



S. No	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
25	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.									
26	80x0.90 mm M.S. laths with 0.90 mm thick top cover					30	Sqm	2654.25	79627.50	DSR Item No-10.6.3
27	Providing and fixing ball bearing for rolling shutters					2	each	419.85	839.70	DSR Item No-10.7
		Total of DSR items							10661056.74	10,65,63,3134
		Total of NSI items							79200.00	

SI-PS 1065669
 2511 07960

Stone Soling										
S.N	Item Description	No	Qty	Unit	Rate	Amount	Item Reference			
	Details of cost 3 m X6 m. and 150 mm thick area									
1	Stone Boulder 50 mm to 200 mm	1	2.7	Cum	850	2295.00	DSR 18 7753			
2	Gravel 5 mm to 10 mm to fill voids	1	0.54	Cum	850	459.00	DSR 18 7754			
3	Sand Filling	1	0.27	Cum	1953.05	527.32	DSR 18 2.27			
4	Beldar to spread boulder & Gravel	1	2	Day	558	1116.00	DSR 18 0114			
				Total		4397.32				
	Add 15% CPOH			15%		659.60				
				Total		5056.92				

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					Total per Cum	1873.00
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Qty Calculation of Truss of Closed Shed(34x30)							
Size of shed	34	x	30	m			
No of trusses	7	Nos					
No of Bays	6	Nos					
length of bay/ purlin	5.667	m					
No. of purlins	28	Nos					
Width of building/ Width of truss	30	m					
No of columns per bay	3	Nos		(with intermediate column)			
Length of top chord / sag rod	32.07	m					
No. of sag rod	23	Nos.					
Steel quantities of Trusses							
Sl. No.	Description	Units	Nos.	Length m	Total length m	Weight per meter 'kg/m'	Total weight ' kgs'
1	Top & bottom chord (2 L 100X100X8 @24.2kg/m)	kg	7	63.57	444.99	24.2	10768.76
2	Chord members (2L 60X60X6 @ 10.8Kg/m)	kg	7	80.25	561.75	10.8	6066.9
3	purlins (MC 150 @ 16.8Kg/m)	kg	28	34.002	952.056	16.8	15994.54
4	Tie members (MC 150 @ 16.8Kg/m)	kg	12	34.002	408.024	16.8	6854.803
5	Girts (MC 150 @ 16.8Kg/m)	kg	3	130	390	16.8	6552
6	sag rod (12 dia @0.89kg/m)	kg	23	32.07	737.61	0.89	656.4729
7	Cap plate (300x300x16thk@ 11.3kg/No)	kg	21	Nos		11.3	237.3
	Area of GI roof sheet cover		1090.38	sqm			Total weight of truss =
							49488

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Subwork 20: Construction of Windrow Platform 1800 sq.m at Processing Site

S.N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
	Size=		60	30						
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	60	30.00	0.3	540.00	Sqm	92.55 1023	49977.00	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	60	30.00	0.2	360.00	Cum	1873.00	674280.00	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	60	30.00	0.1	180.00	Cum	6126.25	1102725.00	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	60	30	0.2	360.00	Sqm	6788.6	2443896.00	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		4272363.00	4261563.00

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7x5x2.5 m
672

Subwork 21: Construction of Leachate Tank at Processing Site

S. N	Item Description	No	Lengt h	Breadt h	Height/Dep th	Qty	Unit	Rate	Amount	Item Reference
	Size		7	5	2.5					
	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	8	6	2.5	120	Cu m	181.85	21822	DSR_Item No_2,6.1
2	Beyond 1.5 meter upto 3.0 meter	1	8	6	0.3	14.4	Cu m	271.89	3915.216	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	8	6	0.1	4.8	Cu m	5789.6	27790.08	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	7.8	5.8	0.2	9.048				
	Wall-1	2	7.2	0.2	2.5	3.6				
	Wall-2	2	5.2	0.2	2.5	2.6				

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S. N	Item Description	No	Length	Breadth	Height/Depth	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.					15.248	Cu m	9470.6	144407.7088	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					1795	Kg	83.5	149920.24	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	13.6		0.2	5.44	Sqm	284.85	1549.584	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	7.2		2.5	72				
	Wall-2	4	7.2		2.5	72				
						144	Sqm	609.3	87739.2	DSR Item No_5.9.2
							Total		437144.0308	

