

**CONSTRUCTION OF NEW BLOCK, BOUNDARY WALL AND RENOVATION WORK AT RSETI PEREN**

Sl. No.	Description of work	Unit	Quantity	Rate	Amount
<b>A</b>	<b>CONSTRUCTION OF NEW BLOCK OF SIZE : 11m x 6 m WITH SANITARY FITTINGS</b>				
<b>1</b>	<b>EARTH WORK :</b>				
1.1	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.	cum	74.34		
1.2	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.	cum	59.47		
2	PCC WORK : 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 (zone-III) : 6 graded stone aggregate 20 mm nominal size)	cum	15.00		
3	RCC WORK : Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland / Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete.				
3.1	<b>All works upto plinth level : Concrete of M25 grade with minimum cement content of 330 kg /cum</b>	cum	20.00		
3.2	<b>All works above plinth level to all level. Concrete of M25 grade with minimum cement content of 330 kg /cum</b>	Cum	20.00		
4	DPC WORK : Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III): 4 graded stone aggregate 12.5mm nominal size)	sqm	11.80		
<b>5</b>	<b>SHUTTERING AND FORM WORK : Centering and shuttering including strutting, propping etc. and removal of form for</b>				
i	Foundations, footings, bases of columns, etc. for mass concrete	sqm	26.55		
ii	Columns, Pillars, Piers, Abutments, Posts and Struts ( including circular columns)	sqm	35.40		
iii	Lintels, beams, plinth beams, girders, bressumers and cantilevers	sqm	59.00		
iv	Suspended floors, roofs, landings, balconies and access platform	sqm	17.70		
v	Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	Sqm	1.00		
<b>6</b>	<b>BRICK WORK</b>				
i	Dry brick on edge flooring in required pattern with bricks of class designation 7.5 on a bed of 12 mm mud mortar, including filling joints with Jamuna sand, with common burnt clay non modular bricks.	sqm	88.50		
ii	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	4.72		
iii	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 all levels. Cement mortar 1:4 (1 cement :4 coarse sand)	sqm	88.50		
<b>7</b>	<b>IRON AND STEEL WORK : Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto all levels. Thermo-Mechanically Treated bars of grade Fe-500D or more.</b>				
<b>8</b>	<b>FLOORING :</b>				
i	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption 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), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm	Sqm	47.20		
ii	ANTISKID TILES : Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. Glazed Vitrified tiles Matt/Antiskid finish of size. Size of Tile 600 x 600 mm	Sq.m	17.70		
iii	Providing and fixing 1st quality ceramic glazed wall tiles 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 Engineerin- 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.	Sq.m	36.72		
<b>9</b>	<b>PLASTERING</b>				
i	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	sqm	224.20		

ii	15 mm cement plaster on the rough side of single or half brick wall of mix :				
a	1:4 (1 cement: 4 fine sand)	sqm	450.00		
b	1:4 (1 cement: 4 coarse sand)	sqm	15.00		
c	Neat cement punning	sqm	11.80		
10	WALL PUTTY: 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.	Sqm	900.00		
11	<b>PAINTING</b>				
i	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)	Sqm	900.00		
ii	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. Two coats	Sqm	900.00		
iii	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	Sqm	236.00		
iv	Applying priming coat: With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	sqm	42.16		
v	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture	sqm	42.16		
vi	Applying priming coat: With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	sqm	16.85		
vii	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture	sqm	28.56		
viii	Exterior Paint : Finishing wall with two coats of acrylic emulsion exterior coatings of Unicem "Rakshak" brand of required shade by thinning 1ltr. of paint with 750ml of water to give an even shade after thoroughly brooming the surfaces to remove all dirt and remains of loose powdered materials as specified and directed by the department.The rate includes primer applied @ 2.2 Kg/10 sqm.The rate also includes applying of wall putty wherever necessary and as instructed by Bank/EIC.	sqm	900.00		
12	<b>FALSE CEILING</b>				
	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 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, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 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	Sqm	250.00		
	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) :2011 (Board with BIS certification marks)				

