

DETAILED ESTIMATE FOR CONTRUCTION OF CIVIL DISPENSARY

No.	CSR Item	Description of Item	NO.	L	B	H	Unit	Quantity
1	6.6	Earth work in excavation in foundations, trenches etc. in all kinds of soil where pick jumper work is not involved and not exceeding 2.0 metres depth including dressing of bottom and sides of trenches, stacking the excavated soil clear from the edge of excavation						
		<i>Ft. Horizontal Wall</i>	1	29.375	2.500	2.500	Cft.	183.59
		<i>Bk. Horizontal Wall</i>	1	25.000	2.500	2.500	Cft.	156.25
		<i>L/S & R/S Verti. Walls</i>	2	16.750	2.500	2.500	Cft.	209.38
		<i>R/S Vert. Wall of Toilet</i>	1	5.375	2.500	2.500	Cft.	33.59
		<i>Horizontal wall between Exam & Clinic</i>	1	14.250	2.500	2.500	Cft.	89.06
		<i>Horizontal Wall between Store & Waiting</i>	1	9.750	2.500	2.500	Cft.	60.94
		<i>Vertical wall between Clinic & Waiting</i>	1	8.250	2.500	2.500	Cft.	51.56
		<i>Vertical Wall of Bk. Toilet</i>	2	5.625	2.500	2.500	Cft.	70.31
		<i>Horizontal Wallof Bk. Toilet</i>	1	4.250	2.500	2.500	Cft.	26.56
		<i>Vertical Wall of W. Basin</i>	1	1.875	2.500	2.500	Cft.	11.72
		<i>Bk. Horizontal Wall of R/s Toilet</i>	1	2.250	2.500	2.500	Cft.	14.06
		<i>Extra Front Box Proj.</i>	2	3.750	0.750	2.500	Cft.	14.06
		<i>Ent.-Steps</i>	1	4.500	3.375	0.500	C	7.59
							Total	Cft. 928.69
							Or	Cum. 26.28
2	10.6 (b) ii	Cement Concrete 1:8:16 with 40mm gauge stone aggregate using concrete mixer volumertic type						
		<i>Take 0.2 of item no. 1 except market "A"</i>		0.2x928.69			Cft.	185.74
		<i>F.H. Wall</i>		0.5x928.69			Cft.	464.35
							Total	Cft. 650.08
							Or	Cum. 18.40
3	11.3	First class burnt brick work laid in cement sand mortar 1:6 in foundation and plinth.						
		Ft. Horizontal Walls						
		<i>1st Step</i>	1	28.750	1.875	0.500	Cft.	26.95
		<i>2nd Step</i>	1	28.375	1.500	0.500	Cft.	21.28
		<i>3rd Step</i>	1	28.000	1.125	0.500	Cft.	15.75
		<i>4th Step</i>	1	27.625	0.750	1.750	Cft.	36.26
		Bk. Horizontal Wall						
		<i>1st Step</i>	1	24.375	1.875	0.500	Cft.	22.85
		<i>2nd Step</i>	1	24.000	1.500	0.500	Cft.	18.00
		<i>3rd Step</i>	1	23.625	1.125	0.500	Cft.	13.29
		<i>4th Step</i>	1	23.250	0.750	1.750	Cft.	30.52
		L/S & R/S Vertical Walls						
		<i>1st Step</i>	2	16.625	1.875	0.500	Cft.	31.17
		<i>2nd Step</i>	2	17.000	1.500	0.500	Cft.	25.50
		<i>3rd Step</i>	2	17.375	1.125	0.500	Cft.	19.55
		<i>4th Step</i>	2	17.750	0.750	1.750	Cft.	46.59
		R/S Vert. Wall of Toilet						
		<i>1st Step</i>	1	5.375	1.875	0.500	Cft.	5.04
		<i>2nd Step</i>	1	5.375	1.500	0.500	Cft.	4.03
		<i>3rd Step</i>	1	5.375	1.125	0.500	Cft.	3.02

	<i>4th Step</i>	1	5.375	0.750	1.750	Cft.	7.05
Horizontal Wall Between Exam & Clinic							
	<i>1st Step</i>	1	14.250	1.875	0.500	Cft.	13.36
	<i>2nd Step</i>	1	14.250	1.500	0.500	Cft.	10.69
	<i>3rd Step</i>	1	14.250	1.125	0.500	Cft.	8.02
	<i>4th Step</i>	1	14.250	0.750	1.750	Cft.	18.70
Horizontal Wall between Store & Waiting							
	<i>1st Step</i>	1	9.750	1.875	0.500	Cft.	9.14
	<i>2nd Step</i>	1	9.750	1.500	0.500	Cft.	7.31
	<i>3rd Step</i>	1	9.750	1.125	0.500	Cft.	5.48
	<i>4th Step</i>	1	9.750	0.750	1.750	Cft.	12.80
Vertical wall between Clinic & Waiting							
	<i>1st Step</i>	1	8.875	1.875	0.500	Cft.	8.32
	<i>2nd Step</i>	1	9.250	1.500	0.500	Cft.	6.94
	<i>3rd Step</i>	1	9.625	1.125	0.500	Cft.	5.41
	<i>4th Step</i>	1	10.000	0.750	1.750	Cft.	13.13
Vertical walls of Bk. Toilet							
	<i>1st Step</i>	2	6.250	1.875	0.500	Cft.	11.72
	<i>2nd Step</i>	2	6.625	1.500	0.500	Cft.	9.94
	<i>3rd Step</i>	2	7.000	1.125	0.500	Cft.	7.88
	<i>4th Step</i>	2	7.375	0.750	1.750	Cft.	19.36
Horizontal walls of Bk. Toilet							
	<i>1st Step</i>	1	4.875	1.875	0.500	Cft.	4.57
	<i>2nd Step</i>	1	5.250	1.500	0.500	Cft.	3.94
	<i>3rd Step</i>	1	5.625	1.125	0.500	Cft.	3.16
	<i>4th Step</i>	1	6.000	0.750	1.750	Cft.	7.88
Vertical walls of W. Basin							
	<i>1st Step</i>	1	1.875	1.875	0.500	Cft.	1.76
	<i>2nd Step</i>	1	1.875	1.500	0.500	Cft.	1.41
	<i>3rd Step</i>	1	1.875	1.125	0.500	Cft.	1.05
	<i>4th Step</i>	1	1.875	0.750	1.750	Cft.	2.46
Bk. Horizontal walls of R/S Toilet							
	<i>1st Step</i>	1	2.875	1.875	0.500	Cft.	2.70
	<i>2nd Step</i>	1	3.250	1.500	0.500	Cft.	2.44
	<i>3rd Step</i>	1	3.625	1.125	0.500	Cft.	2.04
	<i>4th Step</i>	1	4.000	0.750	1.750	Cft.	5.25
Extra Front Box Proj.							
	<i>1st Step</i>	2	3.125	0.750	0.500	Cft.	2.34
	<i>2nd Step</i>	2	2.750	0.750	0.500	Cft.	2.06
	<i>3rd Step</i>	2	2.375	0.750	0.500	Cft.	1.78
	<i>4th Step</i>	2	2.000	0.750	1.750	Cft.	5.25
Ent.-Steps							
	<i>1st Step</i>	1	4.500	4.000	0.750	Cft.	13.50
	<i>2nd Step</i>	1	4.500	3.000	0.500	Cft.	6.75
	<i>3rd Step</i>	1	4.500	2.000	0.500	Cft.	4.50
	<i>4th Step</i>	1	4.500	1.000	0.500	Cft.	2.25
						Total	Cft. 572.13
						Or Cum.	16.19

- 4 10.15 Reinforced cement concrete M-20 mechanically batch mixed using batch type concrete mixer as per IS : 1791 and vibrated by needle vibrator but excluding steel reinforcement centring and shuttering in foundation and plinth

