

**NAME OF WORK : ESTABLISHMENT OF NON- COMMUNICABLE DISEASE AND GERIATRIC CARE FOR INDIAN  
INSTITUTE OF DIABETES AT PULAYANARKOTTA, TRIVANDRUM - PHASE 11**

	<b>PART I- CIVIL WORKS</b>				
<b>Item No</b>	<b>Description of Item</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate Rs in figures &amp; words</b>	<b>Amount in Rs</b>
	<b>SUB HEAD - I EARTH WORK EXCAVATION</b>				
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.	800.00	sqm		
2	Felling trees of girth (measured at a height of 1m above ground level), including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unsearviceable material.				
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	5.00	Each		
3	Supplying chemical emulsion in sealed containers including delivery as specified Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	155.00	Litre		
4	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.:With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration	68.50	Rm		
5	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	225.17	Cum		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
6	Earth work excavation in foundation trenches or drains (not exceeding 1.5m in width or 10sqm on plan)including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m All kinds of soil.	1335.58	Cum		
7	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. All kinds of soil	259.31	Cum		
8	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.	936.92	Cum		
9	Supplying and filling in plinth with Msand under floors including watering, ramming, consolidating and dressing complete. / M sand	110.48	Cum		
	SUB HEAD - II - PLAIN CEMENT CONCRETE				
10	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	252.36	Cum		
11	Providing and laying damp-proof course 40 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size).and Applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7 kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	37.15	sqm		
12	Making plinth protection 50 mm thick of cement concrete 1:3:6 ( 1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size , well grouted with fine sand,including finshing top smooth.	98.70	sqm		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
	<b>SUB HEAD - III - REINFORCED CEMENT CONCRETE</b>				
13	Providing and laying in position specified grade of reinforced cement concrete, 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)	428.99	Cum		
14	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	114.16	Cum		
15	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	398.80	Cum		
16	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	9.10	Cum		
17	Reinforced cement concrete work in vertical and horizontal fins individually or forming louvers ,facias and eaves boards upto floor five level, excluding the cost of centering ,shuttering , finishing and reinforcement with 1:1.5:3 (1 cement :1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	7.73	Cum		
18	Providing ,hoisting and fixing upto floor five level precast reinforced cement concrete in shelves , including setting in cement mortar 1:3 (1 cement: 3 coarse sand) cost of required centering , shutttering and finishing with neat cement punning on exposed surfaces but excluding the cost of reinforcement with 1:2:4 (1 cement : 2 coarse sand :4 graded stone aggregate 12.5 mm nominal size)	2.63	Cum		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
19	Providing, hoisting and fixing up to floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like, including the cost of required centering, shuttering but excluding cost of reinforcement, with 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size).	1.95	Cum		
20	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	116139.78	kg		
	Centering and shuttering including strutting, propping etc. and removal of form for				
21	Foundations, footings, bases of columns, etc. for mass concrete	964.71	Sqm		
22	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	279.08	Sqm		
23	Suspended floors, roofs, landings, balconies and access platform	2235.57	Sqm		
24	Lintels, beams, plinth beams, girders, bressumers and cantilevers	1930.40	Sqm		
25	Columns, Pillars, Piers, Abutments, Posts and Struts	1099.24	Sqm		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
26	Stairs, (excluding landings) except spiral-staircases	174.02	Sqm		
27	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).	2250.00	Sqm		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
	SUB HEAD IV : BRICK WORK				
28	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)	20.50	Cum		
29	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)	565.94	Cum		
30	Half brick masonry 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. Cement mortar 1:4 (1 cement :4 coarse sand	782.07	Sqm		
31	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	782.07	Sqm		
	SUB HEAD :V STONE WORK				
32	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with : Cement mortar 1:6 (1 cement : 6 coarse sand)	435.12	Cum		
33	Supplying and cladding rubble of random sizes with a minimum thickness of 3/4" to 1" using CM 1:3 on the already plastered wall and pointing with CM 1:3 to a minimum gap of 1/2" between rubble stones including cost and conveyance of all materials , transportation, loading and unloading , hire and labour charges for cladding & scaffolding etc complete	290.65	Sqm		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
	SUB HEAD VI GRANITE WORK				
34	Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge :a. Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	243.90	Sqm		
35	Providing and fixing 18 mm 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, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), 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. 8.2.2 Granite of any colour and shade. Area of slab over 0.50 sqm	29.06	Sqm		
36	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite work	630.46	Rm		
37	Stone tile (polished) work for wall lining over 12 mm 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	60.48	Sqm		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
38	Providing and fixing stone slab with size 75x50 cm deep and 1.8 cm thick table rubbed, edges rounded and polished, of, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-Charge and finished smooth.				
	Granite Stone of approved shade.	1.50	Sqm		
39	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter 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		
	SUB HEAD VII: STEEL WORK				
40	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. 9.48.2 Fixed to openings /wooden frames with rawl plugs screws etc.	2464.02	Kg		
41	Steel work in built up tubular ( round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes	4183.20	Kg		
42	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 10.6.2 80x1.20 mm M.S. laths with 1.20 mm thick top cover	32.85	Sqm		



Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
43	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.).	504.44	kg		
	SUB HEAD VIII : FLOORING				
44	Providing and fixing 1st quality ceramic glazed joint free wall tiles 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 size 300 x 450mm 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 @ 3.3 kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	2590.27	Sqm		
45	Providing and laying vitrified floor tiles in different sizes 10mm thickness ( matt/glossy/antiskid ) with water absorption less than 0.08% and conforming to IS : 15622, of JOHNSON, NITCO, ORIENT, KAJARIA or 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 (Basic rate of tile not less than 880/m2)	1929.58	Sqm		
46	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). Medium shade pigment using 50% white cement 50% Grey cement	235.59	Sqm		
47	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 coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.	480.00	Sqm		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
48	Providing and fixing homogeneous antistatic Polyvinyl chloride sheet roll from fused jointed in flooring and skirting in approved pattern on a smooth and damp proof base using rubber based adhesives of approved quality and manufacturer like Dunlop S-758, Fevicol SR 998, Pidilite or equivalent as per IS 3462,BS 2050 & BS 3261 including rolling with light wooden roller weighing about 5 kg and having surface resistance in the range of 4x10 <sup>4</sup> Ω-5x10 <sup>8</sup> Ω all complete as directed by Engineer-in-charge, in approved colour and shade.- Pidilite Roffler antistatic SL or equivalent. .2 mm Thick sheet	110.44	Sqm		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
	SUB HEAD IX : ROOFING				
49	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	238.00	Rm		
50	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 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 wall etc. complete ,110 mm	168.00	Each		
51	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15cm diameter and weighing not less than 440 grams.	28.00	Each		
52	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 :-				
	Bend 87.5°				
	110 mm bend.	84.00	each		
53	Shoe( plain)				
	110 mm shoe	28.00	each		
54	Supplying and fixing Leaxan Polycarbonate sheet roofing 6 mm multiwall bronze (Manufactured by GE Plastics India Private Ltd) over the framework using special MS extrusions of size 50x22.5mmwith rubber gasket applying silicon sealent and support wherever necessary(Rate is inclusive of framework including support, painting etc).Nothing etc shall be paid on pattern of framework.	146.25	Sqm		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
55	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to ncluding fixing perimeter channels 0.5 mm thick 27 mm				
	centre,shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I.wire at every junction, i high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugsat 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :				
	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- Part I	913.33	Sqm		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
56	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 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, 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 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners. 4 mm GI adjustable rods with 12.5 mm thick square edge PVC Laminated Gypsum Tile of size 595x595 mm, made of Gypsum plasterboard, manufactured from natural gypsum as per IS 2095 part I and laminated with white 0.16mm thick fire retardant PVC film on the face side and 12micron metalized polyester on the back side with all edges sealed with the face side PVC film which goes around and wraps the edges and is bonded to the edges and the back side metalized polyester film so as to make the tile a completely sealed unit.	47.52	sqm		
	SUB HEAD X : FINISHING				
57	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand)	4419.83	sqm		
58	12 mm cement plaster of mix 1:4 (1 cement: 4 fine sand)	2942.03	sqm		
59	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine sand).	2364.87	Sqm		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
60	12 mm cement plaster finished with a floating coat of neat cement of mix : (1 cement: 4 fine sand)	87.71	Sqm		
61	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : Water thinnable cement primer	7274.14	Sqm		
62	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade : Two or more coats on new work .	6848.42	Sqm		
63	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)	2161.93	Sqm		
64	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :-				
	Two or more coats on new work .	371.10	Sqm		
65	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	490.99	Rm		
66	Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) : Flush/ Ruled pointing	66.60	sqm		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
67	Polishing on wood work with ready mixed wax polish of approved brand and manufacture :New work	85.01	Sqm		
	SUB HEAD XI : PVC & WOOD WORK				
68	Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance $\pm 1\text{mm}$ ), with wall thickness 2.0 mm ( $\pm 0.2\text{ mm}$ ), corners of the door frame to be Jointed with galvanized brackets and stainless steel screws, joints mitred and Plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19 mm and 1mm ( $\pm 0.1\text{ mm}$ ) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineer- in-charge 9.117.1 Extruded section profile size 48x40 mm	263.80	Rm		
69	24 mm thick factory made PVC door shutters made of styles and rails of a uPVC hollow section of size 59x24 mm and wall thickness 2 mm ( $\pm 0.2\text{ mm}$ ) with inbuilt edging on both sides. The styles and rails mitred and joint at the corners by means of M.S. galvanised/plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm ( $\pm 0.1\text{ mm}$ ) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x24 mm and 2 mm ( $\pm 0.2\text{ mm}$ ) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm ( $\pm 0.1\text{ mm}$ ) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge. (For W.C. and bathroom door shutter). sqm	86.52	Sqm		
70	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).				
	Second class teak wood	0.79	Cum		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
71	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressedbutt 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.				
	Second class teak wood 35 mm thick shutters	20.88	Sqm		
72	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 :				
	Second class teak wood	28.16	Sqm		
73	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm 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)	96.00	Each		
74	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	16.00	Each		



Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
	SUB HEAD XII : SANITARY INSTALLATIONS& WATER SUPPLY				
75	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 : 17.1.1 White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	2.00	each		
76	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, 40 mm 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 Make:Hindware,Cera,Jaquar etc.,	12.00	each		
77	Providing and fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/ 6 litre (adjustable to 4 litre/ 8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete.	16.00	Each		
78	Providing and fixing white vitreous wash down water closet (MATRIX Set-1) of Hindware Cat. No. 70002 including wash basin (600 x 350mm) with one pair mounting brackets, C P pillar tap Jaquar Cat. No. 15001, EWC & cistern complete with fittings and seat cover, one no. hinged rail 760mm and five nos. of grab rail 600mm complete all respect.	4.00	Each		
79	Providing and fixing wash basin 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 Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap Make:Hindware,Cera,Jaquar etc.,	19.00	Each		
80	Providing and fixing white glazed vitreous china wash basins with C.P. pillar tap, 32mm C.P. brass waste, 32mm C.P. bottle trap and unions and sealing of joints between wash basins and counter slabs around the wash basins with Silicone rubber cement of approved make of matching colour all complete including cutting and making good the walls and floors where required.				

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
	Hindware Wash basin ZEN Cat. No. 10049 (under counter) oval shape (560cm x 430cm) or approved equivalent make with CP pillar tap (Pillar tap shall be paid separately)	18.00	Each		
81	Providing and fixing CP pillar cock auto closing system instead of pillar tap (Jaquar cat. No. 031 or approved equivalent).	14.00	Each		
82	Providing and fixing sensor enabled CP pillar cock with required fixtures as directed by the engineer in charge. (Parry ware Pelican E tap DC T 7183 A1 )	4.00	Each		
83	Providing and fixing white vitreous china battery based infrared sensor operated urinal of approx. size 610 x 390 x 370 mm having pre & post flushing with water ( 250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge.	6.00	each		
84	Providing and fixing C.P brass towel rails JAQUAR Cat. No. 1111 or approved equivalent complete with C.P. brass brackets fixed to rawl plug of approved design with C.P. brass screws.	50.00	Each		
85	Providing and fixing CP brass towel ring JAQUAR Cat. No. 1121 or approved equivalent fixed to rawl plug of approved design with CP brass screws.	25.00	Each		
86	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.	50.00	each		
87	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				