<b>13</b>	<b>ROOFING &amp; ROOF TRUSS:</b>				
i	Providing Dyna coloured sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. 0.63 mm thick	Sqm	250.00		
ii	Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete. 0.63 mm thick with zinc coating not less than 275 gm/m <sup>2</sup>	RM	15.00		
iii	ROOF TRUSS : Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	kg	1000.00		
14	DOOR FRAME : 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	Cum	0.44		
15	BARGE BOARD : Providing and fixing fibre cement reinforced by organic fibres and/or inorganic synthetic fibres roofing accessories in all colours with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers or with self drilling fastener and EPDM washer etc. complete: Barge boards	RM	19.00		
16	DOOR WORKS : Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sq.m.	12.00		
<b>17</b>	<b>WINDOWS:</b> 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 necessaryfilling 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) :				
i	For fixed portion : Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	kg	86.00		
ii	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).Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	kg	120.00		
iii	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 4.0 mm thickness (weight not less than 10kg/sqm)	sqm	14.00		
	Extra for providing frosted glass panes 4 mm thick instead of ordinary float glass panes 4 mm thick in doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured).	sqm	2.88		
18	ANTITERMITE TREATMENT : : 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: 2.35 3.1 With Chlorpyrifos/ Lindane F.C. 20% with 1% concentration	sqm	100.00		
19	PLINTH PROTECTION : 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 necessary excavation, levelling & dressing & finishing the top smooth	Sqm	300.00		
<b>20</b>	<b>HARDWARE FITTINGS :</b>				
i	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : 300x16 mm	Each	16.00		
ii	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete : 250x10 mm	Each	8.00		
iii	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : 125 mm	Each	16.00		

iv	Providing and fixing bright finished brass door latch with necessary screws etc. complete : 300x16x5 mm	Each	1.00		
v	Providing and fixing bright finished brass door latch with necessary screws etc. complete : 300x16x5 mm	Each	4.00		
vi	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	Each	12.00		
vii	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.	Each	1.00		
<b>21</b>	<b>SANITARY FITTINGS</b>				
i	WASH BASIN : Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillartaps, 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	Each	2.00		
ii	EUROPEAN TYPE WATER CLOSET: 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.	Each	2.00		
iii	TOWEL RING : Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.	each	4.00		
iv	TOWEL RAIL : Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. 450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms	each	2.00		
v	TOILET PAPER HOLDER : Providing and fixing toilet paper holder : Vitreous china	each	1.00		
vi	BOTTLE TRAP : Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	each	6.00		
vii	SOAP DISH : Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	each	2.00		
viii	LIQUID SOAP DISPENSER : Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	each	1.00		
ix	URINAL : Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : One urinal basin with 5 litre white P.V.C. automatic flushing cistern.	Each	2.00		
x	MIRROR : Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Circular shape 450 mm dia	each	4.00		
xi	PILLAR COCK : Providing and fixing PTMT pillar cock of approved quality and colour 15 mm nominal bore, 107 mm long, weighing not less than 110 gms	Each	6.00		
xii	GLASS SHELF : Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	each	2.00		
xiii	BASIN MIXER : Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:- White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer	each	1.00		
xiv	BIB COCK : Providing and fixing brass bib cock of approved quality : 15 mm nominal bore	each	8.00		
xv	GRATING : Providing and fixing PTMT grating of approved quality and colour. Circular type 100 mm nominal dia	Each	8.00		
xvi	NON RETURN VALVE : Providing and fixing gun metal non- return valve of approved quality (screwed end) : 50 mm nominal bore Horizontal	each	2.00		
xvii	STOP COCK : Providing and fixing PTMT angle stop cock 15 mm nominal bore, weighing not less than 85 gms	each	4.00		
xviii	SHOWER: Providing and fixing PTMT swivelling shower, 15 mm nominal bore, weighing not less than 40 gms	Each	2.00		