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SI - B 4.37 was
NSI - B - Nil -

Subwork 22: Construction of Approach Road at Processing Site

S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	MORD	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	50	4.5	0.1	22.5	cu m	1818.8	40923	MORD	Block 33 Doiwala_item No_ 4-7-1-B
		1	50	4.5	0.1	22.5	cu m	1897.6	42696	MORD	Block 33 Doiwala_item No_ 4-7-2-B
2	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	50	4.5	0.1	22.5	cu m	4445.8	100030.5	MORD	Block 33 Doiwala Item No_ 11-4-1-1

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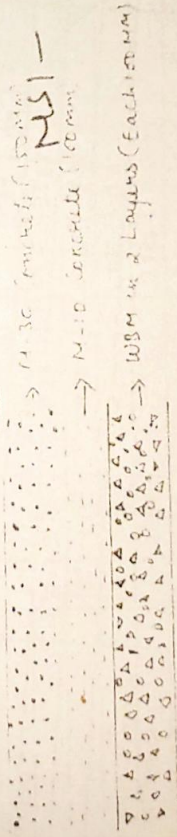
S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
3	Construction of Un-reinforced, Cement concrete pavement, thickness as per design, over a prepared sub base with 43 grade cement or any other type PCC Grade M-30, coarse and fine aggregates conforming to IS: 383, maximum 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	50	4.5	0.15	33.75	cu m	5,375.40	181419.75	Misc Block 33 Doiwala Item No_ 2-3

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S. N	Item Description	No	Lengt h	Breadt h	Heigh t	Qty	Uni t	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 Using Concrete Mixer	2	50			100	Rm	537.8	53780	Morth Block 33 Doiwala Item No_ 8-2-A
									418,849.25	
TOTAL										

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*(sold) 396614,75
51-3.97 laes
MSI - Nil*



TYPICAL CROSS SECTION OF ROAD

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Subwork 23: Construction of Store Room at Processing Site

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.									
1.1	Upto 1.5 meter depth	9	1.2	1.2	1.1	14.26				
1.2	For column foundation	1	36.98	0.38	0.35	4.92		252.3	4837.69	DSR Item No. 2.8.1
1.3	For Plinth Beam					19.17	Cu m			
	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).									
2		9	1.2	1.2	0.1	1.30				
2.1	in column foundation	1	38.85	0.38	0.1	1.48				
2.2	Below plinth beam	1	1.8	1.5	0.15	0.41		6126.25	19464.93	DSR Item No. 4.1.6
2.3	Main Entrance					3.18	Cu m			

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S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
3	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced 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).									
3.1	All works upto plinth level									
3.1.1	Column foundation	9	1	1	0.35	3.15				
3.1.2	Column above foundation	9	0.23	0.23	0.65	0.31				
3.1.3	Plinth beam	1	38.85	0.23	0.3	2.68				
						6.14	Cum	7997.3	49104.34	DSR Item No. 5.33.1
3.2	All works above plinth level upto floor V level									
	Column above plinth	9	0.23	0.23	3.5	1.67				
	Roof Beam in Y direction	3	10.0	0.23	0.3	2.07				
	Roof Beam in X direction	2	10.2	0.23	0.3	1.41				
	Roof Slab	1	11.06	11.06	0.125	15.29				
	Lintel for D1	1	2.1	0.23	0.23	0.11				
	Lintel for W1	8	1.8	0.23	0.23	0.76				
	Chajja over W1	8	1.8	0.45	0.1275	1.93				
	Chajja over D1	1	2.1	0.6	0.1275	0.16				
						23.40	Cum	9400.85	219978.39	DSR Item No. 5.33.2