Plinth Beams

<i>Ft. Horizontal Wall</i>	1	27.625	0.750	0.750	Cft.	15.54
<i>Bk. Horizontal Wall</i>	1	23.250	0.750	0.750	Cft.	13.08
<i>L/S & R/S Vertical Walls</i>	2	17.500	0.750	0.750	Cft.	19.69
<i>R/S Vertical Wall of Toilet</i>	1	5.375	0.750	0.750	Cft.	3.02
<i>Horizontal Wall Between Exam & Clinic</i>	1	14.250	0.750	0.750	Cft.	8.02
<i>Horizontal Wall between Store & Waiting</i>	1	9.750	0.750	0.750	Cft.	5.48
<i>Vertical wall between Clinic & Waiting</i>	1	10.000	0.750	0.750	Cft.	5.63
<i>Vertical Wall of Bk. Toilet</i>	2	7.375	0.750	0.750	Cft.	8.30
<i>Horizontal Wall of Bk. Toilet</i>	1	6.000	0.750	0.750	Cft.	3.38
<i>Vertical Wall of W. Basin</i>	1	1.875	0.750	0.750	Cft.	1.05
<i>Bk. Horizontal Wall of R/s Toilet</i>	1	4.000	0.750	0.750	Cft.	2.25
<i>Extra Front Box Proj.</i>	1	2.000	0.750	0.750	Cft.	1.13
Total					Cft.	86.55
					Or Cum.	2.45

- 5 6.8 (a) Earth filling under floors with surplus ordinary soil or soil containing gravel or kankar upto 40% excavated from foundation and taken only from outside the building plinth in 15 cm layers including ramming, watering and consolidating lead upto 30 metres

<i>Examination Room</i>	1	7.500	7.375	1.833	Cft.	101.39
<i>Examination Room</i>	1	6.000	3.000	1.833	Cft.	32.99
<i>Toilet</i>	1	6.000	4.000	1.833	Cft.	43.99
<i>Store</i>	1	7.500	9.750	1.833	Cft.	134.04
<i>Clinic</i>	1	12.000	10.000	1.833	Cft.	219.96
<i>Clinic W.B.</i>	1	1.875	2.000	1.833	Cft.	6.87
<i>Waiting Room</i>	1	9.000	7.625	1.833	Cft.	125.79
<i>Toilet</i>	1	4.000	5.000	1.833	Cft.	36.66
Total					Cft.	701.70
					Or Cum.	19.86

- 6 10.28 Damp proof course 4 cm thick of cement concrete 1: 2: 4 with two coats of bitumen 20/30 penetration @ 1.65 kg per sqm laid hot and sanded.

<i>Ft. Horizontal Wall</i>	1	27.625	0.750	Sq.ft.	20.72
<i>Bk. Horizontal Wall</i>	1	23.250	0.750	Sq.ft.	17.44
<i>L/S & R/S Vertical Walls</i>	2	17.750	0.750	Sq.ft.	26.63
<i>R/S Vertical Wall of Toilet</i>	1	5.375	0.375	Sq.ft.	2.02
<i>Horizontal Wall Between Exam & Clinic</i>	1	14.250	0.375	Sq.ft.	5.34
<i>Horizontal Wall between Store & Waiting</i>	1	9.750	0.375	Sq.ft.	3.66
<i>Vertical wall between Clinic & Waiting</i>	1	10.000	0.750	Sq.ft.	7.50
<i>Vertical Wall of Bk. Toilet</i>	2	7.375	0.375	Sq.ft.	5.53
<i>Horizontal Wall of Bk. Toilet</i>	1	6.000	0.375	Sq.ft.	2.25
<i>Vertical Wall of W. Basin</i>	1	1.875	0.375	Sq.ft.	0.70
<i>Bk. Horizontal Wall of R/s Toilet</i>	1	4.000	0.375	Sq.ft.	1.50

				<i>Extra Front Box Proj.</i>	1	2.000	0.750		Sq.ft.	1.50
								Total	Sq.ft.	94.78
								Or	Sqm.	8.81
7	11.4	First class burnt brick work laid in cement sand mortar 1:6 in first storey upto 4 metres above plinth level.								
				<i>Ft. Horizontal Walls</i>	1	27.625	0.750	11.000	Cft.	227.91
				<i>Bk. Horizontal Walls</i>	1	23.250	0.750	11.000	Cft.	191.81
				<i>L/S & R/S Vertical Walls</i>	2	17.500	0.750	11.000	Cft.	288.75
				<i>Vertical wall between Clinic & Waiting</i>	1	8.000	0.750	11.000	Cft.	66.00
				Perapet						
				<i>Ft. Horizontal Wall</i>	1	27.625	0.750	1.500	Cft.	31.08
					1	23.250	0.750	1.500	Cft.	26.16
					2	20.750	0.750	1.500	Cft.	46.69
					1	4.375	0.750	1.500	Cft.	4.92
								Total	Cft.	883.31
				Deduction						
				<i>Opening Ent. DI</i>	1	3.500	0.750	7.000	Cft.	18.38
				<i>D</i>	1	3.000	0.750	7.000	Cft.	15.75
				<i>DI</i>	1	2.500	0.750	7.000	Cft.	13.13
				<i>W</i>	1	6.000	0.750	4.500	Cft.	20.25
				<i>W</i>	1	4.500	0.750	4.500	Cft.	15.19
				<i>W</i>	1	1.375	0.750	4.500	Cft.	4.64
				<i>V</i>	2	4.000	0.750	2.250	Cft.	13.50
				<i>VI</i>	1	3.000	0.750	2.250	Cft.	5.06
				<i>Lintel Ent. D/W</i>	1	9.500	0.750	0.750	Cft.	5.34
				<i>D</i>	1	3.750	0.750	0.750	Cft.	2.11
				<i>W</i>	1	7.500	0.750	0.750	Cft.	4.22
				<i>W</i>	1	2.375	0.750	0.750	Cft.	1.34
				<i>V</i>	1	5.500	0.750	0.750	Cft.	3.09
				<i>V</i>	1	4.500	0.750	0.750	Cft.	2.53
				<i>DI</i>	1	4.000	0.750	0.750	Cft.	2.25
								Total	Cft.	126.77
								Net Qty. (883.31-120.02)	Cft.	756.54
								Or	Cum.	21.41
8	11.36	115 mm thick brick wall laid in cement sand mortar 1:4 without reinforcement in super structure.								
				<i>Horizontal Wall Between Exam & Clinic</i>	1	14.250		11.000	Sq.ft.	156.75
				<i>Horizontal Wall Between Store & Waiting</i>	1	9.000		11.000	Sq.ft.	99.00
				<i>Horizontal Wall Between R/S Toilet</i>	1	4.000		11.000	Sq.ft.	44.00
				<i>Horizontal Wall Between Bk. Toilet</i>	1	6.000		11.000	Sq.ft.	66.00
				<i>Vertical Wall Between Bk. Toilet/Room</i>	1	7.375		11.000	Sq.ft.	81.13
				<i>Vertical Wall Between Store & Waiting</i>	1	9.750		11.000	Sq.ft.	107.25
								Total	Sq.ft.	554.13
				Deduction						
				<i>Opening</i>	<i>D</i>	3	3.000	7.000	Sq.ft.	63.00
					<i>DI</i>	1	2.500	7.000	Sq.ft.	17.50
					<i>Opening</i>	1	3.000	7.000	Sq.ft.	21.00
					<i>V</i>	1	2.500	2.250	Sq.ft.	5.63
				<i>Lintel</i>	<i>Opening & D</i>	4	4.000	0.500	Sq.ft.	8.00

