

Name of work: Construction of RSETI Building at KISHTWAR.

PRICE BID

Sl. No.		Description of items	Unit	Qty	Rate	Amount
1	2.6	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in charge.				
	2.6.1	All kinds of soil	Cum	1122.51		
2	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	Cum	245.88		
3	2.34	Supplying chemical emulsion in sealed containers including delivery as specified. Diluting the same as per the direction of Engineer-in-charge for spray through insecticide spray or pouring the same with mugs and buckets for pre-construction treatment.				
	2.34.1	Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	Ltrs	50.00		
4	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	4.1.5	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	Cum	78.00		
5	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	4.1.5	1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	171.83		
6	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	4.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	43.28		
7	4.10	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 12.5mm nominal size derived from natural sources)	Sqm	34.26		
8	4.13	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with apiece of cloth lightly soaked in kerosene oil.	Sqm	34.26		

9	7.1	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 :				
	7.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	221.65		
10	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	252.63		
11	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	499.63		
12	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	734.13		
13	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
	5.9.3	Suspended floors, roofs, landings, balconies and access platform	Sqm	1006.24		
14	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
	5.9.7	Stairs, (excluding landings) except spiral-staircases	Sqm	50.19		
15	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
	5.9.16	Edges of slabs and breaks in floors and walls				
	5.9.16.1	Under 20 cm wide	Meter	378.58		
16	5.1	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 :				
	5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size de rived from natural sources)/M:/25 Grade of concrete whichever is on better side as per the test reports.	Cum	122.60		
17	5.2	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. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :				
	5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natu ral sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)M:/25 Grade of concrete whichever is on better side as per the test reports.	Cum	42.23		

18	5.3	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 above plinth level 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(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	Cum	243.55		
19	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	50614.27		
20	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	36.81		
21	6.4	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 :				
	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	132.61		
22	6.13	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.				
	6.13.2	Cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm	895.60		
23	13.16	6 mm cement plaster of mix :				
	13.16.1	1:3 (1 cement : 3 fine sand)	Sqm	1566.16		
24	13.1	12 mm cement plaster of mix :				
	13.1.2	1:6 (1 cement: 6 fine sand)	Sqm	2039.72		
25	13.2	15 mm cement plaster on the rough side of single or half brick wall of mix :				
	13.2.2	1:6 (1 cement: 6 fine sand)	Sqm	1448.15		
26	11.37	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	Sqm	70.82		

27	8.31	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 Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	268.90		
28	11.56	Providing and laying Polished 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.				
	11.56.1	Polished Granite stone slab colour of Black, Cherry/Ruby Red or equivalent	Sqm	148.52		
29	11.26	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :				
	11.26.1	25 mm thick	Sqm	267.44		
30	11.41A	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				
	11.41A.1	Double charge vitrified tile polished finish of size				
	11.41A.1.1	Size of Tile 600 x 600 mm	Sqm	584.36		

31	11.41	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.				
	11.41.1	Size of Tile 500x500 mm	Sqm	643.54		
32	11.48	Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge				
		Size of Tile 500x500 mm	Sqm	643.54		
33	9.1	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 NOT be paid for separately).				
	9.1.1	Second class teak wood	Cum	8.66		
34	9.5	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately)				
	9.5.1	35 mm thick shutters	Sqm	133.67		
35	9.7	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 :				
	9.7.7	Float glass panes				
	9.7.7.2	5.0 mm thick glass panes (weight not less than 12.50 kg/sqm).	Sqm	152.46		
36	9.7	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 :				
	9.7.8	Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia. wire and 1.4mm wide aperture with matching wood beading	Sqm	187.76		

37	9.21	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	120.35		
38	9.40	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete :				
	9.40.1	2nd class teak wood				
	9.40.1.2	50 x 20 mm	Meter	2039.18		
39	9.48	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.	Kg	2856.75		
40	9.71	Providing and fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete :				
	9.71.1	125x64x2.50 mm	Each	858.00		
41	9.63	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete :				
	NS	600x10 mm	Each	230.00		
42	9.63	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete :				
	9.63.3	150x10 mm	Each	230.00		
43	9.62	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete :				
	9.62.1	300x16 mm	Each	69.00		
44	9.101	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.				
	9.101.2	Twin rubber stopper	Each	88.00		
45	9.66	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete :				
	9.66.1	125 mm	Each	318.00		
46	9.68	Providing and fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc. complete				
47	9.68.2	250 mm weighing not less than 150 grams	Each	142.00		
		Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) 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	64.51		

