



S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
4	Construction of cement concrete kerb with channel with top and bottom width 115 and 165 mm respectively, 250 mm high in M 20 grade PCC on M10 grade foundation 150 mm thick, kerb channel 300 mm wide, 50 mm thick in PCC M20 grade, sloped towards the kerb, kerb stone with channel laid with kerb laying machine, foundation concrete laid manually, all complete as per clause 408	2	20			40	Rm	537.8	21512	Morth Block 33 Doriwala Item No_ 8-2-A
	Using Concrete Mixer								143,201.75	
	TOTAL									

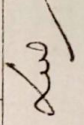
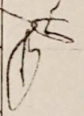
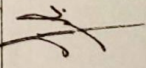
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 or Rs 1.36 lacs
 NSI - 2011



TYPICAL CROSS SECTION OF KERB
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Subwork 3: Construction of Approach Road

S. No	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
1	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, stone screening/binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 1 as per Technical Specification Clause 404.	1	100	4.5	0.1	45	cu m	1818.8	81846	MORD Block 33 Doiwala_item No_ 4-7-1-B
									122769.00	
2	Grading 2 By Mechanical Means Concrete with cement, coarse sand and 40 mm gauge stone ballast in proportion 1:3:6 in foundations and floors including supply of all material/labour and T&P etc. required for proper completion of the work, as per drawings and technical specifications Clause 802, 803, 1202 & 1203	1	100	4.5	0.1	45	cu m	1897.6	85392	MORD Block 33 Doiwala_item No_ 4-7-2-B
		1	100	4.5	0.1	45	cu m	4445.8	200061	MORD Block 33 Doiwala Item No_ 11-4-1-1






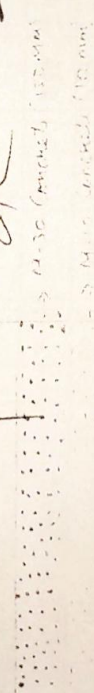


S. No	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
3	Construction of Un-reinforced, Cement concrete pavement, thickness as per design, over a prepared sub base with 43 grade cement or any other type PCC Grade M-30, coarse and fine aggregates conforming to IS: 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (Steel channel, laying and fixing of wedges, steel plates including levelling the formwork and laying and fixing of 125 micron thick polythene film, as per drawing), spreading the concrete with shovels, rakes, compacted using needle, and plate vibrators, finished in continuous operation and curing of concrete slabs for 14 days, using curing compound where specified and water finishing to lines and grade as per drawings and technical specifications	1	100	4.5	0.15	67.5	cu m	5,375.40	362839.5	Misc Block 33 Doiwala Item No_ 2-3

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S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
4	Construction of cement concrete kerb with channel with top and bottom width 115 and 165 mm respectively, 250 mm high in M 20 grade PCC on M10 grade foundation 150 mm thick, kerb channel 300 mm wide, 50 mm thick in PCC M20 grade, sloped towards the kerb, kerb stone with channel laid with kerb laying machine, foundation concrete laid manually, all complete as per clause 408	2	100				Rm	537.8	107560	Morth Block 33 Doiwala Item No_ 8-2-A
	Using Concrete Mixer									
	TOTAL								837,698.50	793 22-9.50


 Key S1 - Rs 7.93 lacs
 NS 7 —



TYPICAL CROSS SECTION OF ROAD



Subwork 4: Construction of Entrance Gate

S. N	Item Description	No	Length h	Breadth h	Height t	Qty	Unit	Rate	Amount	Item Reference
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.									
	Upto 1.5 meter depth									
	For Column foundation	2	1.65	1.65	1.075	5.85				
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:3:6 (1 Cement : 3 coarse sand (zone-III): 6 graded stone aggregate 40 mm nominal size)								1476.81	DSR Item No. 2.8.1
	For Column foundation	2	1.65	1.65	0.075	0.41				
3	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately).								2501.81	DSR Item No. 4.1.6
3.1	All works upto plinth level									