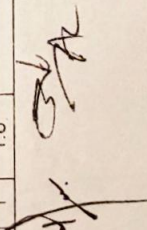
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S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
4	Centering and shuttering including strutting, propping etc. and removal of form work for:									
4.1	Foundations, footings, bases for columns									
	sides of foundation	9	4		0.35	12.6	sqm	284.85	3589.11	DSR Item No_5.9.1
4.2	Columns, piers, abutments, pillars, posts and struts									
	Sides of column above foundation upto floor two level	9	0.92		4.15	34.362				
4.3	Lintels, beams, plinth beams, girders, bressumers and cantilevers									
	Sides of Plinth Beam	10	38.9		0.6	23.31				
	Roof Beam in Y direction	30	10.0		0.8	24.90				
	Roof Beam in X direction	20	10.2		0.8	16.98				
	Lintel for D1	10	2.1		0.7	1.45				
	Lintel for W1	80	1.8		0.7	9.94				
4.4	Suspended floors, roofs, landings, balconies and access platform									
	Roof Slab	1	11.06	11.06		122.32				
						122.32	Sq m	693.05	84776.37	DSR Item No_5.9.3
4.5	Weather shade, Chajjas, corbels etc., including edges									
	Chajja over W1	8	1.8	0.45		6.48				
	Chajja over D1	1	2.1	0.6		1.26				
						7.74	Sq m	766.75	5934.65	DSR Item No_5.9.19

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S. N	Item Description	No	Length	Breadth	Height	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.									
	Thermo-Mechanically Treated bars of grade Fe-500D or more.					3840.19	Kg	83.5	320656.21	DSR Item No_5.22.6
6	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in:									
	Cement mortar 1:6 (1 cement : 6 coarse sand)									
	Center line for Ground floor	1	40.92	0.23	3.2	30.12				
	Deduction for D1	10	1.8	0.23	2.1	-0.87				
	Deduction for W1	80	1.5	0.23	1.2	-3.31				
						25.94	Cum	7590.45	196863.79	DSR Item No_6.4.2
7	20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) on External Surface									
	Exterior wall	1	41.84		3.5	146.44				
	Deduction for D1	10	1.8		2.1	-3.78				
	Deduction for W1	80	1.5		2.1	-25.20				
						117.46	Sq m	365.25	42902.27	DSR Item No_13.3.1
8	12 mm cement plaster of mix :1:6 (1 cement: 6 fine sand) internal surface									
	Center line	1	40		3.2	128				
	Deduction for D1	1	1.8		2.1	-3.78				





S. No	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
	Deduction for W1	8	1.5		1.2	-14.40				
9	6 mm cement plaster of mix : Ceiling Plaster 1:3 (1 cement : 3 fine sand)					109.82	Sq m	254.25	27921.74	DSR Item No_13.1.2
	Roof Slab	1	10	10		100.00				
10	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete. 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					327.28	Sq m	196.7	64375.98	DSR Item No_13.26
11	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)					209.82	Sq m	153.45	32196.88	DSR Item No_13.41.1
12	Flooring 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					117.46	Sq m	164.7	19345.66	DSR Item No_13.46.1
13	STORE ROOM	1	10	10	0.15	15.00				
						15.00	Sq m	498.35	7475.25	DSR Item No_11.3.1

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S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
14	<p>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) :</p> <p>Powder coated aluminium (minimum thickness of powder coating 50 micron)</p> <p>For D (1800x2100)</p> <p>For W (1500x1200)</p>	1 0 8 0				9.36 51.84 61.2			27925.56	DSR Item No. 21.1.1.2
15	<p>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)</p>									
16	<p>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-</p>					30.6	Kg	546.3 5	16718.31	DSR Item No. 21.1.2.2

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S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
17	Pre-laminated particle board with decorative lamination on both sides	1.0	1.0		1.1	1.05	Sq m	1046.9	1099.25	DSR Item No_21.2.2
18	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item).	1.0	1.8		1.1	1.89				
	With float glass panes of 5.50 mm thickness	8.0	1.5		1.2	14.4				
	For D (1800x2100)					16.29	Sq m	1296.4	21118.36	DSR Item No_21.3.2
	For W (1500x1200)									
19	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.									
	Fixed to openings / wooden frames with rawl plugs screws etc.									
20	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.									
21	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					100	eac h	71.55	7155.00	DSR_item no_21.15.2

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S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
22	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 12.43
23	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.					118.32	SQ/M	523.05	61889.16	DSR_item no-226
									1333935.24	1243080.49
									2530.00	

Quantity of material
 provided for water proofing
 treatment on roof
 118.32 sqm
 4.73 m
 110.32 x 0.4 m

