

ESTIMATE - P.H.C. CENTER, SUMAN NAGAR, HARIDWAR

ABSTRACT OF COST

Sl.No.	Description	Amount (DSR/SOR-2024-25)
1	CONSTRUCTION OF BOUNDARY WALL AND SIGN BOARD	-
2	RENOVATION WORK	-
3	CONSTRUCTION OF MALE AND FEMALE TOILET	-
4	WATER SUPPLY	-
5	SANITARY WORK	-
6	TOTAL ABSTRACT COST	-
7	ITC CONTRIBUTION 85%	-
8	GST 18%	-
9	TOTAL ITC CONTRIBUTION	-
	COMMUNITY CONTRIBUTION 15%	-
	GRAND TOTAL	-

ABSTRACT OF COST- BOUNDARY WALL

SL. No.	DSR/SOR NO.	Description	Quantity	Unit	Rate	Amount
	(A)	EARTH WORK				
1	SOR MORD 11-1-1	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	49.08	Cum	0	
	(B)	CONCRETE WORK				
2	SOR MORD 11-4-1-1	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).	11.15	Cum	0	0.00
3	DSR VOL1 4.1	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size).	27.28	Sqm	0.00	0.00
	(C)	REINFORCED CEMENT CONCRETE WORK				
4	SOR MORD 11-4-4	Providing concrete for plain/ reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203, R.C.C grade M 20				
		1:1.5:3 (1 cement : 1.5 coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size)	9.90	Cum	0.00	0.00
5	SOR MORD 11-4-4	Providing and laying reinforced cement concrete in superstructure as per drawing and technical specifications Clauses 800, 1205.4 and 1205.5 ,R.C.C grade M 20, height upto 5m	1.98	Cum	0.00	0.00
6	SOR MORD 11-8	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo- Mechanically Treated bars of grade Fe-500D or more	3180.00	Kg	0.00	0.00
7	DSR VOL1 5.9	Centring and shuttering including strutting, ropping etc. and removal of form for				
(a)	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete.	24.00	Sqm	0.00	0.00
(b)	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts.	42.45	Sqm	0.00	0.00
	(D)	BRICK WORK				
8	SOR MORD 11-5-1	Brick masonry work in cement mortar in foundation complete excluding pointing and plastering as per drawing and technical specifications Clauses 600, 1202 & 1203	10.19	Cum	0.00	0.00
9	SOR MORD 13-1	Brick masonry work in cement mortar in substructure complete excepting pointing and plastering, as per drawing and technical specification Clauses 602, 603, 604, 1202 & 1204	15.14	Cum	0.00	0.00
	(e)	FINISHING				
10	SOR MORD 12-3	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	355.80	sqm	0.00	0.00
11	DSR VOL2 13.41.1	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade	355.80	sqm	0.00	0.00
12	DSR VOL2 13.26	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.	355.80	sqm	0.00	0.00

13	DSR 10.4	Providing and fixing 2 mm thick M.S. sheet sliding-shutters, with frame and diagonal braces of 40x40x6 mm angle iron, 3 mm M.S. gusset plates at the junctions and corners, 25 mm dia pulley, 40x40x6 mm angle and T iron guide at the top and bottom respectively, including applying a priming coat of approved steel primer	8.75	sqm	0	0.00
	(f)	M.S. BOARD				
14	as per market	mild steel board in rectangular shape for outdoor, complete with painting work and writing work.	0			0.00
			TOTAL			0.00

WORK - CONSTRUCTION OF MALE AND FEMALE TOILET IN P.H.C. SUMAN NAGAR

ABSTRACT OF COST OF

SL.NO	DSR/SOR	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
	(C)	EARTH WORK				
1	SOR MORD 11-1-1	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.	13.03	CUM	0	0
2	SOR MORD 11-2-1	Supplying and filling in plinth with sand under floors, including watering,ramming, consolidating and dressing complete.	1.40	CUM	0	0
	B	CONCRETE WORK				
3	SOR MORD 11-4-1-1	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).	0.93	CUM	0	0
	C	REINFORCED CEMENT CONCRETE WORK				
4	OR MORD 11-4	Providing concrete for plain/ reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203, R.C.C grade	3.90	SQM	0	0
5	SOR MORD 13-1-1-1	Providing and laying reinforced cement concrete in superstructure as per drawing and technical specifications Clauses 800, 1205.4 and 1205.5 ,R.C.C grade M 20, height	3.28	SQM	0	0
6	SOR MORD 11-8	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo- Mechanically Treated bars of grade Fe-500D or more	785.00	Kg	0.00	0