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S. No	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
	Column foundation	2	1.5	1.5	0.3	1.35				
	Column above foundation upto plinth	2	0.3	0.3	0.7	0.13				
						1.48	Cum	7997.3	11804.01	DSR Item No_5.33.1
3.2	All works above plinth level upto floor V level									
	Column above plinth	2	0.3	0.3	1.5	0.27				
						0.27	Cum	9400.85	2538.23	DSR Item No_5.33.2
4	Centering and shuttering including strutting, propping etc. and removal of form work for :									
4.1	Foundations, footings, bases for columns									
	sides of column foundation	2	6		0.3	3.60	sqm	284.85	1025.46	DSR Item No_5.9.1
4.2	Columns, piers, abutments, pillars, posts and struts									
	sides of column	2	1.2		2.2	5.28	sqm	733.7	3873.94	DSR Item No_5.9.6
5	Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.									
5.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.					174.60	Kg	83.5	14579.10	DSR Item No_5.22.6
5.2	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete									
						225	Kg	86.05	19361.25	DSR Item No_10.1
							Total		57160.60	

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SI - 24057 kg
MS - 21



Subwork 5: Construction of Admin Building

S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
	Civil Work									
	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.									
	Upto 1.5 meter depth									
	For column foundation (1200x1200)	6	1.35	1.35	2.1	22.96				
	For PCC of Plinth Beam	1	12.12	0.38	0.25	1.15				
						24.11	Cum	252.3	6084.19	DSR Item No_2_8_1
2	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in-Charge.	1	5.95	2.84		16.90	Sqm	92.55	1563.91	DSR Item No_2_1_1
3	150 mm THK Well compacted stone soling voids should be filled and compacted with stone chipping and sand filling 60-90 mm stone size									
	For flooring	1	5.95	2.84	0.15	2.53				
	For Entrance	1	1.2	3.0	0.15	0.54				
	In Plinth protection	1	21.82	0.6	0.15	1.96				
						5.04	Cum	1873.00	9437.11	UNIT ESTIMATE
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand (zone-III); 6 graded stone aggregate 40 mm nominal size).									
	For column foundation (1200x1200)	6	1.35	1.35	0.075	0.82				
	Below plinth beam	1	19.68	0.38	0.075	0.56				

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S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
	For Entrance	1	1.2	3.00	0.1	0.36				
	Above soiling	1	5.95	2.84	0.075	1.27				
	For Plinth Protection	1	21.82	0.60	0.1	1.31				
5	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge." (Note :- Cement content considered in this item is @ 330 kg/cum. "Excess/ less cement used as per design mix is payable/recoverable separately).					4.32	Cum	6126.25	26450.42	DSR Item No_4.1.6
	All works upto plinth level									
	For column foundation (1200x1200)	6	1.2	1.2	0.35	3.02				
	Column above foundation upto plinth level	6	0.23	0.3	1	0.41				
	Plinth beam	1	19.68	0.23	0.25	1.13				
	All works above plinth level upto floor V level					4.57	Cum	7997.3	36544.46	DSR Item No_5.33.1
	Column (230x300)	6	0.23	0.3	3.1	1.28				
	Roof Beam 1	2	5.95	0.23	0.25	0.68				
	Roof Beam 2	3	2.84	0.23	0.25	0.49				
	Roof Slab	1	7.01	3.9	0.125	3.42				
	Lintel for D1	2	1.5	0.23	0.23	0.16				
	Lintel for W1	2	1.3	0.23	0.23	0.14				
	Chajja over W1	2	1.3	0.6	0.13	1.93				
	Chajja over D1	1	1.5	0.6	0.13	0.11				

