) shall be spaced at 600mm centres in a direction perpendicular to the C-channels and shall be secured at every intersection with C channel using a dp-12 hanger. Use Dp-12 connector to splice two pieces of Dp-12 main carriers. Tiles should be clipped in between two Dp-12 carriers (spring tee bars) from below. Perimeter trims to be of Armstrong wall angles of white colour secured to walls at 450mm maximum centres. Cut tiles to be secured to the wall angles using a spring clamp.	87.00	Sqm		

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
42	Providing and laying roof insulation with 40 mm thick impervious sprayed, closed cell free Rigid Polyurethane foam over deck insulation conforming to IS - 12432 Pt. III (density of foam being 40-45 kg/cum), over a coat of polyurethane primer applied @ 6-8 sqm per litre, laying 400 G polythene sheet over PUF spray and providing a wearing course of 40 mm thick cement screed 1: 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size) in chequered rough finish, in panels of 2.5 m x 2.5 m and embedding with 24 G wire netting and sealing the joints with polymerized mastic, all complete as per direction of Engineer-in-Charge.to the top of roof slab	790.00	Sqm		
43	15 mm cement plaster of mix 1:4 (1 cement: 4 fine sand) for outside walls upto 10.0m height	1890.00	Sqm		
44	15 mm cement plaster of mix 1:4 (1 cement: 4 fine sand) for outside walls upto 10.0m to 13 m height	150.00	Sqm		
45	15 mm cement plaster on rough side of single or half brick wall of mix : 1:4 (1 cement: 4 coarse sand)	3880.00	Sqm		
46	6 mm cement plaster of mix : 1:3 (1 cement: 3 fine sand) for under side of roof slab	1560.00	Sqm		
47	Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement.12 mm cement plaster including providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers. to the top surface of slab & sunshade	950.00	Sqm		
48	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.	5440.00	Sqm		

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
49	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :	5440.00	Sqm		
50	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade New work (Two or more coats applied @ 1.43 ltr/ 10 sqm. over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm).	2040.00	Sqm		
51	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade: Two or more coats on new work. Inside of walls	5440.00	Sqm		
52	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :Two or more coats on new work.	145.00	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.	300.00	Sqm		
54	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand) including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	4.50	Cum		

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
55	Chequerred 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.	40.00	Sqm		
56	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion Powder coated aluminium (minimum thickness of powder coating 50 micron)	4150.00	Kg		
57	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately). Powder coated aluminium (minimum thickness of powder coating 50 micron)	2770.00	Kg		
58	Providing and fixing 12mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. Pre-laminated particle board with decorative lamination on both sides.	125.00	Sqm		

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
59	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 5.50 mm thickness	225.00	Sqm		
60	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg., for doors, including cost of cutting floors , embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge. With brass cover plate minimum 1.25 mm thickness.	2.00	Each		
61	Providing and fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-charge complete.				
a	205 X 19 mm	60.00	Each		
b	255 X 19 mm	160.00	Each		
62	Providing and fixing aluminium tubular handle bar 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws etc .complete as per direction of Engineer-in-Charge.Powder coated minimum thickness 50 micron aluminium tubular handle bar	184.00	Each		
63	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete	70.00	Each		

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
64	Providing and fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete. Powder coated minimum thickness 50 micron aluminium	220.00	Each		
65	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc.to be paid separately).	5.00	Each		
66	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry	55.00	Sqm		
67	Providing and supplying aluminium extruded tubular and other aluminium sections as per the architectural drawings and approved shop drawings , the aluminium quality as per grade 6063 T5 or T6 as per BS 1474,including super durable powder coating of 60-80 microns conforming to AAMA 2604 of required colour and shade as approved by the Engineer-in-Charge. (The item includes cost of material such as cleats, sleeves, screws etc. necessary for fabrication of extruded aluminium frame work. Nothing extra shall be paid on this account).	580.00	Kg		
68	Designing, fabricating, testing, protection, installing and fixing in position semi (grid) unitized system of structural glazing (with open joints) for linear as well as curvilinear portions of the building for all heights and all levels, including:				