7	DSR VOL1 5.9	Centring and shuttering including strutting, rapping etc. and removal of form for				0
(a)	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete.	9.60	Sqm	0.00	0
(b)	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	13.74	Sqm	0.00	0
TOTAL						
(D)		BRICK WORK				
8	SOR MORD 11-5-1	Brick masonry work in cement mortar in foundation complete excluding pointing and plastering as per drawing and technical specifications Clauses 600, 1202 & 1203	2.66	Cum	0.00	0
9	SOR MORD 13-1	Brick masonry work in cement mortar in substructure complete excepting pointing and plastering, as per drawing and technical specification Clauses 602, 603, 604, 1202 & 1204	10.49	Cum	0.00	0
(E)		WOOD & P.V.C WORK				0
10	DSR VOL1 9.20.3	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 35 mm thick including ISI	1.89	Sqm	0.00	0
11	DSR VOL1 9.51.2	Providing and fixing fly proof galvanised M.S wire gauze to windows and clerestory windows using galvanised M.S. wire gauge with average width of aperture 1.4 mm in both directions with wire of	0.90	sqm	0.00	0
(F)		STEEL WORK				

12	DSR VOL1 10.14	Providing and fixing pressed steel door frames conforming to IS: 4351 manufactured from commercial mild steel sheet of 1.25 mm thickness including hinges jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25mm, or base ties of 1.25mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as				0
(a)	10.14.1	Profile 'B' (Single Pattam)	15.90	Rm	0.00	0
13	DSR VOL1 10.25.2	Steel work welded in built up section/framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	13.50	kg	0.00	0
14	DSR VOL1 10.03	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers,	5.76	Sqm	0.00	0
15	DSR VOL1 10.30.2	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 5.5 mm thick glass panes	0.90	Sqm	0.00	0
						0
	(G)	FLOORING				0
16	DSR VOL1 11.38	Providing and fixing 10 mm thick acid and/or alkali resistant tiles of approved make and colour using acid and/or alkali resisting mortar bedding, and joints filled with acid and/or alkali resisting cement as per IS : 4457, complete as per the direction of Engineer-in- Charge. In flooring on a bed of 10 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) Acid and alkali	9.30	Sqm	0.00	0
						0
	(H)	FINISHING				0

17	SOR MORD 12-3	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	97.28	sqm	0.00	0
18	DSR VOL1 8.31	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacture) 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.	27.30	sqm	0.00	0
19	DSR VOL2 13.26	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.	123.86	Sqm	0.00	0
20	DSR VOL2 13.41.1	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade (New work (two or more coats) over and including priming coat with cement primer) in Ceiling Area	123.86	sqm	0.00	0
21	DSR VOL2 13.62.1	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	19.26	SQM	0	0
TOTAL						0