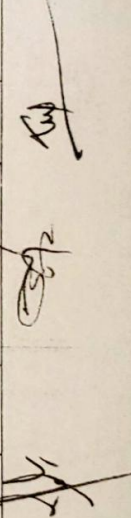
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S. No	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
6	Centering and shuttering including strutting, propping etc. and removal of form work for Foundations, footings, bases for columns sides of foundation	6	4.8		0.35	10.08	sqm	284.85	2871.29	DSR Item No_5_9_1
	For column foundation (1200x1200)									
	Columns, piers, abutments, pillars, posts and struts									
	Sides of column above foundation									
	Column (230x300)	6	1.06		3.1	19.71 6				
	Lintels, beams, plinth beams, girders, bressumers and cantilevers					19.71 6	sqm	733.7	14465.63	DSR Item No_5_9_6
	Sides of Plinth Beam	1	19.68		0.50	9.84				
	Roof Beam 1	2	5.95		0.73	8.69				
	Roof Beam 2	3	2.84		0.73	6.22				
	Lintel for D1	2	1.50		0.69	2.07				
	Lintel for W1	2	1.30		0.69	1.79				
	Suspended floors, roofs, landings, balconies and access platform	1	7.01	3.90		28.61	sqm	552.05	15794.48	DSR Item No_5_9_5
	Weather shade, Chajjas, corbels etc., including edges									
	Chajja over W1	2	1.3	0.6		1.56				
	Chajja over D1	1	1.5	0.6		0.90				
						2.46	sqm	766.75	1886.21	DSR Item No_5_9_19

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S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
7	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level and above Thermo-Mechanically Treated bars of grade Fe-500D or more					1505	Kg	83.5	125687.15	DSR Item No_5_22.6
	Consider 1.5 % of Total volume									
8	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level									
	Cement mortar 1:6 (1 cement : 6 coarse sand)									
	Center line	1	19.68	0.23	2.85	12.90				
	Parapet wall	1	21.82	0.115	0.6	1.51				
	Plaster for Parapet wall @ 1.5 m c/c	15	0.23	0.115	0.6	0.24				
	Deduction D1	2	1.2	0.23	2.1	-1.16				
	Deduction W1	2	1	0.23	1	-0.46				
	Deduction for V	0								
		2	0.6	0.23	0.6	-0.17				
						12.86	Cum	7590.45	97606.13	DSR Item No_6_4.2
9	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:3 (1 cement :3 coarse sand)									
	Partition wall of toilet	1	1.9		2.85	5.42	Sqm	932.1	5047.32	DSR Item No_6_13.2
10	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.									
11	12 mm cement plaster of mix :1:6 (1 cement: 6 fine sand) on Internal Surface									
	Internal side	1	23.26		2.85	66.29				
	Toilet Partition Walls	2	1.9		2.85	10.83				
						5.42	Sqm	80.1	433.74	DSR Item No_6_15




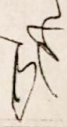



S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
	Deduction D1	3	1.2		2.1	-7.56				
	Deduction W	2	1		1	-2.00				
	Deduction for V	2	0.6		0.6	-0.72				
	- wall Tiles									
12	15 mm cement plaster on the rough side of single or half brick wall of mix :					66.84	Sqm	254.25	16994.32	DSR Item No_13.1.2
	External side	1	19.42		2.85	55.35				
	Parapet wall	2	21.82	0.6		26.18				
	Deduction D1	1	1.2		2.1	-2.52				
	Deduction W1	2	1		1	-2.00				
	Deduction for V	2	0.6		0.6	-0.72				
13	6 mm cement plaster of mix : Ceiling Plaster					76.29	Sqm	292.85	22341.82	DSR Item No_13.2.2
	1:3 (1 cement : 3 fine sand)									
	Roof Slab	1	6.25	3		17.75				
14	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					17.75	Sqm	227.35	4035.46	DSR Item No_13.16.1
	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 water thinnable priming coat with cement primer					160.8	Sqm	115.15	18525.56	DSR Item No_13.80
15	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)					84.59	Sqm	153.45	12980.49	DSR Item No_13.41.1
16						76.29	Sqm	164.7	12565.13	DSR Item No_13.46.1

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S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
17	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 @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete Admin Block Lobby	1 1	3.8 1.34	2.84 1.915		10.79 2.57				
18	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 600x600 mm Admin Block Lobby Deduction of D1 Deduction of D2	1 1 3 2	13.28 6.51 1.2 0.75					1500.5 5	20044.50	DSR Item No. 11.41.2
19	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 @ 3.3kg/sqm including pointing the joints with white cement and matching pigment etc., complete. Male Toilet	1	1.5	1.1		1.65	Sqm	1545.8 5	2270.85	DSR Item No. 11.46.2