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
	a) Structural analysis & design and preparation of shop drawings for the specified design loads conforming to IS 875 part III (the system must passed the proof test at 1.5 times design wind pressure without any failure), including functional design of the aluminum sections for fixing glazing panels of various thicknesses, aluminium cleats, sleeves and splice plates etc. gaskets, screws, toggles, nuts, bolts, clamps etc., structural and weather silicone sealants, flashings, fire stop (barrier)-cum-smoke seals, microwave cured EPDM gaskets for water tightness, pressure equalisation & drainage and protection against fire hazard including				
	b) Fabricating and supplying serrated M.S. hot dip galvanised/Aluminium alloy of 6005 T5 brackets of required sizes, sections and profiles etc. to accommodate 3 Dimentional movement for achieving perfect verticality and fixing structural glazing system rigidly to the RCC/ masonry/structural steel framework of building structure using stainless steel anchor fasteners/ bolts, nylon seperator to prevent bimetallic contacts with nuts and washers etc. of stainless steel grade 316, of the required capacity and in required numbers.				
	c) Providing and filling, two part pump filled, structural silicone sealant and one part weather silicone sealant compatible with the structural silicone sealant of required bite size in a clean and controlled factory / work shop environment , including double sided spacer tape, setting blocks and backer rod, all of approved grade, brand and manufacture, as per the approved sealant design, within and all around the perimeter for holding glass.				
	d) Providing and fixing in position flashings of solid aluminium sheet 1 mm thick and of sizes, shapes and profiles, as required as per the site conditions, to seal the gap between the building structure and all its interfaces with curtain glazing to make it watertight.				

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
	e) Making provision for drainage of moisture/ water that enters the curtain glazing system to make it watertight, by incorporating principles of pressure equalization, providing suitable gutter profiles at bottom (if required), making necessary holes of required sizes and of required numbers etc. complete. This item includes cost of all inputs of designing, labour for fabricating and installation of aluminium grid, installation of glazed units, T&P, scaffolding and other incidental charges including wastages etc., enabling temporary structures and services, cranes or cradles etc. as described above and as specified.				
	The item includes the cost of getting all the structural and functional design including shop drawings checked by a structural designer, dully approved by Engineer-in-charge. The item also includes the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working structural glazing as specified, cleaning and protection till the handing over of the building for occupation. In the end, the Contractor shall provide a water tight structural glazing having all the performance characteristics etc. all complete as required, as per the Architectural drawings, as per item description, as specified as per the approved shop drawings and as directed by the Engineerin-, Charge.				
	Note:- 1. The cost of providing extruded aluminium frames, shadow boxes, extruded aluminium section capping for fixing in the grooves of the curtain glazing and vermin proof stainless steel wire mesh shall be paid for separately under relevant items under this subhead However, for the purpose of payment, only the actual area of structural glazing (including width of grooves) on the external face shall be measured in sqm. up to two decimal places.				

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
	Note:-2. The following performance test are to be conducted on structural glazing system if area of structural glazing exceeds 2500 Sqm from the certified laboratories accredited by NABL(National Accreditation Board for Testing and Calibration Laboratories), Department of Science & Technologies, India. Cost of testing is payable separately. The NIT approving authority will decide the necessity of testing on the basis of cost of the work, cost of the test and importance of the work. Performance Testing of Structural glazing system Tests to be conducted in the NBL Certified laboratories				
	1. Performance Laboratory Test for Air Leakage Test (-50pa to – 300pa) & (+50pa to +300pa) as per ASTM E-283-04 testing method for a range of testing limit 1 to 200 mVhr"				
	2. Static Water Penetration Test. (50pa to 1500pa) as per ASTM E- 331-09 testing method for a range up to 2000 ml."				
	3. Dynamic Water Penetration (50pa to 1500pa) as per AAMA 501.01- 05 testing method for a range upto 2000 ml"				
	4. Structural Performance Deflection and deformation by static air pressure test (1.5 times desing wind pressure without any failure) as per ASTM E-330-10 testing method for a range upto 50 mm"				
	5. Seismic Movement Test (upto 30 mm) as per AAMA 501.4-09 testing method for Qualitative test" Tests to be conducted on site				
	6. Onsite Test for Water Leakage for a pressure range 50 kpa to 240 kpa (35psi) upto 2000ml"	90.00	Sqm		