48	23.5	Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20 cm, in recharge pit and sub-floor, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge	Cum	257.74		
49	13.4	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade :				
	13.4.1	New work (two or more coats) over and including water thinnable priming coat with cement primer	Sqm	3508.75		
50	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade :				
	13.46.1	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	1379.19		
51	13.62	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
	13.62.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	Sqm	848.88		
52	13.80	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	4887.94		
53	22.5	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 :				
		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.				
		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.	Sqm	787.78		
TOTAL AMOUNT						
ESTIMATE FOR THE PUBLIC HEALTH WORKS OF THE RSETI KISHTWAR						
ABSTRACT OF COST						
Sl. No.		Description of items	Unit	Qty	Rate	Amount
54	12.41	Providing and fixing on wall face/floor unplasticised Rigid PVC (6kg pressure) rain water and sewer pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. (Note: The cost includes all the required accessories like bends, Tees, Union etc.) (i) Single socketed pipes.				
	12.41.1	75 mm diameter	Meter	125.08		

55	12.41	Providing and fixing on wall face/floor unplasticised Rigid PVC (6kg pressure) rain water and sewer pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. (Note: The cost includes all the required accessories like bends, Tees, Union etc.) (i) Single socketed pipes.				
	12.41.2	100 mm diameter	Meter	256.36		
56	12.43	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				
	12.43.1	75 mm	Each	70.00		
57	12.43	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				
	12.43.2	100 mm	Each	154.00		
58	18.12	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.				
		i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall :				
	18.12.5	40 mm dia nominal bore	Meter	84.76		
59	18.11	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall :				
	18.11.1	15 mm dia nominal bore	Meter	178.51		
60	18.11	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall :				
	18.11.2	20 mm dia nominal bore	Meter	112.12		
61	18.48	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 with tank connector fitting but without the base support for tank.	per litre	3000.00		
62	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
	18.17.1A	20 mm nominal bore	Each	8.00		

63	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
	18.17.3	40 mm nominal bore	Each	5.00		
64	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
	18.18.2	20 mm nominal bore	Each	5.00		
65	18.20	Providing and fixing brass ferrule with C.I. mouth cover including boring and tapping the main :				
	18.20.3	25 mm nominal bore	Each	1.00		
66	18.21	Providing and fixing uplasticised PVC connection pipe with brass unions :				
	18.21.2	45 cm length				
	18.21.2.1	15 mm nominal bore	Each	79.00		
67	17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
	17.28.2	Flexible pipe				
	17.28.2.1	32mm dia	Each	25.00		
68	17.3	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 :				
	17.3.1	W.C. pan with ISI marked white solid plastic seat and lid	Each	10.00		
69	17.4	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 :				
	17.4.3	Range of three urinal basins with 10litre white P.V.C. automatic flushing cistern	Each	1.00		
70	17.4	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 :				
	17.4.3	Range of two urinal basins with 5 litre white P.V.C. automatic flushing cistern	Each	1.00		
71	NS	Providing and fixing Table top Wash Basins 550 x 400mm including 40mm CP brass waste complete. The work shall also include cutting hole in the granite and rcc slab for the connections and waste disposal.	Each	19.00		

72	17.10	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :				
	17.10.1	Kitchen sink with drain board				
	17.10.1.2	510x1040 mm bowl depth 225 mm	Each	1.00		
73	17.31	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P.brass screws and washers complete	Each	19.00		
74	NS	Providing and fixing UPVC Floor trap 100mm with 100mm x 100mm square Stainless steel perforated jali and frame for the jali.	Each	40.00		
75	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
	18.49.1	15 mm nominal bore	Each	15.00		
76	18.50	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms				
	18.50.1	15 mm nominal bore	Each	5.00		
77	18.52	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.				
	18.52.1	15 mm nominal bore	Each	79.00		
78	NS	Providing and fixing C.P. brass Center Hole Mixer for basin mixer of approved quality conforming to IS:8931				
	NS	15 mm nominal bore	Each	19.00		
79	17.22B	Providing and fixing CP Brass Single lever telephonic wall mixer with flange connection for the overhaed shower of quality & make as approved by Engineer in charge.				
	17.22B.1	15 mm nominal bore	Each	8.00		
80	19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 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 :				
	19.7.1	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) :				
	19.7.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	15.00		