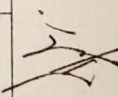




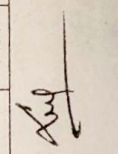




S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
	Female Toilet	1	1.5	1.1		1.65				
20	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers 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.					3.30	Sqm	926.9	3058.77	DSR Item No. 11.37
	Male Toilet	1	3.7		2.1	7.77				
	Female Toilet	1	3.7		2.1	7.77				
	Deduction of D2	2	0.75		2.1	-3.15				
						12.39	Sqm	927.9	11496.68	DSR Item No. 11.37A
21	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately).									
	Powder coated aluminium (minimum thickness of powder coating 50 micron)	2				14.88				
	For D1(1.2x2.1)	2				14.4				
	For W1 (1x1)									



 Mr. S/A



 Mr. S/A

S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
22	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)					29.28	Kg	456.3	13360.46	DSR Item No_21.1.1.2
23	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminium doors, windows shutters and partition frames with C. P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-charge. Pre-laminated particle board with decorative lamination on both sides For D1(1.2x2.1)	2	1.2		2.1	5.04	Sqm	1046.9	5276.38	DSR Item No_21.2.2
24	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per architectural drawings and the directions of Engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item)									
25	For W1 (1x1) Providing and fixing curtain rods of 125 mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C. P. brass screws and wooden plugs, etc., wherever necessary complete	2	1		1	2.00	Sqm	1296.4	2592.80	DSR Item No_21.3.2
26	12 mm dia Providing & Fixing PVC Strip curtain as approved by Engineer in charge					2.4	RM	272.8	654.72	DSR Item No_9.46.1
27	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete					2	SQM	1500	3000.00	NSI
						1	each	359.00	359.00	DSR_item no_21.13

450.55

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S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
28	Providing and fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete. Powder coated minimum thickness 50 micron aluminium					50	each	71.55	3577.50	DSR_item no_21.15 DSR_item no_21.15.2
29	25 mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762 mm X 25 mm or less as per requirement with an average wall thickness of 1 mm (± 0.3 mm). PVC foam end cap of size 23x10 mm are provided on both vertical edges to ensure the overall thickness of 25 mm. M.S. tube having dimensions 19 mm x 19 mm and 1.0 mm (± 0.1 mm) is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25 mm X 11 mm. Door shutter shall be reinforced with special polymeric reinforcements as per manufacturer's specification and direction of Engineer-in-charge to take up necessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places					3.15	Sqm	2582.3	8134.25	DSR_item no_9.118.3
30	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in-Charge.					9.9	RM	391.65	3877.34	DSR_item no_9.119

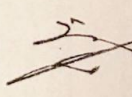
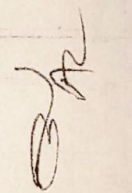

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S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
31	<p>Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying (a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. (b) laying second layer of Fibre glass cloth when the first layer is still green Overlaps of joints of fibre cloth should not be less than 10 cm (c) third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into groove in parapet all around (d) fourth and final layer of brick tiling with cement mortar (which will be paid for separately. For the purpose of measurement the entire treated surface will be measured.</p>	1	7.01	3.9	1.11	27.34	SQM	523.05	14299.66	DSR_item no_22.6
						1.08	sq	6924.65		
							Total		627479.49	
	Water Supply and Sanitation work									
31	<p>Providing and fixing unplasticised Rigid PVC soil and waste pipes conforming to IS : 13592 Type B including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. Single socketed pipes for working pressure of 4 kg/sqcm.</p>					5	RM	150	750.00	NSI
	75 mm diameter					5	RM	200	1000.00	NSI
	110 mm diameter									
32	<p>Providing and fixing unplasticised PVC moulded fittings/ accessories for unplasticised Rigid PVC soil and waste pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.</p>									
	Bend 87.50 with door									
	75 mm diameter					2	Each	120	240.00	NSI
	110 mm diameter					2	Each	180	360.00	NSI

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 Foot wall preparation in
 roof water proofing in
 22.1.11
 cases in T.M.C. A
 T.M.S.T.
 27.24 x 10.04
 1.08 sq