			<i>DI</i>	1	3.500		0.500	Sq.ft.	1.75
			<i>V</i>	1	3.500		0.500	Sq.ft.	1.75
			<i>Roof Beam (12+9)</i>	1	21.000		0.750	Sq.ft.	15.75
						Total		Sq.ft.	134.38
						Net Qty. (554.13-134.38)		Sq.ft.	419.75
							Or	Sqm.	38.99
9	10.21	Reinforced cement concrete M-20 mechanically batch mixed using batch type concrete mixer as per IS : 1791 and vibrated by needle vibrator but excluding steel reinforcement centring and shuttering in foundation and plinth							
		(A) For lintels/Beams							
			<i>Ent D/W</i>	1	9.500	0.750	0.750	Cft.	5.34
			<i>D</i>	1	3.750	0.750	0.750	Cft.	2.11
			<i>DI</i>	1	4.000	0.750	0.750	Cft.	2.25
			<i>W</i>	1	7.500	0.750	0.750	Cft.	4.22
			<i>W</i>	1	2.375	0.750	0.750	Cft.	1.34
			<i>V</i>	1	5.500	0.750	0.750	Cft.	3.09
			<i>On 4.5" inch Thick Wall Opening / D</i>	4	4.000	0.375	0.500	Cft.	3.00
			<i>DI</i>	1	3.500	0.375	0.500	Cft.	0.66
			<i>V</i>	1	3.500	0.375	0.500	Cft.	0.66
			<i>Roof Beam Vertical Side</i>	1	11.250	0.750	1.166	Cft.	9.84
			<i>Horizontal Side</i>	1	12.750	0.750	1.166	Cft.	11.15
			<i>Horizontal Side</i>	1	9.750	0.750	1.166	Cft.	8.53
						Total		Cft.	52.18
							Or	Cum.	1.48
		(B) For Shelves							
			<i>Sun Shade Ft. W</i>	1	6.000	1.000	0.250	Cft.	1.50
			<i>V</i>	2	5.000	1.000	0.250	Cft.	2.50
			<i>VI</i>	1	4.000	1.000	0.250	Cft.	1.00
			<i>V</i>	1	4.375	1.000	0.250	Cft.	1.09
			<i>W</i>	1	1.875	1.000	0.250	Cft.	0.47
			<i>Sheve in Exam Room</i>	1	7.500	1.750	0.250	Cft.	3.28
						Total		Cft.	9.84
							Or	Cum.	0.28
		(C) For Slab							
			<i>Building</i>	1	22.500	18.500	0.416	Cft.	173.16
			<i>Toilet</i>	1	4.750	5.750	0.416	Cft.	11.36
			<i>Ft. Proj.</i>	1	20.250	3.375	0.416	Cft.	28.43
						Total		Cft.	212.95
		Deduction							
			<i>Beam Portion</i>	1	10.875	0.750	0.416	Cft.	3.39
			<i>Beam Portion</i>	1	12.375	0.750	0.416	Cft.	3.86
			<i>Beam Portion</i>	1	9.375	0.750	0.416	Cft.	2.93
						Total		Cft.	10.18
						Net Qty. (212.95-10.18)		Cft.	202.77
							Or	Cum.	5.74
		Grand Total							
			<i>A+B+C</i>		(1.48+0.28+5.74)			Cum.	7.50
							G. Total	Cum.	7.50

10	9.1	Shuttering for faces of concrete foundations and foundation beam & plinth beam (vertical or battering)						
			<i>Qty as per Item No. 4</i>	2.45 Cum @ 1.50 Sqm./Cum.	Sqm.		3.68	
11	9.6	Centring and shuttering for sides and soffits of beam, beams launchings girders bressumers, lintels						
			<i>Qty as per Item No. 9(A)</i>	1.48 Cum @ 8.00 Sqm./Cum.	Sqm.		11.84	
12	9.8	Centring and shuttering for flat surfaces such as suspended floors, roofs, landings, chajjas, Slab, shelves & Facia etc.						
			<i>Qty as per Item No. 9(B)</i>	0.28 Cum @ 18.50 Sqm./Cum.	Sqm.		5.18	
			<i>Qty as per Item No. 9(C)</i>	5.74 Cum @ 8.25 Sqm./Cum.	Sqm.		47.36	
					Total	Sqm.	52.54	
13	18.18	Cold twisted deformed (ribbed/ tor steel) Bars Fe 415 grade as per IS 1786-1985 for R.C.C. works, where not included in the complete rate of R.C.C. including bending, binding, and placing in position complete. Foundation (Pl. Beam)						
			<i>Qty as per Item No. 4</i>	2.45 Cum @ 60Kg./Cum.	Kg.		147.00	
		For Beam						
			<i>Qty as per Item No. 9(A)</i>	1.48 Cum @ 110Kg./Cum.	Kg.		162.80	
		For Shelves						
			<i>Qty as per Item No. 9(B)</i>	0.28 Cum @ 60Kg./Cum.	Kg.		16.80	
		For Slab						
			<i>Qty as per Item No. 9(C)</i>	5.74 Cum @ 90Kg./Cum.	Kg.		516.60	
					Total	Kg.	843.20	
					Or.	Qtl.	8.43	
14	18.24	Supply & Fixing of pressed steel frames (Chowkats) consisting of 18 gauge (1.25mm) thick steel sheet of the specified section(standard design latest) including iron lugs (hold fasts) iron hinges, confirming to P.W.D. specifications including bolts for fixing stops, locknotch provision for receiving tower bolts, Hydraulic spring and finished with one priming coat of approved quality, fixed in position, including the cost of cement concrete 1:3:6 for filling in the frame and cement concrete 1:2:4 for lugs complete.						
		(i) Double Rebate Size 151x60x35mm wide						
		Ent D/W Top	1	8.000		Rft.	8.00	
		Side	1	7.000		Rft.	7.00	
		Side	1		4.500	Rft.	4.50	
		Bottom	1	4.500		Rft.	4.50	
		Side	1		2.500	Rft.	2.50	
		Side (1x1.5)	1.5		4.500	Rft.	6.75	
		Middle (2x1.5)	3		4.250	Rft.	12.75	
		D (3+2x7)	1	35.000		Rft.	35.00	
		W (1x2) x (6+4.25)	2	10.250		Rft.	20.50	
		W (2x1.5)	3		4.250	Rft.	12.75	
		W (2x1.5)	3	2.250		Rft.	6.75	

				$V (2 \times 2) \times (4+2)$	4	6.000		Rft.	24.00
				$V (2 \times 2 \times 1.5)$	6		2.000	Rft.	12.00
				$V (1 \times 2) \times (2.5+2)$	2	4.500		Rft.	9.00
				$V (1 \times 1.5)$	1.5		2.000	Rft.	3.00
				$VI (1 \times 2) \times (3+2)$	2	5.000		Rft.	10.00
				$VI (1 \times 1.5)$	1.5		2.000	Rft.	3.00
				$W (1 \times 2) \times (1.625+4.25)$	2	5.875		Rft.	11.75
							Total	Rft.	193.75
							Or	Rmt.	58.67
				(ii) Single Rebate size 113x60x35 mm wide					
				$D (3+2 \times 7)$	3	35.000		Rft.	105.00
				$DI (2.5+2 \times 7)$	2	31.500		Rft.	63.00
							Total	Rft.	168.00
							Or	Rmt.	50.87
15	18.4	Wrought iron and mild steel ladders, framed grills, grating etc. with ends of bars, riveted or welded or forged, framed window guards, barred iron doors, stair case, iron railing including cost of bolts and nuts or screws or welding rod, complete fixed in position.							
				W	1	6.000	4.500	Sq.ft.	27.00
				W	1	4.500	4.500	Sq.ft.	20.25
				W	1	1.625	4.500	Sq.ft.	7.31
				V	2	4.000	2.250	Sq.ft.	18.00
				V	1	3.000	2.250	Sq.ft.	6.75
				V	1	2.500	2.250	Sq.ft.	5.63
							Total	Sq.ft.	84.94
								Kg.	106.18
							Or	Qtl.	1.06
				84.94 Sq.ft. @ 1.25 kg./Sq.ft.(L.S.)					
16	18.38	Providing & fixing of Box type steel windows, made of various ERW section outer 60mm x 25mm, central mullion 60mm x 25mm, for shutter 50mm x 20mm having thickness of 1.25mm (18 gauge), shash bar MS Tee 25mm x 3mm where required joints mitred and electrically flashwelded, with iron fittings including necessary iron handles,hinged cleat, tower bolts, iron hold fast and pintle hinges complete (excluding glazing and wire guage) and finished with ready mixed paint red lead non setting primer complete as per specification, Drawings and to the entire satisfaction of engineer-in-charge. (Note:- Glazing, wire guage and grill will be paid as per respective items)							
				$W (2 \times 2 \times 2) \times (1.5+4)$	8	5.500		Rft.	44.00
				$W (2 \times 2 \times 2) \times (1.75+4)$	8	5.750		Rft.	46.00
				$V (2 \times 2 \times 2) \times (1.75+2)$	8	3.750		Rft.	30.00
				$V (1 \times 2 \times 2) \times (1.5+2)$	4	3.500		Rft.	14.00
				$V (1 \times 2 \times 2) \times (1.25+2)$	4	3.250		Rft.	13.00
							Total	Rft.	147.00
							Or	Rmt.	44.81
								Kg.	95.55
				147.00 Rft. @ 0.65 kg./Rft.					