**DETAILED ESTIMATE REPORT FOR MALE AND FEMALE TOILET CONSTRUCTION P.H.C. CENTER, SUMAN
NAGAR,
HARIDWAR**

ABSTRACT OF COST-

DETAILS OF MEASUREMENTS

SL. NO.	Particulars Items	Measurements				Quantity or Contents
		No.	L.	B.	H.	
1	2	3	4	5	6	7
(A)	EARTH WORK					
1	Excavation in foundation for retaining, breast walls etc, in all types of soils and rocks including all lead, lift and disposal of surplus material as per direction of engineer - in - charge, as per drawing and technical specifications Clause 305.1 of MORD Specification					
	Column footings					
	F1	4	1.20	1.200	1.50	8.64
	Tie beams					
	X-X Axis					
	PB1	2	3.10	0.60	0.60	2.23
	Y-Y Axis					0.00
	PB1	2	3.00	0.60	0.60	2.16
					Total	13.03 Cum
2	Supplying and filling in plinth with sand under floors, including watering,ramming, consolidating and dressing complete.					
	Male & Female Toilet	1	3.10	3.00	0.15	1.40
					Total	1.40 Cum
(B)	CONCRETE WORK					
3	Providing concrete for plain/ reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203.P.C.C grade M 10, Nominal mix 1:3:6					
	Column footings					
	F1	4	1.20	1.200	0.10	0.04
	Tie beams					
	X-X Axis					
	PB1	2	3.10	0.60	0.10	0.58
	Y-Y Axis					
	PB1	2	3.00	0.60	0.10	0.84
	Flooring base					
	Male & Female Toilet	1	3.10	3.00	0.10	0.93
					Total	0.93 Cum
(C)	REINFORCED CEMENT CONCRETE WORK					
4	Providing concrete for plain/ reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203, R.C.C grade M 20					

(a)	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size)							
	Footing							
		F1	4	1.20	1.200	0.50	2.88	
						Total(a)	2.88	Cum
(b)	Columns up to plinth level							
		C1	4	0.23	0.23	1.00	0.21	
						Total(b)	0.21	Cum
(c)	Tie beams							
	X-X Axis							
	PB1		2	3.10	0.23	0.23	0.33	
	Y-Y Axis							
	PB1		3	3.00	0.23	0.23	0.48	
						Total(c)	0.80	Cum
						TOTAL (A+B+C)	3.90	Cum
5	Providing and laying reinforced cement concrete in superstructure as per drawing and technical specifications Clauses 800, 1205.4 and 1205.5 ,R.C.C grade M 20, height upto 5m							
(a)	Columns up to roof slab							
		C1	4	0.23	0.23	3.20	0.68	
						Total(a)	0.68	Cum
(b)	Slab beams							
	X-X Axis							
	PB1		2	3.50	0.23	0.23	0.37	
	Y-Y Axis							
	PB1		2	3.00	0.23	0.23	0.32	
						Total(b)	0.69	Cum
(c)	Roof slab							
		S1	1	3.10	3.00	0.150	1.40	
						Total(c)	1.40	Cum
(d)	Lintel							
		D2	2	1.50	0.23	0.15	0.10	
		D3	1	1.20	0.23	0.15	0.04	
		V	2	1.05	0.23	0.15	0.07	
						Total(d)	0.22	Cum
(e)	Chajja							
		D2	2	1.50	0.60	0.10	0.18	
		V	2	1.05	0.60	0.10	0.13	
						Total(e)	0.31	Cum
						(a+b+c+d+e)	G.total	3.28
6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo Mechanically Treated bars of grade Fe-500D or more							
	Footing @1.0%					2.88	0.03	density of steel 78.5q per cum
	Columns @2.5%					0.89	0.02	
	Beams @ 2.0%					1.49	0.03	
	Slab @ 1.0%					1.40	0.01	
	Lintels @ 1.0%					0.22	0.0022	
	Chajjas @ 1.0%					0.31	0.00306	
						Sub Total	0.100	
			1	0.10	78.50		7.85	