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S. N	Item Description.	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
33	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.									DSR_item no_17.2
34	W.C. pan with ISI marked white solid plastic seat and lid					2	Nos	5260.95	10521.90	DSR_item no_17.2.1
35	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.									DSR_item no_17.7
36	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps					1	Nos	3087.70	3087.70	DSR_item no_17.7.1
37	Providing and fixing on wall face Unplasticised Rigid PVC Single socketed pipes rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion, 110 mm diameter					10	RM	253.00	2530.00	NSI
38	Constructing masonry Chamber 60x60x75 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2.4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate, 20mm nominal size) ; i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design									DSR_item no_18.33
	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5					2	Each	9288.40	18576.80	DSR_item no_18.33.1

Subwork 6: Construction of Dry Waste Shed



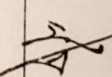
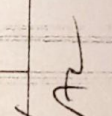
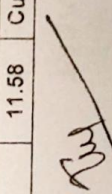
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25x10

S. N	Item Description	No	Length h	Breadth h	Height	Qty	Unit	Rate	Amount	Item Reference
1	Civil Work Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	12	1.4	1.4	1.95	45.86				
	Upto 1.5 meter depth									
	For column foundation (250x300)	1	54.12	0.43	0.25	5.82				
	For PCC of Plinth Beam	1	77.04	0.96	0.4	29.58				
	Side Drain						Cum	252.3	20503.23	DSR Item No_2.8.1
2	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in-Charge.	1	25	10		250.00	Sqm	92.55	23137.50	DSR Item No_2.1.1
3	150 mm THK Well compacted stone soling voids should be filled and compacted with stone chipping and sand filling 60-90 mm stone size	1	25	10	0.15	37.50		1843.00	13,259.75	
	For Grade Slab	1	5	3	0.15	2.25		1873.00	74451.75	UNIT ESTIMATE
	For Entrance					39.75	Cum	0		
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand (zone-III); 6 graded stone aggregate 40 mm nominal size).	12	1.4	1.4	0.975	1.76				
	in column foundation									

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S. N	Item Description	No	Length h	Breadth h	Height	Qty	Unit	Rate	Amount	Item Reference
	Below plinth beam	1	60.6	0.43	0.075	1.95				
	Plinth Protection	1	75.84	1	0.1	7.58				
	For Side Drain	1	77.04	0.96	0.075	5.55				
	For Entrance	1	5	3	0.1	1.50				
	For Flooring over soiling	1	25	10	0.075	18.75				
						37.10	Cum	6126.25	227279.16	DSR Item No_4.1.6
3	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate	1	25	10		250.00	Sqm	498.35	124587.50	DSR Item No_11.3.1
4	Providing and fixing glass strips in joints of terrazo/ cement concrete floors 40 mm wide and 4 mm thick Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note - Cement content considered in this item is @ 330 kg/cum. *Excess/ less cement used as per design mix is payable/recoverable separately).					1458.00	RM	75.15	109568.70	DSR Item No_11.13.1
5										
	All works upto plinth level									
	Column foundation	12	1.2	1.2	0.35	6.05				
	Column 250x300	12	0.25	0.3	1.5	1.35				
	Plinth beam	1	60.6	0.23	0.3	4.18				
						11.58	Cum	7997.3	92603.94	DSR Item

S. N	Item Description	No	Length h	Breadth h	Height	Qty	Unit	Rate	Amount	Item Reference No_5.33.1
	All works above plinth level upto floor V level									
	Column (250x300) above plinth	12	0.25	0.3	6	5.40				
	Column (230x230) above plinth Stool Column	3	0.23	0.23	3	0.48				
	Band Lintel	1	70.92	0.23	0.23	3.75				
	Tie Beam	1	96	0.25	0.3	7.20				
	Chajja for Rolling shutter	1	5	0.75	0.15	0.56				
6	Centering and shuttering including strutting, propping etc. and removal of form work for Foundations, footings, bases for columns sides of foundation	12	4.8		0.35	20.16	sqm	284.85	5742.58	DSR Item No_5.9.1
	Columns, piers, abutments, pillars, posts and struts Sides of column above foundation									
	Columns (250x300)	12	1.1		7.5	99				
	Column (230x230) above plinth Stool Column	3	0.92		3	8.28				
	Lintels, beams, plinth beams, girders, bressumers and cantilevers									
	Sides of Plinth Beam	1	60.6		0.6	36.36				
	Sides of band lintel	1	70.9		0.7	48.93				
	Sides of tie beam	1	96.0		0.9	81.60				
		0								
	Weather shade, Chajjas, corbels etc., including edges					166.89	sqm	552.05	92134.27	DSR Item No_5.9.5