17	18.25 (b)	Supplying and fixing glass panes with glazing clips and special metal sash putty of approved make. (b) Glass panes 4mm thick above 0.40 sqm area.					
			W	1	6.000	4.500	Sq.ft. 27.00
			W	1	4.500	4.500	Sq.ft. 20.25
			W	1	1.625	4.500	Sq.ft. 7.31
			V	2	4.000	2.250	Sq.ft. 18.00
			V	1	3.000	2.250	Sq.ft. 6.75
			V	1	2.500	2.250	Sq.ft. 5.63
			Total			Sq.ft. 84.94	
			Or			Sqm. 7.89	
18	18.27	Wire gauge fixed on steel windows of standard rolled steel section, with 3mm thick flat iron cover moulding of 12.5mm width, fixed with machine screws, complete in all respects.					
			W	2	1.500	4.000	Sq.ft. 12.00
			W	2	1.750	4.000	Sq.ft. 14.00
			V	2	1.750	2.000	Sq.ft. 7.00
			V	1	1.500	2.000	Sq.ft. 3.00
			V	1	1.250	2.000	Sq.ft. 2.50
			Total			Sq.ft. 38.50	
			Or			Sqm. 3.58	
19	17.27 a (iv)	Factory manufactured flush door fixed in position iron hinges, etc (excluding the cost of any fittings other than specified above but including labour for fixing the same in position (Code : II Revision IS-2191 Part-I) 1973 (a) Commercial with elm or gurjan facing on both \ Sides with laminated core and lipped edges:- (iv) 35 mm thick					
			D	1	3.166	6.833	Sq.ft. 21.63
			D	4	2.666	6.833	Sq.ft. 72.87
			DI	2	2.166	6.833	Sq.ft. 29.60
			Total			Sq.ft. 124.10	
			Or			Sqm. 11.53	
20	17.23 (ii)	Cost of Aluminium fittings complete for doors, windows such as tower bolts, handleless and screw etc. for these fittings (Excluding sliding bolt) (ii) For shutter area above 0.50 sqm <i>Qty Same as per Item No.19</i>					
						Sqm.	11.53
			Total			Sqm. 11.53	
21	17.49 a	Providing and fixing aluminium sliding door bolts ISI marked anodized (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete (A) 300mm x 16mm					
				5		Nos.	5.00

		(B) 250mm x 16mm	2				Nos.	2.00
22	15.10	12.5 mm thick cement plaster 1:5						
		<i>Examination Room (1x2) x (7.5+7.375)</i>	2	14.875	10.666	Sq.ft.		317.31
		<i>Store/Ward (1x2) x (7.5+9.75)</i>	2	17.250	10.666	Sq.ft.		367.98
		<i>Passage (1x1) x (2x6+3)</i>	1	15.000	10.666	Sq.ft.		159.99
		<i>Toilet (1x2) x (6+4)</i>	2	10.000	3.666	Sq.ft.		73.32
		<i>Clinic (1x2) x (12+10)</i>	2	22.000	10.666	Sq.ft.		469.30
		<i>Waiting (1x2) x (9+7.625)</i>	2	16.625	10.666	Sq.ft.		354.64
		<i>W.Basin (2x1.875+2)</i>	1	5.750	3.666	Sq.ft.		21.08
		<i>Toilet (1x2) x (4+5)</i>	2	9.000	3.666	Sq.ft.		65.99
		<i>Inside Perapet (1x2) x (26.125+20.75)</i>	2	46.875	0.750	Sq.ft.		70.31
					Total	Sq.ft.		1899.93
		Deduction						
		<i>Opening/D</i>	4	3.000	7.000	Sq.ft.		84.00
		<i>DI</i>	2	2.500	7.000	Sq.ft.		35.00
					Total	Sq.ft.		119.00
					Net Qty. (1899.93-119.00)	Sq.ft.		1780.93
					Or	Sqm.		165.45
23	15.6	10 mm thick cement plaster 1:4						
		<i>Outsinde Building (1x2) x (27.625+19.25)</i>	2	46.875	13.250	Sq.ft.		1242.19
		<i>Below D.P.C. (1x2) x (27.625+19.25)</i>	2	46.875	2.000	Sq.ft.		187.50
					Total	Sq.ft.		1429.69
		Deduction						
		<i>D/W</i>	1	3.500	7.000	Sq.ft.		24.50
			1	4.500	4.500	Sq.ft.		20.25
		<i>W</i>	1	6.000	4.500	Sq.ft.		27.00
		<i>W</i>	1	1.625	4.500	Sq.ft.		7.31
		<i>V</i>	2	4.000	2.250	Sq.ft.		18.00
		<i>VI</i>	1	3.000	2.250	Sq.ft.		6.75
		<i>V</i>	1	2.500	2.250	Sq.ft.		5.63
					Total	Sq.ft.		109.44
					Net Qty. (1429.69-109.44)	Sq.ft.		1320.25
					Or	Sqm.		122.65
24	14.3	Base course of floor consisting of 100mm thick cement concrete 1:8:16 and 100mm sand filling.						
		<i>Exam Room</i>	1	7.500	7.375	Sq.ft.		55.31
		<i>Passage</i>	1	6.000	3.000	Sq.ft.		18.00
		<i>Toilet</i>	1	6.000	4.000	Sq.ft.		24.00
		<i>Ward</i>	1	7.500	9.750	Sq.ft.		73.13
		<i>Clinic</i>	1	12.000	10.000	Sq.ft.		120.00
		<i>Waiting</i>	1	9.000	7.625	Sq.ft.		68.63
		<i>W. Basin</i>	1	1.875	2.000	Sq.ft.		3.75
		<i>Toilet</i>	1	4.000	5.000	Sq.ft.		20.00
					Total	Sq.ft.		382.81
					Or	Sqm.		35.56
25	14.127	Providing and laying vitrified floor tiles of Size 600 x 600 mm in different sizes in light colour shades on 20mm thick CSM 1:4						
		<i>Exam</i>	1	7.500	7.375	Sq.ft.		55.31
		<i>Passage</i>	1	6.375	3.000	Sq.ft.		19.13
		<i>Ward</i>	1	7.500	9.750	Sq.ft.		73.13

			<i>Clinic</i>	1	12.000	10.000	Sq.ft.	120.00
			<i>Waiting</i>	1	9.000	7.625	Sq.ft.	68.63
			<i>W. Basin</i>	1	1.875	2.000	Sq.ft.	3.75
			<i>D</i>	1	3.500	0.750	Sq.ft.	2.63
			<i>D</i>	1	3.000	0.750	Sq.ft.	2.25
			Opening/D	3	3.000	0.375	Sq.ft.	3.38
			D1	1	2.500	0.375	Sq.ft.	0.94
			D1	1	2.500	0.750	Sq.ft.	1.88
			Total				Sq.ft.	351.00
			Or				Sqm.	32.61
26	14.71	Anti-skid floor tiles 10mm thick in flooring skirting and dado in 12.5mm thick cement plaster 1:3 in base and jointed with white cement slurry in joints including corners angles and beading.						
			<i>Toilet</i>	1	6.000	4.000	Sq.ft.	24.00
			<i>Toilet</i>	1	4.000	5.000	Sq.ft.	20.00
			Total				Sq.ft.	44.00
			Or				Sqm.	4.09
27	14.141	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 size 200 x 300 mm as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:4						
			<i>Toilet (1x2) x (6+4)</i>	2	10.000	7.000	Sq.ft.	140.00
			<i>Toilet (1x2) x (4+5)</i>	2	9.000	7.000	Sq.ft.	126.00
			<i>Skirting Exam (1x2) x (7.5+7.375)</i>	2	14.875	0.333	Sq.ft.	9.91
			<i>Passage 1 (2x6.375)</i>	1	12.750	0.333	Sq.ft.	4.25
			<i>Ward (1x2) x (7.5+9.75)</i>	2	17.250	0.333	Sq.ft.	11.49
			<i>Clinic (1x2) x (12+10)</i>	2	22.000	0.333	Sq.ft.	14.65
			<i>Waiting (1x2) x (9+7.625)</i>	2	16.625	0.333	Sq.ft.	11.07
			Total				Sq.ft.	317.37
			Or				Sqm.	29.48
28	16.66	Preparation of plastered or concrete surface for painting (including sand papering the surface) using ready mixed cement based wall putty by applying two coats to get required finish						
			<i>Qty as per Item No. 22 & 24</i>		165.45+35.56		Sqm.	201.01
			Total				Sqm.	201.01
29	16.11	Distempering with Acrylic washable oil bound distemper (of approved manufacture) two coats over one priming coat to give an even shade.						
			<i>Qty as per Item No. 28</i>				Sqm.	201.01
			Total				Sqm.	201.01
30	16.14	Finishing walls with exterior decorative cement based paint such as snowcem, robbiacem etc. two coats to give an even shade.						
			<i>Qty as per Item No. 23</i>				Sqm.	122.65
			Total				Sqm.	122.65