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
69	Providing and supplying Spandrel Glass Panels comprising of 6 mm thick heat strengthened monolithic float glass of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade so as to match the colour and shade of the IGUs in the vision panels etc. ,all complete for the required performances as specified, as per the Architectural drawings, as per the approved shop drawings, as specified, and as directed by the Engineer- in-Charge. For payment, only the actual area of glass on face # 1 of the glass panels (but excluding the area of grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm.(Payment for fixing of Spandrel Glass Panels in the curtain glazing is included in cost of relevent Item*).				
	(i) Coloured tinted float glass 6mm thick substrate with reflective soft coating on face # 2, having properties as visible Light transmittance (VLT) of 25 to 35%, Light reflection internal 10 to 15%, light reflection external 10 to 20%, shading coefficient (0.25-0.28) and U value of 3.0 to 3.3 W/m2 degree K etc. The properties of performance glass shall be decided by technical sanctioning authority as per the site requirement.	90.00	Sqm		
70	Supplying and fixing Double Leaf Stainless Steel Door Size-2000mm(W) x 2400mm (H) 45mm (THK) PUF Infill Door Leaf - 0.8mm Thk Stainless steel sheet Door Profile - 1.0 mm Thk Stainless steel sheet Double Glazed Vision Panel with 5mm clear glass (200 x 300mm) With Door Closure and standard Hardware. Manfr. Metaflex or equalent as approved by the Engineer in charge	1.00	Each		
<u>SEPTIC TANK&SOAK PIT</u>					
EARTH WORK					
71	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		

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
72	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		
73	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				
74	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				
75	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		
76	Centering and shuttering including strutting, propping etc. and removal of form for :Lintels, beams, plinth beams, girders, bressumers and cantilevers	93.00	Sqm		
77	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				
78	Extra for plastering on circular work not exceeding 6 m in radius:In two coats	10.00	Sqm		

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
79	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 & SANITORY INSTALLATIONS				
80	Providing and jointing PVC110mm PVC pipes of (pressure 4 kg/cm2) for drainage line including testing of joints etc complete. (Rain water Down pipe) 110mm diameter (OD)	2.00	Rm		
81	Providing and jointing PVC110mm PVC TEE of (pressure 4 kg/cm2) for drainage line including testing of joints etc complete. (Rain water Down pipe)	2.00	Each		
	DRAINAGE WORKS				
82	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		
83	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		
	SUMP				
84	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	87	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	81	Cum		

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
86	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations yard levelling etc., in layers not exceeding 20cm in depth: consolidating each deposited layer by ramming and watering etc complete, and form uniform level .	27	Cum		
87	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)	5	Cum		
88	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge.				
	(Note :- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately).				
	a) All work up to plinth level. (M25)	33	Cum		
89	Add for using extra cement in the items of design mix over and above the specified cement content therein M25 concrete .	14	Qntl		