24

SI - RS 12.43 GRS
 NSI - 12.43

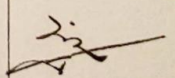


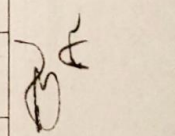
Subwork 24: Construction of Security Cabin at Processing Site

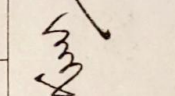
S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
1	Civil Work Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming 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.									
1.1	Upto 1.5 meter depth	4	1.2	1.2	1.1	6.34				
1.2	For column foundation	1	9.12	0.38	0.35	1.21				
1.3	For Plinth Beam					7.55	Cu m	252.3	1904.60	DSR Item No. 2.8.1
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).									
2.1	in column foundation	4	1.2	1.2	0.1	0.58				
2.2	Below plinth beam	1	13	0.38	0.1	0.49				
	Main Entrance	1	1.8	1.5	0.15	0.41				
						1.48	Cu m	6126.25	9036.22	DSR Item No. 4.1.6

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S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
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)									
3.1	All works upto plinth level									
3.1.1	Column foundation	4	1	1	0.35	1.40				
3.1.2	Column above foundation	4	0.23	0.23	0.65	0.14				
3.1.3	Plinth beam	1	13	0.23	0.3	0.90				
3.2	All works above plinth level upto floor V level									
	Column above plinth	4	0.23	0.23	3.5	0.74				
	Roof Beam in Y direction	2	3.5	0.23	0.3	0.48				
	Roof Beam in X direction	2	3.2	0.23	0.3	0.45				
	Roof Slab	1	4.06	4.56	0.125	2.31				
	Lintel for D1	1	1.3	0.23	0.23	0.07				
	Lintel for W1	1	2.1	0.23	0.23	0.11				
	Chajja over W1	1	2.1	0.45	0.1275	1.93				
	Chajja over D1	1	1.3	0.6	0.1275	0.10				
						6.19	Cum	9400.85	58197.37	DSR Item No. 5.33.2





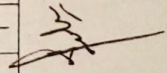
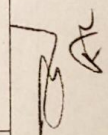
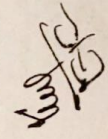


S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
4	Centering and shuttering including strutting, propping etc. and removal of form work for :									
4.1	Foundations, footings, bases for columns	4	4		0.35	5.6	sqm	284.85	1595.16	DSR Item No_5.9.1
	sides of foundation									
4.2	Columns, piers, abutments, pillars, posts and struts									
	Sides of column above foundation upto floor two level	4	0.92		4.15	15.272				
						15.272	sqm	733.7	11205.07	DSR Item No_5.9.6
4.3	Lintels, beams, plinth beams, girders, bressumers and cantilevers									
	Sides of Plinth Beam	10	13.0		0.6	7.80				
	Roof Beam in Y direction	20	3.5		0.8	5.81				
	Roof Beam in X direction	20	3.2		0.8	5.36				
	Lintel for D1	10	1.3		0.7	0.90				
	Lintel for W1	10	2.1		0.7	1.45				
						21.32	sqm	552.05	11768.49	DSR Item No_5.9.5
4.4	Suspended floors, roofs, landings, balconies and access platform									
	Roof Slab	1	4.06	4.56		18.51				
						18.51	Sqm	693.05	12830.85	DSR Item No_5.9.3
4.5	Weather shade, Chajjas, corbels etc., including edges									
	Chajja over W1	1	2.1	0.45		0.95				
	Chajja over D1	1	1.3	0.6		0.78				
						1.73	Sqm	766.75	1322.64	DSR Item No_5.9.19

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S. N	Item Description	No	Length	Breadth	Height	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.									
	Thermo-Mechanically Treated bars of grade Fe-500D or more.					1121.27	Kg	83.5	93626.44	DSR Item No_5.22.6
6	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in:									
	Cement mortar 1:6 (1 cement : 6 coarse sand)									
	Center line for Ground floor	1	13.92	0.23	3.2	10.25				
	Deduction for D1	0	1.0	0.2	2.1	-0.48				
	Deduction for W1	0	1.8	0.2	1.2	-0.50				
7	20 mm cement plaster of mix 1:4 (1 cement: 4 fine sand) on External Surface									
	Exterior wall	1	14.84		3.5	51.94				
	Deduction for D1	0	1.0		2.1	-2.10				
	Deduction for W1	0	1.8		2.1	-3.78				
8	12 mm cement plaster of mix 1:6 (1 cement: 6 fine sand) internal surface									
	Center line	1	13		3.2	41.6				
	Deduction for D1	1	1		2.1	-2.10				
	Deduction for W1	1	1.8		1.2	-2.16				
						46.06	Sq m	365.25	16823.42	DSR Item No_13.3.1