31	16.17 b + 16.18 b	+ Painting 3 Coats Including i/c one premi coat with redymix paint ordinary quality on wood Work	<i>Double Qty of Item no.19 (2x124.10 Sq.ft.)</i>		Sq.ft.	248.20
				Total	Sqm.	23.06
32	16.21 b + 16.22 b	+ Painting 3 Coats Including i/c one premi coat with redymix paint ordinary quality on Steel Work	<i>Take 3 Time of Item no.15 (3x106.18Sq.ft.)</i>		Sq.ft.	318.54
				Total	Sqm.	29.59
33	13.13	Terracing consiting of tiles 22.86x11.43x3.83cm laid over 25 mm mud plaster 7.5 cm mud filling on another laver of 25mm mud plaster including two coats of bitumen laid hot at 1.65 Kg/sqm top of RCC slab including grouting with cement sand mortar 1:4 and top surface to be left clean after wire brushing etc.		1 21.750 17.750	Sq.ft.	386.06
				1 4.375 4.625	Sq.ft.	20.23
				1 23.875 3.000	Sq.ft.	71.63
				Total	Sq.ft.	477.92
		Deduction				
			<i>Top Khurra</i>	2 2.000 2.000	Sq.ft.	8.00
				Total	Sq.ft.	8.00
				Net Qty. (550.69-8.00)	Sq.ft.	469.92
				Or	Sqm.	43.66
34	13.55	Cement concrete 1:2:4 gola 10cm x 10cm concave quadrant along junction of roofs with parapet wall finished smooth, where specially specified.		(1x2) x (26.875+17.75) 2 44.625	Rft.	89.25
				Total	Rft.	89.25
				Or	Sqm.	27.20
35	13.74	Providing and fixing 110 mm dia SWR U.P.V.C Rain water pipe (ring fitted type-A) as per IS:13592 including jointing during masonary complete as per specifications and to the entire satisfaction of Engineer-incharge. (If fixed on wall face clamp to be paid separatly as per respective item)		2 13.500	Rft.	27.00
				Total	Rft.	27.00
				Or	Rmt.	8.18
36	13.75	Providing and fixing 110 mm dia SWR U.P.V.C bend for Rain water pipe as per IS:14735 including jointing complete as per specifications and to the entire satisfaction of Engineer- in- charge.		(2x2) 4	Nos.	4.00
37	13.45	Top khurra 0.6m x 0.6m for rain water pipe in 25mm thick cement concrete 1:2:4 over 50mm thick cement concrete 1:8:16.		2	Nos.	2.00

38	13.51	Bottom Khurra on ground 1.2m x 0.6m consisting of brick on-edge laid in cement mortar 1:3 over 75mm cement concrete 1:8:16 including 12.5mm thick cement plaster 1:3			
			2	Nos.	2.00
39		Extra Carriage of Fine Sand	As Per Consumption	Cum.	25.22
40		Extra Carriage of Course Sand & Bajri	As Per Consumption	Cum.	13.98

DETAILED ESTIMATE FOR CONTRUCTION OF CIVIL DISPENSARY									
		ABSTRACT OF COST							
Sr. No	CSR Ch. No.	Discription of work	Qty	Rate	Unit	Amount	Premium	Total	G.Total
1	6.6	Earth Work in foundation in all kinds of Soil.	26.28	66.28	Cum.	1741.96	80%	1393.57	3135.53
2	10.6 (b) ii	Cement Concrete 1:8:16 with 40mm gauge stone aggregate using concrete mixer volumertic type	18.40	1402.71	Cum.	25806.15	28%	7225.72	33031.87
3	11.3	Ist Class BB Work in CSM 1:6 in Found & Plinth as per C.S.R.	16.19	2412.63	Cum.	39063.76	54%	21094.43	60158.19
4	10.15	Reinforced cement concrete M-20 mechanically batch mixed using batch type concrete mixer as per IS : 1791 and vibrated by needle vibrator but excluding steel reinforcement centring and shuttering in foundation and plinth	2.45	3161.20	Cum.	7743.35	28%	2168.14	9911.49
		Extra for Mech. Machines	2.45	75.00	Cum.	183.71	18%	33.07	216.78
5	6.8 (a)	Earth filling under floors with surplus ordinary soil or soil containing gravel or kankar upto 40% excavated from foundation and taken only from outside the building plinth in 15 cm layers including ramming, watering and consolidating lead upto 30 metres	19.86	23.72	Cum.	471.03	80%	376.82	847.86
6	10.28	Damp proof course 4 cm thick of cement concrete 1: 2: 4 with two coats of bitumen 20/30 penetration @ 1.65 kg per sqm laid hot and sanded.	8.81	202.79	Sqm.	1785.60	30%	535.68	2321.28
7	11.4	First class burnt brick work laid in cement sand mortar 1:6 in first storey upto 4 metres above plinth level.	21.41	2595.23	Cum.	55564.02	54%	30004.57	85568.59
8	11.36	115 mm thick brick wall laid in cement sand mortar 1:4 without reinforcement in super structure.	38.99	334.32	Sqm.	13036.73	54%	7039.84	20076.57
9	10.21	Reinforced cement concrete M-20 mechanically batch mixed using batch type concrete mixer as per IS : 1791 and vibrated by needle vibrator but excluding steel reinforcement centring and shuttering in foundation and plinth	7.50	3477.84	Cum.	26083.80	28%	7303.46	33387.26
10	9.1	Shuttering for faces of concrete foundations and foundation beam & plinth beam (vertical or battering)	3.68	117.27	Sqm.	430.97	35%	150.84	581.81
11	9.6	Centring and shuttering for sides and soffits of beam, beams launchings girders bressumers, lintels	11.84	139.80	Sqm.	1655.23	35%	579.33	2234.56
12	9.8	Centring and shuttering for flat surfaces such as suspended floors, roofs, landings, chajjas, Slab, shelves & Facia etc.	52.54	151.12	Sqm.	7939.09	35%	2778.68	10717.77
13	18.18	Cold twisted deformed (ribbed/ tor steel) Bars Fe 415 grade as per IS 1786-1985 for R.C.C. works, where not included in the complete rate of R.C.C. including bending, binding, and placing in position complete.	8.43	5166.94	Qtl.	43567.64	16%	6970.82	50538.46
		D/d of steel rate	8.43	-888.80		-7494.36	5%	-374.72	-7869.08

14	18.24	Supply & Fixing of pressed steel frames (Chowkats) consisting of 18 gauge (1.25mm) thick steel sheet of the specified section(standard design latest) including iron lugs (hold fasts) iron hinges, confirming to P.W.D. specifications including bolts for fixing stops, locknotch provision for receiving tower bolts, Hydraulic spring and finished with one priming coat of approved quality, fixed in position, including the cost of cement concrete 1:3:6 for filling in the frame and cement concrete 1:2:4 for lugs complete.							
		i)	58.67	356.98	Rmt.	20943.12	23%	4816.92	25760.04
		ii)	50.87	306.10	Rmt.	15571.43	23%	3581.43	19152.86
		D/d of structural Steel rate	3.29	-895.47	Qtl.	-2942.64	5%	-147.13	-3089.77
15	18.4	Wrought iron and mild steel ladders, framed grills, grating etc. with ends of bars, riveted or welded or forged, framed window guards, barred iron doors, stair case, iron railing including cost of bolts and nuts or screws or welding rod, complete fixed in position.							
			1.06	6894.90	Qtl.	7320.66	23%	1683.75	9004.41
		D/d of structural Steel rate	1.06	-895.47	Qtl.	-950.77	5%	-47.54	-998.30
16	18.38	Providing & fixing of Box type steel windows, made of various ERW section outer 60mm x 25mm, central mullion 60mm x 25mm, for shutter 50mm x 20mm having thickness of 1.25mm (18 gauge), shash bar MS Tee 25mm x 3mm where required joints mitred and electrically flashwelded, with iron fittings including necessary iron handles,hinged cleat, tower bolts, iron hold fast and pintle hinges complete (excluding glazing and wire guage) and finished with ready mixed paint red lead non setting primer complete as per specification, Drawings and to the entire satisfaction of engineer-in-charge. (Note:- Glazing, wire guage and grill will be paid as per respective items)	95.55	78.06	Kg.	7458.63	23%	1715.49	9174.12
17	18.25 (b)	Supplying and fixing glass panes with glazing clips and special metal sash putty of approved make. (b) Glass panes 4mm thick above 0.40 sqm area.	7.89	517.57	Sqm.	4083.99	16%	653.44	4737.42
18	18.27	Wire gauge fixed on steel windows of standard rolled steel section, with 3mm thick flat iron cover moulding of 12.5mm width, fixed with machine screws, complete in all respects.	3.58	614.20	Sqm.	2196.78	30%	659.03	2855.81
19	17.27 a (iv)	Factory manufactured flush door fixed in position iron hinges, etc (excluding the cost of any fittings other than specified above but including labour for fixing the same in position (Code : II Revision IS-2191 Part-I) 1973 (a) Commercial with elm or gurjan facing on both \ Sides with laminated core and lipped edges:- (iv) 35 mm thick	11.53	2442.02	Sqm.	28153.99	20%	5630.80	33784.79
20	17.23 (ii)	Cost of Aluminium fittings complete for doors, windows such as tower bolts, handless and screw etc. for these fittings (Excluding sliding bolt) (ii) For shutter area above 0.50 sqm	11.53	125.25	Sqm.	1444.00	15%	216.60	1660.61