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
90	Centering and shuttering including strutting, propping etc., and removal of form for,				
a	Foundations, Footings, bases of columns,etc for mass concrete.	9	Sqm		
b	Walls any thickness including attached pilasters butteresses,Plinth and string courses etc.	169	Sqm		
c	Suspended floors, roofs, landings, Balconies and access platform	37	Sqm		
91	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto Plinth level.Termo – Mechanically Treated Bars	3300	Kg		
92	12 mm cement plaster 1:3 (1 cement: 3 fine sand) finished with a floating coat of neat cement of mix :including providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers.	169	Sqm		
93	Supplying and fixing 560 mm dia C.I. cover with frame (Heavy duty) for sump the total weight of cover and frame to be not less than 208 kg (weight of cover 108 kg and weight of frame 100 kg) :	3.00	Each		

PLUMBING

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
94	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I.brackets, 40mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required :W.C. pan with ISI marked white solid plastic seat and lid.	23	Each		
95	Providing and fixing wash basin (including counter type) with C.I. brackets, 15 mm C.P. brass pillar taps,32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require : White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	28	Each		
96	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.	4	Each		
97	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms. 15 mm nominal bore	31	Each		
98	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..	4	Each		
99	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..	74	Each		

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
100	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.,	28	Each		
101	Providing and fixing PVC Waste pipe for sink or wash basin including PVC waste fittings complete.:Semi rigid pipe 32mm dia	28	Each		
102	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.	28	Each		
103	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.	48	Each		
104	Providing and fixing Toilet paper holder . Make:Hindware,Cera,Jaquar etc...:C.P Brass	23	Each		
105	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.	25	Each		
106	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.	48	Each		

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
107	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)	23	Set		
108	Providing and fixing PTMT swivelling shower, 15mm nominal bore. Weighing not less than 40gms.	4	Each		
109	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for Hot and Cold water supply including all CPVC plain and brass threaded 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 charge. Make: Supreme, Finolex, Prince etc.,				
	Internal Work - Exposed on wall				
a)	20mm nominal outer dia.Pipes	60.00	Rm		
b)	25mm nominal outer dia.Pipes	200.00	Rm		
c)	32mm nominal outer dia.Pipes	250.00	Rm		
110	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for Hot and Cold water supply including all CPVC plain and brass threaded 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.,				
	Concealed work including cutting chases and making good the wall etc.				

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
a)	15mm nominal outer dia.Pipes	30.00	Rm		
b)	20mm nominal outer dia.Pipes	150.00	Rm		
c)	25mm nominal outer dia.Pipes	250.00	Rm		
d)	32mm nominal outer dia.Pipes	50.00	Rm		
111	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	10	Each		
112	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		
113	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.	50	Each		
114	Providing and fixing on wall face unplasticised Rigid PVC 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.(i) Single socketed pipes. 110 mm diameter	220	Rm		

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
115	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC 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	50	Each		
b)	110x110x110 mm Single tee with door	25	Each		
c)	110 mm bend	50	Each		
d)	110 mm Shoe	22	Each		
116	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50mm 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 wall etc. complete.110 mm	220	Each		
117	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	20	Each		
118	Providing and fixing PVC soil, waste and vent pipe to IS : 13592 of SWR quality, including all fittings, like EG : 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)	100.00	Rm		

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
b)	63mm dia (6kg / sq.cm)	150.00	Rm		
c)	75mm dia (6kg / sq.cm)	150.00	Rm		
d)	110mm dia (6 kg / sq.cm)	200.00	Rm		
e)	160mm dia (6 kg / sq.cm)	200.00	Rm		
119	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	55	Each		
120	Providing and fixing PTMT grating of approved quality and colour.Circular type.100 mm nominal dia.	55	Each		
121	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	18	Each		

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
b)	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	5	Each		
122	Extra for depth for manholes				
a)	Size 90x80 cm: With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	20	Rm		
b)	Size 120x90 cm: with common burnt clay F.P.S. (non modular) bricks of class designation 7.5	10	Rm		
123	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	15	Each		
124	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.	100.00	Rm		
125	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	100.00	Rm		

Item No	Details of items	Quantity	Unit	Rate Rs (In figures & words)	Amount in Rs
126	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	20000.00	Ltrs		
	TOTAL PART I				