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
	510x1040 mm bowl depth 200 mm	6.00	Each		
88	Providing and fixing elbow operated pillar cock (Parry ware Conventina (medi series) T 1602 A1)	5.00	Each		
89	Providing and fixing P.V.C waste pipe for sink or wash basin, including P.V.C waste fittings complete :-				
	Flexible pipe :-32 mm dia.	50.00	Each		
90	Providing and fixing PVC trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors				
	a)100mm inlet and 75mm outlet.	70.00	Each		
91	Providing and fixing C.P. brass twin robe hooks, JAQUAR Cat. No. 1161 or approved equivalent.	32.00	Each		
92	Providing and fixing stainless steel soap dish Jaquar Cat. No. 1131 or approved equivalent.	70.00	Each		
93	Providing and fixing liquid soap dispenser with push lever assembly complete with soap refill - Chilly Cat. No. LSD01 make or approved equivalent.	5.00	Each		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
94	Providing and fixing hand shower (Health Faucet) with 6mm dia., 1 m long PVC tube and wall hook all complete Jaquar Cat. No. 563 or equivalent.	34.00	Each		
95	Providing and fixing CP brass two way bib tap Jaquar Cat. No. 15037.	16.00	Each		
96	Providing and fixing CP brass shower with revolving ball joint Jaquar Cat No. 493 with shower arm Jaquar Cat. No. 483 or approved equivalent.	16.00	Each		
97	Providing and fixing CP concealed stop cock with adjustable wall flange. Jaquar Cat. No. 15083 or approved equivalent.	25.00	Each		
98	Providing and fixing S.S. hinged grating, 6mm thick with frame Chilly Cat. No. SKH-06 or approved equivalent) including setting in floor with cement mortar 1:3.	70.00	Each		
99	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms. 15mm nominal bore	42.00	Each		
	WATER SUPPLY				
100	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & 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 Charge.				
	Concealed work, including cutting chases and making good the walls etc.				
a	15mm nominal outer dia. Pipes	75.00	Rm		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
b	20mm nominal outer dia. Pipes	100.00	Rm		
c	25mm nominal outer dia. Pipes	110.00	Rm		
d	32mm nominal outer dia. Pipes	50.00	Rm		
101	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.				
	Internal work - Exposed on wall				
a	15 mm nominal outer dia .Pipes.	120.00	Rm		
b	20 mm nominal outer dia .Pipes.	250.00	Rm		
c	25 mm nominal outer dia .Pipes.	300.00	Rm		
d	32 mm nominal outer dia .Pipes.	280.00	Metre		
e	40 mm nominal outer dia .Pipes.	300.00	Rm		
f	50 mm nominal outer dia .Pipes.	150.00	Rm		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
102	Providing and fixing unplasticised rigid P.V.C pipe conforming to IS Standards(pressure 6kg/cm2) in drainage lines including cutting and making good the walls, cutting and refilling of earth, jointing all etc complete				
a	75mm dia	300.00	Rm		
b	110mm dia	400.00	Rm		
c	160mm dia	120.00	Rm		
103	Providing & fixing PVC Fittings and fixtures Conforming IS specifications including cutting and making good the walls etc complete				
a	110mm dia plain elbow	40.00	each		
b	75mm dia plain elbow	45.00	each		
c	110mm dia door elbow	38.00	each		
d	75mm dia door elbow	50.00	each		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
e	110mm dia plain bend	60.00	each		
f	75mm dia plain bend	50.00	each		
g	110mm dia door tee	35.00	each		
h	75mm dia door tee	60.00	each		
i	110mm dia air cowl	15.00	each		
j	75mm dia air cowl	20.00	each		
k	110mm dia Y	15.00	each		
l	75mm dia offset	35.00	each		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
104	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15mm nominal bore	20.00	each		
105	Providing and fixing unplasticised P.V.C connection pipe with brass unions :- 45 cm length 15MM nominal bore	125.00	each		
106	Providing and fixing gun metal gate valve with CI wheel of approved quality(screwed end) – 25mm dia nominal bore	20.00	each		
a	32mm dia nominal bore	12.00	each		
b	40 mm dia nominal bore	10.00	each		
c	50 mm dia nominal bore	5.00	each		
107	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 over flowpipes but without fittings and the base support for tank.	15000.00	per litre		
108	Providing and fixing ball valve (brass) of approved quality complete.High or low pressure with plastic floats 20mm nominal bore	5.00	each		
	DRAINAGE				



Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
109	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 40 mm nominal size), inside plastering 12 mm 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 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : 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	15.00	each		
110	Extra for depth for manholes Size 90x80 cm With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	5.00	Rm		
111	Constructing soak pit 1.20x1.20x1.20 m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.	5.00	each		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
	SUB HEAD XIII : SEPTIC TANK & SOAK PIT				
	Earth Work Excavation				
112	Earth work in excavation in foundation trenches or drains ( not exceeding 1.5m 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 :-	215.00	cum		
	Plain Cement Concrete				
113	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth :				
	1 : 5 : 10 ( 1 Cement : 5 coarse sand : 10graded stone aggregate 40 mm nominal size).	5.00	cum		
	Reinforced Cement Concrete				
	Centering and shuttering including strutting, propping etc. and removal of form for				
114	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	16.00	sqm		
115	Suspended floors, roofs, landings, balconies and access platform	51.00	sqm		
116	Providing and laying in position specified grade of reinforced cement concrete including the cost of centring, shuttering, finishing and excluding the cost of reinforcement - All work upto plinth level				
	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	19.00	cum		
	Brick work				

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
117	Brick work with bricks of class designation 50 superstructure above plinth level upto floor V level in cement mortar 1 cement : 6 coarse sand.				
	(a) Cement mortar 1:6 (1 cement : 6 fine sand)	24.00	cum		
118	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 ).	5.00	sqm		
	Finishing				
119	12 mm cement plaster finished with a floating coat of neat cement of mix :-				
	1 : 3 ( 1 cement : 3 fine sand ) .	111.00	sqm		
120	12 mm cement plaster of mix : 1:6 (1 cement: 6 coarse sand)	93.00	sqm		
	Flooring				
121	Cement concrete flooring 1 : 2 : 4 ( 1 cement :2 coarse sand : 4 graded stone aggregate ) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete :-				
	50 mm thick with 20 mm nominal size stone aggregate .	39.27	Sqm		
122	Providing C.I. foot rests including fixing in manholes with 20 x 20 x 10 cm cement concrete blocks 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size ) as per standard design :- With 20 mm diameter round bar				