21	17.49 a	Providing and fixing aluminium sliding door bolts ISI marked anodized (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete :							
		(A) 300mm x 16mm	5.00	110.05	Nos.	550.25	15%	82.54	632.79
		(B) 250mm x 16mm	2.00	97.29	Nos.	194.58	15%	29.19	223.77
22	15.10	12.5 mm thick cement plaster 1:5	165.45	76.18	Sqm.	12603.85	40%	5041.54	17645.39
23	15.6	10 mm thick cement plaster 1:4	122.65	65.33	Sqm.	8012.80	40%	3205.12	11217.93
24	14.3	Base course of floor consisting of 100mm thick cement concrete 1:8:16 and 100mm sand filling.	35.56	179.87	Sqm.	6396.77	45%	2878.55	9275.31
25	14.127	Providing and laying vitrified floor tiles of Size 600 x 600 mm in different sizes in light colour shades on 20mm thick CSM 1:4	32.61	832.86	Sqm.	27157.82	33%	8962.08	36119.89
26	14.71	Anti-skid floor tiles 10mm thick in flooring skirting and dado in 12.5mm thick cement plaster 1:3 in base and jointed with white cement slurry in joints including corners angles and beading.	4.09	722.07	Sqm.	2951.53	35%	1033.04	3984.57
27	14.141	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 size 200 x 300 mm as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:4	29.48	500.62	Sqm.	14759.90	33%	4870.77	19630.66
28	16.66	Preparation of plastered or concrete surface for painting (including sand papering the surface) using ready mixed cement based wall putty by applying two coats to get required finish	201.01	39.58	Sqm.	7955.98	25%	1988.99	9944.97
29	16.11	Distempering with Acrylic washable oil bound distemper (of approved manufacture) two coats over one priming coat to give an even shade.	201.01	35.60	Sqm.	7155.96	50%	3577.98	10733.93
30	16.14	Finishing walls with exterior decorative cement based paint such as snowcem, robbiacem etc. two coats to give an even shade.	122.65	43.54	Sqm.	5340.23	50%	2670.12	8010.35
31	16.17 b + 16.18 b	Painting 3 Coats Including i/c one premi coat with redymix paint ordinary quality on wood Work	23.06	55.17	Sqm.	1272.11	25%	318.03	1590.13
32	16.21 b + 16.22 b	Painting 3 Coats Including i/c one premi coat with redymix paint ordinary quality on Steel Work	29.59	49.19	Sqm.	1455.65	25%	363.91	1819.56
33	13.13	Terracing consisting of tiles 22.86x11.43x3.83cm laid over 25 mm mud plaster 7.5 cm mud filling on another laver of 25mm mud plaster including two coats of bitumen laid hot at 1.65 Kg/sqm top of RCC slab including grouting with cement sand mortar 1:4 and top surface to be left clean after wire brushing etc.	43.66	369.23	Sqm.	16119.01	54%	8704.27	24823.27
34	13.55	Cement concrete 1:2:4 gola 10cm x 10cm concave quadrant along junction of roofs with parapet wall finished smooth, where specially specified.	27.20	35.77	Rmt.	973.07	38%	369.76	1342.83

35	13.74	Providing and fixing 110 mm dia SWR U.P.V.C Rain water pipe (ring fitted type-A) as per IS:13592 including jointing during masonry complete as per specifications and to the entire satisfaction of Engineer-incharge. (If fixed on wall face clamp to be paid separatly as per respective item)	8.18	191.93	Rmt.	1569.14	25%	392.29	1961.43
36	13.75	Providing and fixing 110 mm dia SWR U.P.V.C bend for Rain water pipe as per IS:14735 including jointing complete as per specifications and to the entire satisfaction of Engineer- in- charge.	4.00	112.12	Nos.	448.48	25%	112.12	560.60
37	13.45	Top khurra 0.6m x 0.6m for rain water pipe in 25mm thick cement concrete 1:2:4 over 50mm thick cement concrete 1:8:16.	2.00	65.25	Nos.	130.50	38%	49.59	180.09
38	13.51	Bottom Khurra on ground 1.2m x 0.6m consisting of brick on-edge laid in cement mortar 1:3 over 75mm cement concrete 1:8:16 including 12.5mm thick cement plaster 1:3	2.00	394.69	Nos.	789.38	45%	355.22	1144.60
		D/d of Cement bag rate	200.61	-50.00	Bag	-10030.60	0%	0.00	-10030.60
							Total		557712.41
		Provision for Electric Installation & Fixtures (As per Estimate Attached.)							52000.00
		Provision for Public Healt Installation (As Per Detail Estimate Attached)							100377.37
							Total		710089.78

Say Rs. 7.10/- Lacs

Note:-

- 1 This estimate has been prepared with Zone 'A' rates.
- 2 Extra carriage of Material has not been taken/added in this estimate
- 3 Difference of rates of Material shall be deducted/added as per site/ CSR item/ Premium list
- 4 Rate/ premium taken in this estimate as per latest premium 11.12.13 and A&C Slip 01 to 11
- 5 NS items Rates are taken only for Estimate purpose payment should be made as per actual work done
- 6 These estimate are only for Reference purpose.
- 7 Any discrepancy may kindly be brought to the notice of the office.

Consumption Statement of Civil Work										
S. No.	Item	Qty	Unit	Cement	F/Sand	C/Sand	C/Bajri	Stone Metal	Bricks	Tiles
1	Cement Concrete 1:8:16	18.40	Cum.	33.12	9.20			18.40		
2	B.B. Work 1:6	37.60	Cum.	45.12	9.40				18048	
3	B.B. Work 1:4	4.48	Cum.	7.85	1.12				2151	
4	Reinforced Cement Concrete M-20	9.95	Cum.	67.66		3.42	6.76			
5	12.5mm Cement Plaster 1:5	165.45	Sqm.	15.55	2.65					
6	10mm Cement Plaster 1:4	122.65	Sqm.	11.04	1.47					
7	Base Course of Floor	3.56	Cum.	6.40	5.34					
8	Damp proof course 4 cm thick of cement concrete 1: 2: 4 (7.08 Sqm.)	0.35	Cum.	2.29		0.16	0.32			
9	20mm thick CSM 1:4	32.61	Sqm.	5.87	0.75					
10	12.5mm thick CSM 1:3	4.09	Sqm.	0.65	0.06					
11	12.5mm thick CSM 1:4	29.48	Sqm.	3.54	0.42					
12	Terracing consiting of tiles	43.66	Sqm.	1.53	0.21					1616
13	Cement Concrete Gola 10cmx10cm of CC 1:2:4	27.20	Rmt.			0.12	0.24			
	Total			200.61	30.62	3.70	7.32	18.40	20199	1616
					Cum.	Cum.	Cum.	Cum.	No.	No.