xix	<p>PIPING: Providing and fixing Polyethylene-Aluminium-Polyethylene PE-ALPE Composite Pressure Pipes conforming to IS - 15450, U.V. stabilized with carbon black having thermal stability for hot &amp; cold water supply, capable to withstand temperature up to 80°C, including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers &amp; connectors etc., with clamps at 1.00 metre spacing. This includes testing of joints complete as per direction of the Engineer-in-charge.</p>				
a	2532(32mmOD) pipe	RM	80.00		
b	3240(40mmOD) pipe	RM	25.00		
c	4050(50mmOD) pipe	RM	25.00		
xx	<p>Providing and fixing Polyethylene-Aluminium-Polyethylene PE-AL-PE Composite Pressure Pipes conforming to IS - 15450, U.V. stabilized with carbon black having thermal stability for hot &amp; cold water supply, capable to withstand temperature up to 80°C, including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers &amp; connectors etc., with clamps at 1.00 metre spacing. This includes testing of joints complete as per direction of the Engineer-incharge. Concealed work, including cutting chases and making good the wall etc.</p>				
a	1216(16mmOD) pipe	RM	60.00		
b	1620(20mmOD) pipe	RM	13.00		
c	2025 (25 mm OD) pipe	RM	10.00		
xxi	<p>Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot &amp; cold water supply including all CPVC plain &amp; brass threaded fittings This includes jointing of pipes &amp; fittings with one step CPVC solvent cement, trenching, refilling &amp; testing of joints complete as per direction of Engineer in Charge. External work</p>				
a	150 mm dia.	RM	35.00		
b	80 mm dia.	RM	45.00		
c	50mm dia	RM	44.00		
xxii	<b>C.I. MANHOLE COVER :</b>				
i	<p>Supplying and fixing C.I. cover without frame for manholes : 455x610 mm rectangular C.I. cover (light duty) the weight of the cover to be not less than 23</p>	each	1.00		
ii	<p>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</p>	each	1.00		
iii	<p>Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 fine sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design: With common burnt clay F.P.S. (non modular) bricks of class designation 7.5</p>	each	2.00		
<b>B SEPTIC TANK</b>					
1	<b>EARTH WORK :</b>				
i	<p>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.</p>	cum	7.5		
	All kinds of soil				
ii	<p>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.</p>	cum	2.25		
2.0	<b>PCC WORK</b>				
	<p>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 : 3 coarse sand (zone-III) : 6 graded stone aggregate 40 mm nominal size)</p>	cum	0.38		
3.0	<b>RCC WORK</b>				
	<p>Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete.</p>	CUM	0.47		
	<b>All works upto plinth level : Concrete of M25 grade with minimum cement content of 330 kg /cum</b>				