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
	With 20 mm diameter round bar .	8.00	each		
123	Supplying and fixing C.I. cover with frame for manholes,455 x 610 mm rectangular C.I cover ( light duty ), the weight of the cover to be not less than 23 kg.	4.00	each		
124	Making soakpit 2.5 m diameter 3.0 meter deep with 45 x 45 cm dry brick honey comb shaft with bricks of class designation 75 and PVC drain pipe 100 mm diameter, 1.8 m long complete as per standard design :- With F.P.S. bricks.	1.00	each		
125	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) upto haunches of PVC. pipes including bed concrete as per standard design :				
	100 mm diameter PVC. pipe	35.00	Rm		
	SUB HEAD : XIV WATER PROOFING				
126	Grading roof for water proofing treatment with Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	31.20	Cum		
127	Providing 12mm thick cement plaster of mix1:3 (1cement:3course sand) finished with floating coat of neat admixed with water proofing material impermo or equivalent over terrace for water proofing treatment	1039.84	Sqm		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
128	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.	157.77	Sqm		
	SUB HEAD XV ROAD WORK				
129	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including levelled and neatly dressed. All kinds of soil	675.00	cum		
130	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm. depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth lead upto 50 metres.	3300.00	sqm		
131	Extra for compaction of earth work in embankment under optimum moisture conditions to give at least 95% of the maximum dry density (proctor density).	180.00	cum		
	Supplying and stacking at site.				
132	90 mm to 45 mm size stone aggregate.	115.70	cum		
133	63 mm to 45 mm size stone aggregate.	89.00	cum		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
134	53 mm to 22.4 mm size stone aggregate.	89.00	cum		
135	Stone screenings 13.2mm nominal size	56.07	cum		
136	Stone screenings 11.2mm nominal size	54.29	Cum		
137	Good earth	647.70	cum		
138	Laying , spreading and compacting stone aggregate of specified sizes to WBM specifications including spreading in uniform thickness, hand picking , rolling with 3 wheeled road / vibratory roller 8-10 tonne in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate watering and compacting to the required density .	293.70	cum		
139	Providing and applying tack coat using hot straight run bitumen of grade 80/ 100 including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications :	890.00	sqm		
140	2.5 cm premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of 13.2mm and 11.2mm size respectively per 100 sqm. and 52 kg. and 56 kg. of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively including a tack coat with hot straight run bitumen including consolidation with road roller of 6 to 9 tonne capacity etc. complete. (tack coat to be paid for separately) :				

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
	With paving Asphalt 80/100 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt.	890.00	sqm		
141	Providing and laying seal coat of premixed fine aggregate ( passing 2.36 mm and retained on 180 micron sieve) with bitumen using 128 kg of bitumen of grade 80 / 100 bitumen per cum of fine aggregate and 0.60 cum of fine aggregate per 100 sum of road surface including rolling and finishing with road roller all complete.	890.00	sqm		
	SUB HEAD XVI : ALUMINIUM WORK				
142	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) :: Powder coated aluminium (minimum thickness of powder coating 50 micron) For fixed portion:	1287.01	kg		
143	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)	459.34	kg		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
144	Providing and fixing 12 mm 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	61.45	sqm		
	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):				
145	float glass panes of 5.50 mm thickness	67.60	sqm		
	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):				
146	float glass panes of 4.0 mm thickness	136.89	sqm		
147	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . With toughened glass panes of 8.0 mm thickness	12.60	sqm		



Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
148	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment).	120.00	kg		
149	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. stainless steel cover plate minimum 1.25 mm thickness	41.00	each		
150	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete				
	2500x16 mm	40.00	Each		
	9.100 Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
151	125 mm	114.00	Each		
152	100mm	80.00	each		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
153	250 X 10 mm	114.00	Each		
154	150x10mm	80.00	Each		
155	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.	16.00	each		
156	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete..	29.00	Each		
	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 Engineerin- charge complete.				
157	255 x19 mm	394.00	Each		
158	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. Twin rubber stopper	57.00	each		

Item No	Description of Item	Quantity	Unit	Rate Rs in figures & words	Amount in Rs
159	Providing and fixing frosted/mat film of thickness 25 microns self adhesive of approved colour, shade and quality with cutting as per approved design and pattern including cleaning of glass and making surface smooth for fixing of film all complete as per direction of Engineer in charge to glazed window/doors	179.19	Sqm		
160	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).	6.30	Sqm		
161	Supply & fixing of stain finish stainless steel 304 grade d-line DPL or equivalent 19mm dia C shape lever handle set complete with entrance lockcase of 55mm back set having latch and lock with double through locking bolt operated with one side key other side thumb lump cylinder, including cost of material and labour as directed by Engineer -in- charge.	4.00	Each		
162	Providing & fixing stainless steel 304 grade hanging floor door stopper with necessary screws etc. complete				
	Double stopper	20.00	Each		
	<b>SUBHEAD XVII DISMANTLING AND DEMOLISHING</b>				
163	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	12.94	Cum		
164	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge : In cement mortar	12.18	Cum		
	<b>Total Part I - Civil Works</b>				