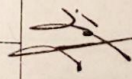
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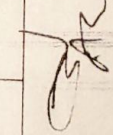


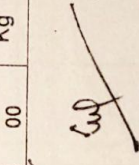
S. No	Item Description	No	Length h	Breadth h	Height	Qty	Unit	Rate	Amount	Item Reference
7	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level and above. Thermo-Mechanically Treated bars of grade Fe-500D or more.	1	5	0.75		3.75	Sqm	766.75	2875.31	DSR Item No_5.9.19
	Consider 1.5 % of Total volume					3411.18	Kg	83.5	284833.40	DSR Item No_5.22.6
	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:									
	Wall-1 of Outer Drain	1	56.58	0.23	0.3	3.90				
	Wall-2 of Outer Drain	1	54.92	0.23	0.15	1.89				
						5.80	Cum	6376.25	36974.34	DSR Item No_6.1.1
8	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level									
	Cement mortar 1:6 (1 cement : 6 coarse sand)									
	Center line	1	70.92	0.23	3	48.93				
	Deduction for Rolling shutter	1	5	0.23	3	-3.45				
9	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand) on Internal Surface									
	Internal side	1	70		3	210.00				
	Deduct rolling shutter opening	1	5		3	-15.00				
						195.00	Sqm	254.25	49578.75	DSR Item No_13.1.2
10	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand) in drain									
	wall -1	1	56.58		0.53	29.99				

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
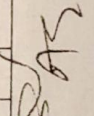

S. N	Item Description	No	Lengt h	Breadt h	Height	Qty	Unit	Rate	Amount	Item Reference
	wall-2	1	54.92		0.53	29.11				
	Bottom	1	55.52	0.3		16.66				
11	20 mm cement plaster of mix 1:4 (1 cement: 4 fine sand) on External Surface					75.75	Sqm	266.85	20214.15	DSR Item No_13.1.1
	External side	1	71.84		3	215.52				
	Deduct rolling shutter opening	1	5		3	-15.00				
						200.52	Sqm	365.25	73239.93	DSR Item No_13.3.1
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					395.52	Sqm	115.15	45544.13	DSR Item No_13.80
13	Finishing walls with water proofing cement paint of required shade .New work (Two or more coats applied @ 3.84 kg/10 sqm)					200.52	Sqm	91.25	18297.45	DSR Item No_13.44.1
14	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 water thinnable priming coat with cement primer					195.00	Sqm	153.45	29922.75	DSR Item No_13.41.1
15	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete					11957.00	Kg	101.75	1216624.75	DSR Item No- 10.2





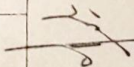
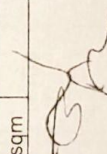
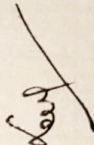


S. No	Item Description	No	Length h	Breadth h	Height	Qty	Unit	Rate	Amount	Item Reference
16	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS. 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.					305.00	Sqm	627.55	191402.75	DSR Item No- 12.50
17	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade. New work (two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat. preparation of surface, etc. complete. On steel work					305.00	Sqm	138	42090.00	DSR Item No- 13.53.1
18	Providing and Fixing Polypropylene sheet as per drawing & technical specification (1.2m x 4.8m) above bend lintel Providing and fixing 15 cm wide, 45 cm overall semi-circular plain G.S. sheet gutter with iron brackets 40x3mm size, bolts, nuts and washers etc., including making necessary connections with rain water pipes complete. 0.80 mm thick with zinc coating not less than 275	1	71.84		4.8	398.57	Sqm	189.75	75628.03	DSR Item No- 13.52.1
19						344.83	Sqm	600	206899.20	NSI
20						51.20	RM	765	39168.00	DSR Item No-