4.0	<b>SHUTTERING AND FORM WORK</b>				
	Centering and shuttering including strutting, propping etc. and removal of form for slab cover	SQM	6.30		
5.0	<b>BRICK WORK</b>				
ii	Dry brick on edge flooring in required pattern with bricks of class designation 7.5 on a bed of 12 mm mud mortar, including filling joints with Jamuna sand, with common burnt clay non modular bricks.	sqm	3.75		
ii	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:4 (1 cement : 4 fine sand)	cum	3.00		
6.0	<b>IRON AND STEEL WORK</b>				
	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto all levels. Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	95.00		
7.0	<b>PLASTERING</b>				
	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	sqm	15.30		
8.0	<b>SANITARY PIPES</b>				
	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 150 mm diameter	Rm	23.00		
<b>C TILING WORK</b>					
1.0	<b>FLOORING :</b>				
	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption 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), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. The rate to include removing existing tiles, levelling of floor, etc.	Sqm	39.2		
	Size of Tile 600x600 mm				
2.0	<b>ANTISKID TILES</b>				
2.1	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement:4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.	sqm	6		
	Glazed Vitrified tiles Matt/Antiskid finish of size				
	Size of Tile 300 x 300 mm				
2.2	Providing and fixing 1st quality ceramic glazed wall tiles 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 Engineerin- 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.	sqm	21.00		
<b>D PLINTH PROTECTION</b>					
	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 necessary excavation, levelling & dressing & finishing the top smooth.	Sqm	20.00		
<b>E WATER TANK:</b>					
	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 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.	per litre	15000		
<b>F RELOCATION OF EXISTING WATER TANKS:</b>					
	Removing of existing polyethylene water storage tanks placed on roofs and placing MS bracing structure and platform and make good the dampened roof with water proof impervious layer.	each	8.00		
<b>G SANITARY &amp; WATER SUPPLY WORKS:</b>					
i	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 .	each	7		
ii	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350mm with white PVC automatic flushing cistern with fittings, standard size C.P brass flush pipe,spreaders with union and G.I clamps (all in C.P brass) with waste fitting as per IS: 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors whichever required. Single half stall urinal with 5 litre P.V.C automatic flushing cistren.	each	4		

iii	Providing and fixing wash basin with C.I./M.S. brackets, 15 mm C.P. brass pillar cocks, Kingston/Gem/Techno/Parko, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White vitreous china basin size 630x450mm with a pair of 15mm C.P brass pillar cocks.	each	10		
iv	TOWEL RING: Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.	each	10		
v	TOILET PAPER HOLDER: Providing and fixing toilet paper holder :	each	4.00		
vi	SOAP DISH: Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	each	3		
vii	MIRROR : Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Circular shape 450 mm dia	each	9		
vii	GLASS SHELF: Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail <u>complete fixed with 40 mm long screws, rawl plugs etc., complete.</u>	each	9		
viii	BIB COCK: Providing and fixing brass bib cock of approved quality 15 mm nominal bore	each	8		
ix	GRATING : Providing and fixing PTMT grating of approved quality and colour. Circular type 100 mm nominal dia	Each	15		
x	STOP COCK : Providing and fixing PTMT angle stop cock 15 mm nominal bore, weighing not less than 85 gms	each	12		
xi	PIPING:: Providing and fixing Polyethelene-Aluminium-Polyethelene PE-ALPE Composite Pressure Pipes conforming to IS - 15450, U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature up to 80°C, including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc., with clamps at 1.00 metre spacing. This includes testing of joints complete as per direction of the Engineer-in-charge. INTERNAL WORK - EXPOSED ON WALL				
	2532(32mmOD) pipe	RM	15		
	3240(40mmOD) pipe	RM	20		
	4050(50mmOD) pipe	RM	18		
xii	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work. Concealed work, including cutting chases and making good the wall etc.				
	1216(16mmOD) pipe	RM	8		
	1620(20mmOD) pipe	RM	7		
	2025 (25 mm OD) pipe	RM	10		
<b>H RAMP &amp; SS RAILING</b>					
i	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.	cum	1.91		
ii	<b>BRICK WORK : Dry brick on edge flooring in required pattern with bricks of class designation 7.5 on a bed of 12 mm mud mortar, including filling joints with Jamuna sand, with common burnt clay non modular bricks.</b>	sqm	4.78		
iii	STAINLESS STEEL RAILING : Providing and fixing stainless steel of height 750mm ( 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-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	RM	9		
<b>I PAINTING</b>					
i	WALL PUTTY: 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.	Sqm	100.00		
ii	<u>Finishing walls with Acrylic Smooth exterior paint of required shade</u> 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)	sqm	250.00		
iii	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. <u>Two coats</u>	Sqm	815.00		
iv	Applying priming coat: With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	sqm	50.00		