						Total	7.85	Qtl
						Total	785.00	kg
7	Centring and shuttering including strutting, ropping etc. and removal of form for							
(a)	Foundations, footings, bases of columns, etc. for mass concrete.							
		F1	4	4.80		0.50	9.60	
						Total(a)	9.60	Sqm
(b)	Lintels, beams, plinth beams, girders, bressumers and cantilevers.							
	Tie Beam (two sides)							
	X-X Axis							
	PB1		2	3.10		0.45	2.79	
	Y-Y Axis							
	PB1		3	3.00		0.45	4.05	
						total	6.84	
	Slab beam (two side)						6.84	
	Slab beam (bottom side)							
	X-X Axis							
	PB1		2	3.10	0.23		1.43	
	Y-Y Axis							
	PB1		3	3.00	0.23		2.07	
		S1	1	3.10	3.00		9.30	
	Lintel beam (two side)							
		D2	2	1.50		0.15	0.45	
		D3	1	1.20		0.15	0.18	
		V	2	1.05		0.15	0.32	
						Total(c)	13.74	Sqm
(D)	BRICK WORK							
8	Brick masonry work in cement mortar in foundation complete excluding pointing and plastering as per drawing and technical specifications Clauses 600, 1202 & 1203							
	Cement mortar 1:4 (1 cement : 4 coarse sand)							
	9" thick Wall							
	Long Wall		2	3.10	0.35	0.50	1.09	
	Short Wall		3	3.00	0.35	0.50	1.58	
						Total	2.66	Cum
9	Brick masonry work in cement mortar in substructure complete excepting pointing and plastering, as per drawing and technical specification Clauses 602, 603, 604, 1202 & 1204							
	Cement mortar 1:4 (1 cement : 4 coarse sand)							
	9" thick Wall							
	Long Wall		2	3.10	0.23	3.00	4.28	
	Short Wall		3	3.00	0.23	3.00	6.21	
						Total	10.49	Cum
(E)	WOOD & FITTING WORK							

10	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 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.						
	D3	1	0.9		2.10	1.89	
					Total	1.89	Sqm
11	Providing and fixing fly proof galvanised M.S wire gauze to windows and clerestory windows using galvanised M.S. wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.63 mm. With 12 mm mild steel U beading.						
	V	2	0.75		0.60	0.90	
					Total	0.90	sqm
(F)	STEEL WORK						
12	Providing and fixing pressed steel door frames confirming to IS: 4351 manufactured from commercial mild steel sheet of 1.25 mm thickness including hinges jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25mm, or base ties of 1.25mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge						
(a)	Profile 'B' (Single Pattam)						
	D2	2	5.40			10.80	
	D3	1	5.10			5.10	
					Total	15.90	Rm
13	Steel work welded in built up section/framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.						
	V	2	0.75		0.60	0.90	
					Total	0.90	sqm
	(At 15.00Kg per Sqm)	1	0.90	15.00		13.50	
					Total	13.50	Kg

14	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.						
		2	1.20			2.40	5.76
						Total	5.76 Sqm
15	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 5.5 mm thick glass panes						
		V	2	0.75		0.60	0.90
						Total	0.90 Sqm
(G)	FLOORING						
16	Providing and fixing 10 mm thick acid and/or alkali resistant tiles of approved make and colour using acid and/or alkali resisting mortar bedding, and joints filled with acid and/or alkali resisting cement as per IS : 4457, complete as per the direction of Engineer-in- Charge. In flooring on a bed of 10 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) Acid and alkali resistant tile						
	Male & Female Toilet	1	3.10	3.00			9.30
						Total	9.30 Sqm
(H)	FINISHING						
17	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)						
	Male & Female Toilet	4	3.10			3.20	39.68
		6	3.00			3.20	57.60
						Total	97.28 Sqm
18	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacture) 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.						
	Male & Female Toilet	2	3.10			1.50	9.30
		4	3.00			1.50	18.00
						Total	27.30 Sqm
19	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.						
		1	3.1	3			9.3
		1		97.28			114.56
						123.86	SQM

20	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade (New work (two or more coats) over and including priming coat with cement primer) in Ceiling Area					123.86	SQM
21	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture						
	Area 2.40 times the area of doors	1	2.40		7.65	18.36	
	Area same as windows girls	1			0.90	0.90	
					Total	19.26	Sqm

DETAILS OF MEASUREMENTS

SL. NO.	Particulars Items	Measurements				Quantity or Contents
		No.	L.	B.	H.	
	PAINT WORK					
1	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade (New work (two or more coats) over and including priming coat with cement primer) in Ceiling Area	8	12.5		3.3	330
		4	10		3.3	132
		8	3.5		3.2	89.6
		8	3		3.2	76.8
		8	2.2		3.2	56.32
		1	13	10		130
						814.72 SQM
2	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.					814.72 SQM
3	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand) 5% of paint work area					40.736 SQM
4	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand	5	1.9		2	19
		3	1.9		1.2	6.84
						25.84
						51.68 SQM
	Door window					
5	Steel work welded in built up section/framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	4	1.5	2		12 SQM
	15 kg per sqm		15	12		180 KG
6	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 5.5 mm thick glass panes	4	1.5	2		12
		6	1.5	1.8		16.2
						28.2 SQM
7	Providing and fixing fly proof galvanised M.S wire gauze to windows and clerestory windows using galvanised M.S. wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.63 mm. With 12 mm mild steel U beading.	4	1.5	2		12
		6	1.5	1.8		16.2
		1	2	2.9		5.8
		1	3.5	1.5		5.25