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S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
9	6 mm cement plaster of mix : Ceiling Plaster 1:3 (1 cement : 3 fine sand)	1	3	3.5		37.34	Sq m	254.25	9493.70	DSR Item No_13.1.2
10	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete. 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					93.90	Sq m	196.73	18470.13	DSR Item No_13.26
11	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)					47.84	Sq m	153.45	7341.05	DSR Item No_13.41.1
12						46.06	Sq m	164.7	7586.08	DSR Item No_13.46.1
13	<u>Flooring</u> 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	3	3.5	0.15	1.58	Sq m	498.35	784.90	DSR Item No_11.3.1
	SECURITY CABIN					1.58	Sq m			

19812.58
113.80

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S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
14	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)	10				7.44				
	For D (1000x2100)	10				7.2				
	For W (1800x1200)	0				14.64	Kg	456.3	6680.23	DSR Item No 21.1.1.2
15	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)									
	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-					7.32	Kg	546.35	3999.28	DSR Item No 21.1.2.2

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S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
17	Pre-laminated particle board with decorative lamination on both sides	1.0	1.0		1.1	1.05	Sq m	1046.9	1099.25	DSR Item No_21.2.2
18	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item). With float glass panes of 5.50 mm thickness	1.0	1.0							
	For D (1000x2100)	1.0	1.0		1.1	1.05				
	For W (1800x1200)	1.0	1.8		1.2	2.16				
19	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc.						Sq m	1296.4	4161.44	DSR Item No_21.3.2
20	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete. Providing and fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete.						KG	183.5	1189.08	DSR Item No_9.48.2
21	Powder coated minimum thickness 50 micron aluminium						eac h	458.55	458.55	DSR_item no_21.13
							eac h	71.55	1431.00	DSR_item no_21.15.2

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S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
22	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
23	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 48 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		10	51x0.01		18.51	SQ M	523.00	9683.54	DSR_item no_22.6
									382873.36	371267.37
									2530.00	

Grounded out water proofing
 ready for water proofing
 c.c. 1:2:4
 18.51 SQ M
 0.74 cu 6924.65 = 5124.24

37

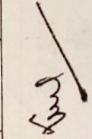
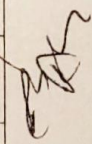
SI-R 371 lacs
 NSI - Nil
 Ave/ER

Subwork 25: Construction of Garage Shed at Processing Site

S. No	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.									
	Upto 1.5 meter depth									
	For column foundation (250x300)	10	1.4	1.4	1.95	38.22				
	For PCC of Plinth Beam	1	46.92	0.43	0.25	5.04				
	Side Drain	1	67.04	0.96	0.4	25.74				
						69.01	Cum	252.3	17410.53	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	20	10		200.00	Sqm	92.55	18510.00	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 Grade Slab	1	20	10	0.15	30.00				
	For Entrance	1	5	3	0.15	2.25				
						32.25	Cum	1873.00	60404.25	UNIT ESTIMATE
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).									
	in column foundation	10	1.4	1.4	0.075	1.47				
	Below plinth beam	1	50.75	0.43	0.075	1.64				
	Plinth Protection	1	65.84	1	0.1	6.58				

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S. N	Item Description	No	Lengt h	Breadt h	Height	Qty	Unit	Rate	Amount	Item Reference
	Below Side Drain	1	67.04	0.96	0.075	4.83				
	For Entrance	1	5	3	0.1	1.50				
	For Flooring over soiling	1	20	10	0.075	15.00				
						31.02	Cum	6126.25	190021.37	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	20	10		200.00	Sqm	498.35	99670.00	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).					1000.00	RM	75.15	75150.00	DSR Item No_11.13.1
5	All works upto plinth level	10	1.2	1.2	0.35	5.04				
	Column foundation	10	0.25	0.3	1.5	1.13				
	Column 250x300	1	50.75	0.23	0.3	3.50				
	Plinth beam					9.67	Cum	7997.3	77307.90	DSR Item No_5.33.1
	All works above plinth level upto floor V level	10	0.25	0.3	6	4.50				
	Column (250x300) above plinth									