v	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture	sqm	50.00		
vi	Applying priming coat: With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	sqm	50.00		
vii	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture	sqm	50.00		
<b>J</b>	<b>BOUNDARY WALL: CHAIN LINK FENCING</b>				
i	EARTH WORK :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	cum	192		
ii	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.	cum	336		
iii	PCC WORK : 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 : 3 coarse sand (zone-III) : 6 graded stone aggregate 40 mm nominal size)	cum	28.00		
iv	RCC WORK : Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete.All works upto plinth level.Concrete of M25 grade with minimum cementcontent of 330 kg /cum	CUM	72.00		
v	<b>CHAIN LINK FENCING</b>				
	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge. Made of G.I. wire of dia 4 mm	SQM	1680		
vi	<b>IRON ANGLE POST</b>				
	Supplying and fixing at site Angle iron post & strut of required size including bottom to be split and bent at right angle in opposite direction for 10 cm length and drilling holes upto 10 mm dia. etc. complete.	kg	5520.00		
<b>K</b>	<b>PCC WORK FOR PATHWAY</b>				
i	<b>EARTH WORK :</b>				
	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	cum	27		
ii	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.	cum	15.75		
iii	<b>PCC WORK</b>				
	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 : 3 coarse sand (zone-III) : 6 graded stone aggregate 40 mm nominal size)	cum	10.50		
<b>L</b>	<b>Metal Sign board on road</b>				
<b>M</b>	<b>CLASSROOM DESKS</b>				
	Supply and installing CLASSROOM DESKS of size- 1500 mm x 1830 mm x 750 mm made up of 19mm thick Block board all around, finished with not less than 1mm thick laminate of colour, shade & brand as approved. The table cost to include oot rest as per design and direction by bank. Design and detail of the table shall be as per direction of EIC.	each	8		

N	FURNITURE				
i	Supply and installing workstation of size- 1500 mm x 1830 mm x 750 mm made up of 19mm thick Block board all around, finished with not less than 1mm thick laminate of colour, shade & brand as approved. The table cost to include (pedestal), three drawers of 450 mm wide made with 6mm/12mm ply on right hand side on telescopic slider and a keyboard tray 250mm wide, CPU stand, foot rest as per design and direction by bank. The credenza unit should have openable/sliding shutter cupboard and intermediate horizontal shelves made in 12 mm thick plywood. All exposed edges to have teak wood lipping/ bidding of requierd size stained to match the desk and melamine finished. All inner surface to be finished with mat finish enamel paint of approve brand. The works to include all hardwares such as: castors, brass hinges, ball catchers, fully extendable drawer slides, auto locks, handles etc. of Godrej or approved brand. Locks to be of single control type. Design and detail of the table shall be as per direction of EIC. All the surfaces to be in laminate finish & 8mm thick glass duly finished to be placed on top of table & credenza and necessary cut-out to accommodate wires, edges to be m/c polished, with ms powder coated wire manager complete.	each	7		
ii	<b>Full/Low ht storage unit:</b> Providing and fixing storage units of size 450 mm x 750 mm, made up of 19 mm thick block board of approved brand on top & vertical support and finished with not less than 0.8 mm thick laminate of approved brand on side and top. The storage units shall have openable/sliding shutters made up of 19mm thick plywood and finished in 1 mm thick laminate of approved shade. The storage units shall have intermediate horizontal and vertical shelves made in 12 mm thick plywood. All exposed edges to have teak wood lipping/bidding of requierd size, stained to match the desk and melamine finished. All inner surface to be finished with mat finish enamel paint of approve brand. The works to include all hardwares such as: castors, brass hinges, ball catchers, ,locks , handles etc. of Godrej or approved make.	each	1		
iii	Supplying and installing Godrej almirah of size 2000mmx900mmx450mm	each	7		
iv	<b>CHAIRS</b>				
	Supplying and installing Featherlite Chairs	each	12		
<b>TOTAL COST</b>					
	<b>Rates are exclusive of GST</b>				