Detaild Estimate for the Installation of Public Health work in Civil Dispensary

Sr. No.	DESCRIPTION OF ITEM	NO	L	B	H/D	QTY.	Unit	Rate	Premium	Amount
1	2	3	4	5	6	7	8	9	10	11
1	Providing and fixing in position Chinaware Anglo Indian water closet with P trap or S trap of approved make (to the approval of the Engineer-in-charge) consisting of 10 ltr. PVC flushing cistern, PVC short bend 32 mm dia including cost of seat cover complete in all respect and to the entire satisfaction of Engineer-in-charge (Ch. No. 30.4)									
	W.C. Seat	2				2	No.			
					@ Rs.	3995.50	each			7991
2	Providing and fixing jet spray with 2'-6" long PVC pipe with C.P. Brass nut (Ch. No. 30.8 a)	2				2	No.			
					@ Rs.	444.00	each			888
3	Providing & fixing in position vitreous Chinware white flat back or angular lipped front urinal of approved make (to the approval of the Engineer-in-charge) of size 460 x 350 x 260 mm with C.P. brass tube connection 300 mm long complete in all respect (Ch. No. 30.15)									
	Urenal	2				2	No.			
					@ Rs.	2293.00				4586
4	Providing and fixing in position vitreous chinaware white lavatory suites of approved make (to the approval of Engineer-in-charge) consisting of C.P. brass waste 32mm dia with one C.P. brass pillar tap complete in all respect (Ch. No. 30.37 ii)									
	(ii) Size 550 mm x 400 mm	1				1	No.			
					@ Rs.	2900.50	each			2901
5	Providing and fixing vitreous chinaware standard pedestal of approved make (to the approval of Engineer-in-charge) for wash hand basin complete in all respect (Ch. No. 30.43A)	1				1	No.			
					@ Rs.	1817.50	each			1818

6	Providing and fixing in position SWR UPVC specials for soil waste vent or anti syphonage pipes as per as per IS - 14735 of approved make (to the approval of Engineer-in-charge) including cutting and wastage etc. cutting holes in walls roofs or floors etc. and making good to its original condition but excluding cost of lead joining. (Ch. No. 30.81 (iii) b (x))									
	(B) For 110mm o/d pipes									
	(x) P Trap/floor trap 110mm x75mm	3				3	No.			
					@ Rs.	313.00	each			939
7	Providing & Fixing in position 15 mm i/d bib cock of approved make (to the approval of Engineer-in-charge) complete in all respect. (Ch. No. 30.65 A (ii))									
	(a) C.P. brass Bib cock without flange	2				2	No.			
					@ Rs.	819.00	each			1638
8	Providing & Fixing in position stop cock / Angle valve of approved make (to the approval of Engineer-in-charge) complete in all respect. (Ch. No. 30.66 C)									
	C.P.brass 15mm Angle valve without flange	4				4	No.			
					@ Rs.	796.00	each			3184
	4									
9	Providing and fixing in position H.C.I. soil waste vent or antisiphonage pipes to I.S.I. specification (IS:1729) of approved make (to the approval of Engineer-in-charge) including cutting, jointing, wastage, but excluding cost of lead jointing. (Ch. No. 30.72 A)									
		3				3	No.			
					@ Rs.	160.00	each			480
10	Providing ,laying, jointing, fixing and testing ISI Marked G.I. Pipe (as per IS 1239) B-Class Premium make such as (Jindal Hisar) including cost of specials (such as tees, bends, sockets, elbows etc.) ,painting with anti corrosive bitumastic paint, testing, cutting, threading Inside building complete. (Ch. No. 28.35)									
	25mm i/d	1	25			25	Rft.			
					Or	7.62	Rmt.			

				@ Rs.	289.00	Mtr.			2202
	20mm i/d	1	12		12	Rft.			
				Or	3.66	Rmt.			
				@ Rs.	218.00	Mtr.			797
	15mm i/d	1	45		45	Rft.			
				Or	13.72	Rmt.			
				@ Rs.	175.00	Mtr.			2400
11	Providing, fixing and jointing G.I Union Couplings(of approved make with the approval of EIC) as per IS 1879 in G.I. Pipe lines complete in all respect. (Ch. No. 28.40)								
	25mm i/d G.I. Union	1			1	No.			
				@ Rs.	184.50	each			185
	20mm i/d G.I. Union	1			1	No.			
				@ Rs.	145.50	each			146
12	Providing, fixing and jointing Gun-Metal peet valves 20mm i/d (Ch. No. 28.44 b)	1			1	No.			
				@ Rs.	333.00	each			333
13	Providing and fixing in position SWR UPVC soil waste vent or antisiphonage pipes as per IS -13592 of approved make (to the approval of Engineer-in-charge)including cutting, jointing, wastage, but excluding cost of lead jointing. (Ch. No. 30.74 (iii) Type-A								
	(b) 110mm o/d SWR UPVC pipe line laid complete	2	6	-	-	12	Rft.		
		2	6	-	-	12	Rft.		
		1	9	-	-	9	Rft.		
		1	5	-	-	5	Rft.		
				Total	38	Rft.			
				Or	11.58	Rmt.			
				@ Rs.	262.50	each			3040
	('c) 90mm o/d SWR UPVC pipe line laid complete	2	10		20	Rft.			
				Or	6.10	Rmt.			
				@ Rs.	241.50	Mtr.			1472

	(a) Size 450 mm x 450 mm inside with RCC 455 mm x 455 mm cover and frame medium duty double seal	2				2	Each			
					@ Rs.	3338.80	Each			6678
19	Providing and fixing in position C.I. gully trap cover weighing approximately 7.26 kg and frame for gully trap chamber clear opening size 300mm x 300mm and out side size 330mmx330mm including painting the exposed surface with 3 coats of black bitumastic superior paint of approved make (to the approval of Engineer-in-charge) (Ch. No. 30.75)	2				2	Each			
					@ Rs.	677.50	Each			1355
20	Construction of Septic Tank as per Design (Detail Estimate Attached	1				1	Each			
					@ Rs.	24189.94	Each			24190
21	Construction of Sokage Pit as per Design (Detail Estimate Attached	1				1	Each			
					@ Rs.	14354.44	Each			14354
									Total	100377

Detailed Estimate for Sokage Pit

Sr. No.	DESCRIPTION OF ITEM	NO	L	B	H/D	QTY.	Unit	Rate	Premium	Amount
1	2	3	4	5	6	7	8	9	10	11
1	Earth work in excavation in foundations, trenches etc. in all kinds of soil where pick jumper work is not involved and not exceeding 2.00 metres depth including dressing of bottom and sides of trenches, stacking the excavated soil clear from the edge of excavation (Ch. No. 6.6)									
	1	3.143	2.43	2.43	9.00	167	Cft.			
					Or	4.73	Cum	66.28	80%	564
2	Conc. Cement 1:8:16 10.6 a 1	3.143	4.875	1.25	0.75	14	Cft.			
					Or	0.41	Cum	1570.22	35%	830
3	First class 225mm thick honey-comb burnt brick work laid in cement sand mortar 1:4 (Ch. No. 11.41)									
	Soakege Pit	1	3.143	3.75	5.00	59	Sft.			
					Or	5.47	Sqm	505.09	54%	4258
4	First class burnt brick work laid in cement sand mortar 1 : 4 in foundation and plinth (Ch. No. 11.7)									
	Soakege Pit 1	3.143	3.75	0.75	4.50	40	Cft.			
					Or	1.13	Cum	2572.89	54%	4460
5	Supplying & Laying dry brick bats (Ch. No. 10.31)									
	In Soakege Pit 1	3.143	1.5	1.50	5.00	35	Cft.			
					Or	1.00	Cum	615.50	35%	831
6	Reinforcement cement conc. M-20 mechanically batch mixed using batch type conc. Mixer as per IS : 1791 and Vibrated by needle Vibrated but excluding steel reinforcement centring and shuttering in foundation and plinth (Ch. No. 10.15)									
	Soakege Pit Slab 1	3.143	2.25	2.25	0.417	7	Cft.			
					Or	0.19	Cum	3161.20	28%	760
7	Extra for material m									
	Qty. Same as per item No. 6					0.19	Cum	75.00	18%	17