Qty Calculation for Closed Shed (25x10)

Size of shed	10	x	25	m			
No of trusses	6	Nos					
No of Bays	5	Nos					
length of bay/ purlin	5	m					
No. of purlins	12	Nos					
Width of building/ Width of truss	10	m					
No of columns per bay	2	Nos					
Length of top chord / sag rod	12.2	m					
Steel quantities of Trusses							
Description	Units	Nos.	Length	m	Total	Weight per meter 'kg/m'	Total
					length		weight 'kgs'
Tap & bottom chord (2 L 75X75X8 @17.8kg/m)	kg	6	24		144	17.8	2563.2
Chord members (2L 50X50X6 @ 9Kg/m)	kg	6	23		138	9	1242
purlins (MC 150 @ 16.8Kg/m)	kg	60	5		300	16.8	5040
The members (MC 150 @ 16.8Kg/m)	kg	28	5		140	16.8	2352
sag rod (12 dia @0.89kg/m)	kg	5	12.2		61	0.89	54.29
Cap plate (300x300x16thk@ 11.3kg/No)	kg	12	Nos			11.3	135.6
						Total weight of truss =	11957
Area of GI roof sheet cover	305	sqm					

Subwork 7: Construction of Windrow Platform

S.N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
	Size=		14	10						
1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in-Charge.	1	14	10.00	0.3	42.00	Sqm	92.55	3887.10	DSR Item No_2_1.1
2	200 mm THK Well compacted stone soling voids should be filled and compacted with stone chipping and sand filling 60-90 mm stone size	1	14	10.00	0.2	28.00	Cum	1873.00	52444.00	Unit Estimate
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level. 1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 40 mm nominal size)	1	14	10.00	0.1	14.00	Cum	6126.25	85767.50	DSR Item No_4_1.6
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level. 1:2.4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	1	14	10.00	0.2	28.00	Sqm	6788.6	190080.80	DSR Item No_4_1.3
5	Providing and laying in position bitumen hot sealing compound for expansion joints etc. Using grade 'A' sealing compound.					90.00	per cm depth per cm width per m length	16.5	1485.00	DSR Item No_16_46.1
							Total		333664.40	

332824.00
 31-11-23
 MS1-14-011

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 Date

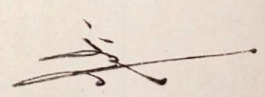
Subwork 8: Construction of Leachate Tank

S. No	Item Description	No	Length h	Breadth h	Height/Dept h	Qty	Unit	Rate	Amount	Item Reference
	Size		1.5	1.5	1.5					
	Wall thick		0.2							
1	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 Upto 1.5 meter depth	1	2.5	2.5	1.5	9.375	Cum	181.85	1704.844	DSR_Item No_2.6.1
2	Beyond 1.5 meter upto 3.0 meter	1	2.5	2.5	0.3	1.875	Cum	271.89	509.7938	DSR_Item No_2.6.1 +2.26.1
3	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 (zone-III) : 8 graded stone aggregate 40 mm nominal size)	1	2.5	2.5	0.1	0.625	Cum	5789.6	3618.5	DSR_Item No_4.1.8
4	Providing and laying in position machine batched and machine mixed design mix M-30 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge									
	Bottom of tank	1	2.3	2.3	0.2	1.058				
	Wall-1	2	1.7	0.2	1.5	0.51				
	Wall-2	2	1.7	0.2	1.5	0.51				

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S. N	Item Description	No	Length	Breadth	Height/Dept	Qty	Unit	Rate	Amount	Item Reference
5	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level and above.					2.078	Cum	9470.6	19679.91	DSR Item No_5.33.2 + 5.34.1
	Thermo-Mechanically Treated bars of grade Fe-500D or more									
	Consider 1.5 % of Total volume					245	Kg	83.5	20431.16	DSR Item No_5.22.6
6	Centering and shuttering including strutting, propping etc. and removal of form for all heights. Foundations, footings, bases of columns, etc. for mass concrete									
	Sides of Foundation	2	4.6		0.2	1.84	Sqm	284.85	524.124	DSR Item No_5.9.1
7	Centering and shuttering including strutting, propping etc. and removal of form for all heights. Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.									
	Wall-1	4	1.7		1.5	10.2				
	Wall-2	4	1.7		1.5	10.2				
						20.4	Sqm	609.3	12429.72	DSR Item No_5.9.2
							Total		58898.04	