81	19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 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 :				
	19.7.2	Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) :				
	19.7.2.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	1.00		
82	19.32	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				
	19.32.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	1.00		
83	19.4	Providing and fixing square-mouth UPVC gully trap complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design:				
	19.4.1	100x100 mm size P type				
	19.4.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	10.00		
84	2.6	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in charge.	Cum	92.48		
	2.6.1	All kind of soil				
85	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	4.1.5	1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	6.26		
86	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				

	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	5.30		
87	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	114.50		
88	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
	5.9.3	Suspended floors, roofs, landings, balconies and access platform	Sqm	17.84		
89	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
	5.9.16	Edges of slabs and breaks in floors and walls				
	5.9.16.1	Under 20 cm wide	Meter	29.27		
90	5.1	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 :				
	5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	25.61		
91	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	2561.43		
92	6.47	Providing and laying autoclaved aerated cement blocks masonry with 150mm/230mm/300 mm thick AAC blocks in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for seperately).	Cum	2.38		
	6.47.1					
93	13.1	12 mm cement plaster of mix :				
	13.1.2	1:6 (1 cement: 6 fine sand)	Sqm	72.86		
94	NS	Providing and Fixing Laminated Modular Partitions for the WC's of the toilets. The parttions shall be made with 25mm thick flush panels finished with 1mm thick MICA of Approved shade/texture/gloss. The partitions shall be raied from the floor by providing stainless steel stands at a distance not more than 900mm. The partitions shall be provided with door made with the same flosch board of 40mm thickness finished with MICA of desired shade/texture/gloss on both side. The door shall be complete with hinges, door handle, bolting arrangement etc. complete. All the edges shall be provided with the Edge tape with adhesive as per the manufacturer's specifications.	Sqm	79.18		

		TOTAL AMOUNT				
ESTIMATE FOR THE BOUNDARY WALL						
ABSTRACT OF COST						
Sl. No.		Description of items	Unit	Qty	Rate	Amount
1	2.6	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in charge.	Cum	9.80		
2	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	Cum	170.01		
3	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	4.1.5	1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	23.02		
4	4.10	Providing and laying damp-proof Course 50 mm thick with cement concrete 1:2:4 (1 cement:2 coarse sand: 4 graded stone aggregate 20 mm nominal size) and curing complete	Sqm	56.04		
5	4.13	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with apiece of cloth lightly soaked in kerosene oil.	Sqm	56.04		
6	7.1	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 :				
	7.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	38.44		
7	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	62.27		
8	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	136.99		
9	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	84.06		

10	5.1	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 :				
	5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	21.59		
11	5.2	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. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :				
	5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	7.59		
12	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	4378.19		
13	7.6	Coursed rubble masonry (first sort) with hard stone in foundation and plinth with :				
	7.6.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	17.09		
14	6.47	Providing and laying autoclaved aerated cement blocks masonry with 150mm/230mm/300 mm thick AAC blocks in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for seperately).	Cum	34.17		
15	13.1	12 mm cement plaster of mix :				
	13.1.2	1:6 (1 cement: 6 fine sand)	Sqm	407.85		
16	13.2	15 mm cement plaster on the rough side of single or half brick wall of mix :				
	13.2.2	1:6 (1 cement: 6 fine sand)	Sqm	308.22		
17	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade :				
	13.46.1	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	750.33		
18	13.62	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
	13.62.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	Sqm	17.84		

19	13.80	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	740.99		
20	10.25	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required				
	10.25.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	kg	432.00		
21	16.68	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 line sand etc. all complete as per the direction of Engineer-in-charge	Sqm	500.00		
		TOTAL AMOUNT				
		TOTAL AMOUNT FOR THE CIVIL WORKS				
		TOTAL AMOUNT FOR THE PUBLIC HEALTH WORKS				
		TOTAL AMOUNT FOR THE BOUNDARY WALLS AND ROAD WORK WITH PAVERS				
		NET AMOUNT				