8	C & S for Slab 9.8									
	For item No. 6 = 0.19 @ 8.25 Sqm = 1.65 Sqm					1.65	Sqm	151.12	35%	337
9	CTD bars for RCC work Ch. 18.18									
	For item No. 6 = 0.19 @ 110 Kg. = 22 Kg.					22	Kg.			
						Or 0.22	Qtl.	5166.94	16%	1319
	D/d of Steel rate					0.22		-888.8	5%	-205
10	12.5mm thick Cement Plaster 1:2									
	Inside	1	3.143	3.00	4.00	38	Sft.			
						Or 3.50	Sqm	107.18	40%	526
11	Providing and fixing RCC M.H. Cover.	1				1	No.	1000	0%	1000
	Deduct Cement Rate					6.84	Bags	-50		-342
									Total	14354
									N. Total	14354

Material Statement
Name of Work :- Civil Dispensary

Sr. No.	Description	Qty	Unit	Cement	Fine Sand	Course Sand	Crushed Bajri	Bricks
1	C. Conc. 1:8:16	0.41	Cum	0.73	0.19	-	-	-
2	B.B. in CSM 1:4	1.13	Cum	1.97	0.28	-	-	543
3	225 mm Honey comb 1:4	5.47	sqm or					
		1.23	cum	2.16	0.31			591
4	R.C.C. M-20	0.19	Cum	1.28	0.00	-	-	-
5	12.5 mm Thick C.P. 1:2	3.50	Sqm	0.70	0	0.09	0.17	-
	Total			6.84	0.84	0.09	0.17	1134.27
				bags	Cum	Cum	Cum	Nos.

Detaild Estimate for Septic Tank

1	2	3	4	5	6	7	8	9	10	11
S.No.	Description of Items	No.	L	B	H/D	Qty.	Unit	Rate	Preimum	Amount
1	Earth work in excavation for storage and sedimentation tanks, high level tanks, filter beds, clear water reservoirs, pump houses, sumps, screening chambers and other similar works having straight or open cuttings in foundations trenches etc. with 3D Excavator/ JCB including manually dressing of bed, trimming of sides and side slopes to full dimension and depth as shown on the drawings or as shall be required by Engineer-in-charge, including dressing of bottom and sides of trenches, stacking the excavated soil clear from the excavation and subsequent filling around plinth/ structures including watering dressing and disposal of surplus soils as directed upto 15 metre complete in all respects (Ch. No. 29.02 A (a))									
	(A) Depth upto 2.00 m B.G.L.									
	(a) For all kinds of soil except of rocky.	1	7.00	5.00	3.50	122.50	Cft.			
					Or	3.47	Cum.	47.16	0%	163
2	Cement concrete 1:5:10 with 40 mm gauge stone ballast (Ch. No. 10.8 b)									
	Septic Tank	1	7.00	5.00	0.50	17.50	Cft.			
					Or	0.50	Cum.	1719.37	35%	1150
3	First class burnt brick work laid in cement sand mortar 1 : 5 in foundation and plinth (Ch. No. 11.5)									
	Septic Tank L/ wall	2	6.50	0.750	6.00	58.50	Cft.			
	S/ wall	2	3.00	0.750	6.00	27.00	Cft.			
	I.C.	2	2.75	0.375	1.50	3.09	Cft.			
		2	1.25	0.375	1.50	1.41	Cft.			
					Total	90.00	Cft.			
					Or	2.55	Cum.	2485.48	54%	9749
4	12.5mm thick cement plaster 1:4 (Ch. No. 15.9)									
	Septic Tank	1x2	(5 + 3)		6.00	96.00	Sft.			
	I.C.	1x2	(1.50 + 1.25)		1.25	7.00	Sft.			
					Total	103.00	Sft.			
					Or	9.57	Sqm.	84.10	40%	1127
5	Cement rendering on plaster 1mm thick (Ch. No. 15.48)									
	Qty. same as per item No. 4					9.57	Sqm.	29.13	40%	390

6	Cement Conc. 1: 2 :4 with stone ballast or shingle (Ch. No. 10.12)									
	In Septic Tank	1	6.50	4.50	0.25	7.31	Cft.			
					Or	0.21	Cum.	2759.69	26%	720
7	Reinforcement Cement Conc. M-20 mechanically batch mixed using batch type conc. Mixer as per IS : 1791 and Vibrated by needle Vibrated but excluding steel reinforcement centring and shuttering in foundation and plinth (Ch. No. 10.15)									
	Septic Tank	1	6.50	4.50	0.375	10.97	Cft.			
	Beffle Wall	1	3.75	0.13	1.500	0.70	Cft.			
	I.C.	1	2.75	2.00	0.166	0.91	Cft.			
					Total	12.58	Cft.			
					Or	0.36	Cum.	3161.20	28%	1441
8	Centring and shuttering for flat surface such as suspended floors,roofs,landing, chhajjas,shelves etc. (Ch. No. 9.8)									
	For item No. 7 = 0.36 Cum @ 8.75 Sqm. = 2.97 Sqm					2.97	Sqm.	151.12	35%	606
9	Cold twisted deformed (ribbed/ tor steel bar) Bars, Fe 500 grade as per IS 1786-2008 for RCC works,where not included in the complete rate of R.C.C. including bending and placing in position complete (Ch. No. 18.18)									
	For item No. 7 = 0.36 Cum @ 100 Kg. = 36 Kg.					36	Kg.			
					Or	0.36	Qtl.	5166.94	16%	2158
	D/d of Steel rate					0.36	Qtl.	-888.80	5%	-336
10	Providing orange colour safety footrest of minimum 6mm thick plastic encapsulated as per IS:10910 on 12mm dia steel bar confirming to IS: 1786 having minimum cross section as 23mm x 25mm and over all minimum length 263mm and width as 165mm with minimum 112mm space between protruted legs having 2mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specification and having manufacturer's permanent identification mark to be visible even after fixing, including fixing in manholes with 230x150x75cm cement concrete block 1:2:4 (1 cement: 2 sand: 4 stone aggregate) complete as per design (Ch. No. 29.37)	4	0	0	0	4.00	No.	144.74	0%	579
11	Extra for mechanically mixed for mixed RCC and Cement. Ch. No. 10.46 ii									
	Qty. same as per item No. 2 and 7 = 0.51 + 0.36 = 0.87 Cum					0.87	Cum	75.00	18%	77

12	Providing & fixing 560mm, 500mm and 450mm internal Diametre circular or 455mm x 610mm clear inside opening rectangular cast iron manhole cover and frame ISI marked (Ch. No. 29.36)									
	(c) R.C.C. Manhole cover									
	(d) 560mm i/d Medium duty	1	0	0		1.00	No.	1471.49	0%	1471
13	Providing and fixing in position H.C.I. soil waste vent or antisiphonage pipes to I.S.I. specification (Ch. No. 30.74) i b									
	100mm i/d HCI Pipe	2	0	0		2.00	Mtr.	1047.00	0%	2094
14	Providing lead caulked joints to H.C.I. pipes and specials conforming to I.S.I. Specification (Ch. No. 30.77 a) b									
	100mm i/d (1 x 36 Kg)	1	0	0		1.00	Each	385.50	0%	386
15	Providing and fixing in position H.C.I. specials for soil waste vent or anti syphonage pipes to I.S.I specifications (Ch. No. 30.81 i)									
	(vi) Cowl	1	0	0		1.00	Each	415.50	0%	416
16	Provision for HCI specials for making inlet or outlet HCI connections inside the septic tank such as tees bends, etc. complete in all respects.	1	0	0		1.00	Job	2500.00	0%	2500
	Deduct Cement Rate					10.00	bags	-50.00		-500
									Total	24190
									N. Total	24190

Material Statement
Name of Work :- Civil Dispensary

Sr. No.	Description	Qty	Unit	Cement	Fine Sand	Course Sand	Crushed Bajri	Stone Mattle (40mm Gauge)	Bricks
1	C. Conc. 1:5:10	0.50	Cum	1.39	0.25	-	-	0.49	-
2	C. Conc. 1:2:4	0.21	Cum	1.35	0.00	0.09	0.19	-	-
3	B.B. in CSM 1:5	2.55	Sqm	3.69	0.64	-	-	-	1224
4	12.5mm Thick C.P. 1:4	9.57	Cum	1.15	0.15	-	-	-	-
5	R.C.C. M-20	0.36	Sqm	2.42	0.00	0.15	0.31	-	-
	Total			10.00	1.04	0.24	0.50	0.49	1224
				bags	Cum	Cum	Cum	Cum	Nos.