 SI - Rs 0.59 per
 NSI -

Subwork 9: Construction of Septic Tank

Quantity Calculation of Septic Tank for 20 Users

Description	L	B	H	Wall Thick
Internal size of Main chamber	2.3	1.1	1.8	0.23
Cleaning Chamber	0.9	0.9	1.8	0.23

S.N	Particulars of items	No	Length	Breadth	Height/Depth	Qty	Unit	Rate	Amount	Item Reference
1	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									
	Main chamber	1	3.96	2.76	2	21.86				
	Cleaning chamber	1	1.36	1.13	2	3.07				
	Disposal of excavated					24.93	cum	181.85	4534.03	DSR item 2.6.1
	Main chamber	1	2.76	1.56	2	8.61				
	Cleaning chamber	1	1.36	1.13	2	3.07				
						11.68	cum			
3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m									
						13.25	cum	219.65	2909.92	DSR item 2.25
4	Providing and laying in position cement concrete of 1:2:4 (1Cement: 2 course and sand (zone-III): 4 graded stone aggregate 20 mm nominal size) excluding the cost of centring shuttering-All work up to plinth level									

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S.N	Particulars of items	No	Length	Breadth	Height/Depth	Qty	Unit	Rate	Amount	Item Reference
	Main chamber	1	2.76	1.56	0.2	0.85				
	Cleaning chamber	1	1.36	1.13	0.2	0.31				
						1.17	cum	6788.6	7932.34	DSR_item no_4.1.3
5	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)									
	wall-1 of Main chamber c/c	2	2.53	0.23	1.8	2.09				
	wall-2 of Main chamber c/c	2	1.33	0.23	1.8	1.10				
	wall-1 of cleaning chamber c/c	2	1.015	0.23	1.8	0.84				
	wall-2 of cleaning chamber c/c	1	1.36	0.23	1.8	0.56				
						4.60	cum	6157.45	28321.44	DSR_item no_6.1.2
6	12 mm thick Inside & Outside Plaster CM (1:4)									
						40.00	SQM	266.85	10672.93	DSR_item no_13.1.1
7	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III); 3 graded stone aggregate 20 mm nominal size).									
	Baffle Wall -1	1	1.4	0.04	0.3	0.02				
	Baffle Wall -2	1	1.4	0.04	1.26	0.07				
	Top slab	1	2.76	1.56	0.15	0.65				
	Deduction for Manhole cover	2	0.6	0.6	0.15	-0.11				
						0.63	cum	7718.25	4825.45	DSR_item no_5.1.2

(Handwritten signatures and initials)

S.N	Particulars of items	No	Length	Breadth	Height/Depth	Qty	Unit	Rate	Amount	Item Reference
8	Steel reinforcement for RCC works including straining, cutting, bending, placing in position and binding all complete thermo mechanically treated bars of grade fe-500D or more					62.52	KG	83.5	5220.42	DSR_item no_5.22.6
9	Centering and shuttering including strutting, propping etc. and removal of form work for Retaining walls return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc	2	1.4		0.3	0.84				
	Baffle Wall -1	2	1.4		1.26	3.53				
	Baffle Wall -2	1	2.76	1.56		4.31				
	Top slab	2	0.6	0.6		-0.72				
	Deduction for Manhole cover					7.95	SQM	609.3	4846.13	DSR_item no_4.3.2
10	Plastic encapsulated M.S. foot rest 30x20x15 cm					20.00	Nos	110	2200	DSR_subhead 19.0_7354
11	Manhole cover 600x600					2.00	Nos	933.3	1866.67	NSI
12	Manhole cover 900x900					1.00	Nos	2100	2100	NSI
Total of DSR Items									71462.66	
Total of NSI									3966.67	

SI - Rs 0.71 lacs

NSI - ~~Rs~~ 0.104 lacs