DETAILS OF MEASUREMENTS BOUNDARY WALL

SL. NO.	Particulars Items	Measurements				Quantity or Contents	
		No.	L.	B.	H.		
1	2	3	4	5	6		
(A)	EARTH WORK						
1	Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.						
	Column footings						
	F1	25	1.00	0.600	0.90	13.50	
	Tie beams						
	X-X Axis	2	21.65	0.50	0.60	12.99	
	Y-Y Axis	2	37.65	0.50	0.60	22.59	
					Total	49.08	Cum
(B)	CONCRETE WORK						
2	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).						
	Footing						
	F1	25	1.00	0.600	0.15	2.25	
	Tie beams					0.00	
	X-X Axis	2	21.65	0.50	0.15	3.25	
	Y-Y Axis	2	37.65	0.50	0.15	5.65	
					Total	11.15	Cum
3	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size).						
	X-X Axis	2	21.65	0.23		9.96	
	Y-Y Axis	2	37.65	0.23		17.32	
					Total	27.28	Sqm
(C)	REINFORCED CEMENT CONCRETE WORK						
4	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement - All work upto plinth level						
(a)	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size)						
	Footing						
		25	0.90	0.600	0.30	4.05	
					Total(a)	4.05	Cum
(b)	Columns up to plinth level						
	C1	25	0.23	0.23	0.30	0.40	
					Total(b)	0.40	Cum
(c)	Tie beams						
	X-X Axis	2	21.65	0.23	0.23	2.29	
	Y-Y Axis	2	36.58	0.23	0.23	3.87	
					Total(c)	6.16	Cum

				TOTAL (A+B+C)		9.90	Cum
5	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. upto floor five level excluding cost of centring, shuttering, finishing and reinforcement 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)						
(a)	Columns above ground						
	C1	25	0.23	0.23	1.50	1.98	
					Total(a)	1.98	Cum
6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo Mechanically Treated bars of grade Fe-500D or more						
	Footing @1.0%				4.05	0.0405	density of steel 78.5q per cum
	Columns @2.5%				2.38	0.0595	
	Beams @ 2.0%				9.90	0.1980	
					Sub Total	0.30	
		1	0.30	78.50		23.39	
					Total	23.39	Qtl
					Total	3180.00	kg
7	Centring and shuttering including strutting, ropping etc. and removal of form for						
(a)	Foundations, footings, bases of columns, etc. for mass concrete.						
	F1	25	3.20		0.30	24.00	
					Total(a)	24.00	Sqm
(b)	Columns, Pillars, Piers, Abutments, Posts and Struts.						
	Columns						
	Upto tie beams						
	F1	25	1.06		0.30	7.95	
	Columns up to roof slab						
	C1	25	0.92		1.50	34.50	
					Total(b)	42.45	Sqm
(D)	BRICK WORK						
8	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)						
	Cement mortar 1:4 (1 cement : 4 coarse sand)						
	X-X Axis	2	21.65	0.30	0.30	3.90	
	Y-Y Axis	2	37.65	0.30	0.30	6.78	
	Column	25	0.23	0.23	0.30	0.40	
					Total	10.19	Cum
9	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)						
	Cement mortar 1:4 (1 cement : 4 coarse sand)						
	X-X Axis	2	21.65	0.115	1.50	7.47	
	Y-Y Axis	2	37.65	0.115	1.50	8.66	