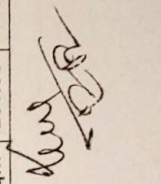
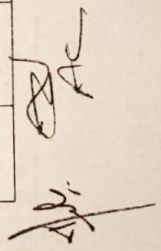






S. N	Item Description	No	Length h	Breadth h	Height	Qty	Unit	Rate	Amount	Item Reference
	Column (230x230) above plinth Stool Column	3	0.23	0.23	3	0.48				
	Band Lintel	1	60.92	0.23	0.23	3.22				
	Tie Beam	1	81	0.25	0.3	6.08				
	Chajja for Rolling shutter	1	5	0.75	0.15	0.56				
						14.84	Cum	9400.85	139473.53	DSR Item No_5.33.2
6	Centering and shuttering including strutting, propping etc. and removal of form work for									
	Foundations, footings, bases for columns sides of foundation	10	4.8		0.35	16.8	sqm	284.85	4785.48	DSR Item No_5.9.1
	Columns, piers, abutments, pillars, posts and struts									
	Sides of column above foundation	10	1.1		7.5	82.5				
	Columns (250x300)	3	0.92		3	8.28				
	Column (230x230) above plinth Stool Column					90.78	sqm	733.7	66605.29	DSR Item No_5.9.6
	Lintels, beams, plinth beams, girders, bressumers and cantilevers									
	Sides of Plinth Beam	10	50.8		0.6	30.45				
	Sides of band lintel	10	60.9		0.7	42.03				
	Sides of tie beam	10	81.0		0.9	68.85				
						141.33	sqm	552.05	78023.88	DSR Item No_5.9.5
	Weather shade, Chajjas, corbels etc., including edges	1	5	0.75		3.75	Sqm	766.75	2875.31	DSR Item No_5.9.19
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									

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S. N	Item Description	No	Lengt h	Breadt h	Height	Qty	Unit	Rate	Amount	Item Reference
	or more.					2885.2 3	Kg	83.5	240916.7 4	DSR Item No_5.22.6
	Consider 1.5 % of Total volume									
	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	46.58	0.23	0.3	3.21				
	Wall-2 of Outer Drain	1	44.92	0.23	0.15	1.55				
						4.76	Cum	6376.2 5	30374.92	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	60.92	0.23	3	42.03				
	Deduction for Rolling shutter	1	5	0.23	3	-3.45				
						38.58	Cum	7590.4 5	292876.0 0	DSR Item No_6.4.2
9	12 mm cement plaster of mix :1:6 (1 cement: 6 fine sand) on Internal Surface									
	Internal side	1	60		3	180.00				
	Deduct rolling shutter opening	1	5		3	-15.00				
						165.00	Sqm	254.25	41951.25	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	46.58		0.53	24.69				
	wall-2	1	44.92		0.53	23.81				
	Bottom	1	45.52	0.3		13.66				
						62.15	Sqm	266.85	16584.99	DSR Item No_13.1.1



S. N	Item Description	No	Length	Breadth	Height	Qty	Unit	Rate	Amount	Item Reference
11	20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) on External Surface	1	61.84		3	185.52				
	External side	1	5		3	-15.00				
	Deduct rolling shutter opening					170.52	Sqm	365.25	62282.43	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					335.52	Sqm	115.15	38635.13	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)					170.52	Sqm	91.25	15559.95	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					165.00	Sqm	153.45	25319.25	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					9668.00	Kg	101.75	983719.00	DSR Item No- 10.2

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 Mr. [Signature]
 Mr. [Signature]
 Mr. [Signature]

S. N	Item Description	N	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.					244.00	Sqm	627.55	153122.20	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					244.00	Sqm	138	33672.00	DSR Item No- 13.53.1
18	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					322.27	Sqm	189.75	61150.10	DSR Item No- 13.52.1
19	Providing and Fixing Polypropylene sheet as per drawing & technical specification (1.2m x 4.8m) above bend lintel	1	61.84		4.8	296.83	Sqm	600	178099.20	NSI
20	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.									

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