					Total	16.13	Cum
	Column	25	0.23	0.115	1.50	0.99	
					Total	0.99	(-)
					Total	15.14	Cum
(E)	FINISHING						
10	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)						
	External walls						
	X-X Axis	2	21.65		1.50	64.95	
	Y-Y Axis	2	37.65		1.50	112.95	
					Total	177.90	Sqm
	Internal walls (same as External wall)					177.90	
					Total	355.80	Sqm
11	Finishing walls with Premium Acrylic Smooth Exterior paint with Silicone additives of required shade New work (Two or more coats applied @ 1.43 ltr/ 10 sqm. over and including base						
	Area same as for plastering work					355.80	
					Total	355.80	Sqm
12	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.					355.80	sqm
13	Providing and fixing 2 mm thick M.S. sheet sliding-shutters, with frame and diagonal braces of 40x40x6 mm angle iron, 3 mm M.S. gusset plates at the junctions and corners, 25 mm dia pulley, 40x40x6 mm angle and T iron guide at the top and bottom respectively, including applying a priming coat of approved steel primer	1	3.5		2.5	8.75	Sqm
14	mild steel board in rectangular shape for outdoor, complete with painting work and writing work.	1				1.00	NOS

ABSTRACT OF COST

SL.NO.	DSR/SOR	Description	QUANTIT Y	UNIT	RATE	AMOUNT
		PAINT WORK				
1	DSR VOL2 13.41.1	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade (New work (two or more coats) over and including priming coat with cement primer) in Ceiling Area	814.72	SQM	0.00	0
2	DSR VOL1 8.31	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	814.72	SQM	0.00	0
3	SOR MORD 12-3	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand) 10% of paint work area	40.736	SQM	0.00	0
4	DSR VOL2 13.62.1	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	51.68	SQM	0	0
		Door window				
5	DSR VOL1 10.25.2	Steel work welded in built up section/framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	180	KG	0.00	0
		15 kg per sqm				
6	DSR VOL1 10.30.2	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 5.5 mm thick glass panes	28.2	SQM	0.00	0
7	DSR VOL1 9.51.2	Providing and fixing fly proof galvanised M.S wire gauze to windows and clerestory windows using galvanised M.S. wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.63 mm. With 12 mm mild steel U beading.	27.25	SQM	0.00	0

8	DSR VOL1 9.21.1	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 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	14.49	SQM	0.00	0
9	L/s	TLM wall painting	84	SQM	0.00	0
		TOTAL				0

ABSTRACT OF COST - (WATER SUPPLY)

SL.No	D.S. R 202	Description	Quantity	Unit	Rate	Amount
1	(18.10.1)	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. linternal work - Exposed on wall				
	(18.10.1)	15 mm dia nominal bore	40.00	Meter	0.00	0.00
2		Providing and fixing C.P. brass bib cock of approved quality 15 mm nominal bore				
		15 mm nominal bore.	4.00	Nos	0.00	0.00
3	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI :12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet, and overflow pipes but without fitting and the base support for tank.	1000.00	Liter	0.00	0.00
					TOTAL	0.00

WATER SUPPLY

SL. NO.	Particulars Items	Measurements				Quantity or Contents	
		No.	L.	B.	H.		
1	2	3	4	5	6	7	
1	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. Internal work - Exposed on						
	15 mm dia nominal bore						
	Internal pipe & wet riser to O.H.T						
		1	40			40.00	
					Total	40.00	M
2	Providing and fixing C.P. brass bib cock of						
	Ground floor	4				4.00	
					Total	4.00	Nos
3	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI :12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet, and overflow pipes but without fitting						
		1	1000			1000.00	
					Total	1000.00	Lit

ABSTRACT OF COST- (SANITRAY WORKS)

SL.No	D.S.R 2023	Description	Quantity	Unit	Rate	Amount
1	VOL2 17.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 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 W.C. pan with ISI marked white solid	2.00	Nos	0.00	0.00
2	VOL2 17.7.1	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 Wash basin size 630x450 mm with a pair of 15 mm C.P . brass pillar taps	2.00	Nos	0.00	0.00
						0.00
3	VOL2 17.35	Providing and fixing soil , waste and vent pipes:				0.00
(a)	17.35.1.1	100 mm dia.	10	Meter	0.00	0.00
(b)	17.35.2.1	75 mm dia	10	Meter	0.00	0.00
					TOTAL	0.00