

1200 MT Wh.building & other Ancillary work

RECAP SHEET

Based On E SSR 22-23

PARTICULARS				AMOUNT	<u>1200</u> Cost per MT	
	Cap.	Unit				Cost per MT
Sub Work :-I Const. of 1200 MT WH Bldg.	1200	MT	Rs	13838234	11532	
Sub Work II :- Electrification		2.0%	Rs	276765		
Sub Work III :- Royalty Charges			Rs	228899		
Sub work IV:- Material Lab Testing charges			Rs	45590		
				14389487	11991	Cost per MT
				14400000		
			TOTAL COST			
			Say			

1200 MT Wh.building & other Ancillary work

ABSTRACT SHEET

Sub Work :-I Const. of 1200 MT WH														
I.	DESCRIPTION OF ITEM	QTY.	UNIT	LN./ P.N	BASIC RATE	LEAD CHARGES		TS & R.A.	TOTAL	Add 0 % C Area	TOTAL OF RATES	ADD % FOR CHARGE S	TOTAL OF RATES	AMOUNT
						SAND	METAL							
						HM	Bricks			Charges	6 TO 11	CHARGE S	6 TO 14	
										0.000		0.0000		
	2	3	4	5	6	7	8	10	11	12	13	14	15	16
1	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical Means	212.32	Cum	21.02/189	207.00						207.00		207.00	43,951.07
2	Excavation for foundation in earth, soils of all types, sand,gravel and soft murum, including removing the excavated material upto a distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift from 1.5m to 3.0m) By Mechanical Means	1.00	Cum	21.04/189	258.00						258.00		258.00	258.00
3	Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.50 m) By Mechanical Means	77.28	Cum	21.06/190	227.00						227.00		227.00	17,542.56
4	Excavation for foundation in Hard murum including removing the excavated material upto a distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift from 1.5 to 3.0m.) By Mechanical Means	46.37	Cum	21.08/154	284.00						284.00		284.00	13,168.51

I.	DESCRIPTON OF ITEM	QTY.	UNIT	LN./ P.N	BASIC RATE	LEAD CHARGES			TOTAL	Add 0 %	TOTAL OF	ADD %	TOTAL OF	AMOUNT
						SAND	METAL	TS & R.A.						
						HM	Bricks			Charges	6 TO 11	CHARGE S	6 TO 14	
										0.000		0.0000		
	2	3	4	5	6	7	8	10	11	12	13	14	15	16
5	Excavation for foundation in hard murum and boulders including removing the excavated material up to a distance 50 metres, beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5m.) By Mechanical Mean	1.00	Cum	21.10/154	252.00						252.00		252.00	252.00
6	Excavation for foundation in Hard murum and boulders including removing the excavated material upto a distance of 50 metres, beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift from 1.5 m to 3.0 m.) By Mechanical Means	1.00	Cum	21.12/154	312.00						312.00		312.00	312.00
7	Excavation for roadway in earth, soil of all sorts, sand, gravel or soft murum including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m. and spreading for embankment or stacking as directed.	1.00	Cum	2.11/23	119.00						119.00		119.00	119.00
8	Excavation for roadway in hard murum and boulder including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m.and spreading for embankment or stacking as directed.	1.00	Cum	2.13/24	139.00						139.00		139.00	139.00
9	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC without SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	125.00	Cum	24.01/175	5,830.00					(126.00)	5,704.00		5,704.00	713,000.00

I.	DESCRIPTION OF ITEM	QTY.	UNIT	LN./P.N	BASIC RATE	LEAD CHARGES		TS & R.A.	TOTAL	Add 0 %	TOTAL OF	ADD %	TOTAL OF	AMOUNT
						C Area	RATES			FOR	RATES			
						SAND	METAL			Charges	6 TO 11	CHARGE S	6 TO 14	
						HM	Bricks			0.000		0.0000		
	2	3	4	5	6	7	8	10	11	12	13	14	15	16
11	Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually , striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete.	36.00	Cum	27.01/197	7,755.00						7,755.00		7,755.00	279,214.90
12	Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete..	35.50	MT	26.33/188	89,703.00						89,703.00		89,703.00	3,184,456.50
13	Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with out SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	60	Cum	25.11/178	7,104.00					(126.00)	6,978.00		6,978.00	418,680.00

I.	DESCRIPTON OF ITEM	QTY.	UNIT	LN./ P.N	BASIC RATE	LEAD CHARGES		TS & R.A.	TOTAL	Add 0 %	TOTAL OF	ADD %	TOTAL OF	AMOUNT
						C Area	RATES			FOR	RATES			
						SAND	METAL			Charges	6 TO 11	CHARGE S	6 TO 14	
						HM	Bricks			0.000		0.0000		
	2	3	4	5	6	7	8	10	11	12	13	14	15	16
14	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with Out SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	23.00	Cum	25.31/179	13,783.00					(126.00)	13,657.00		13,657.00	314,111.00
15	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compactionand roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC without SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	67.00	Cum	25.50/181	12,269.00					(126.00)	12,143.00		12,143.00	813,581.00
16	Providing and laying Cast in situ/Ready Mixcement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including steel centering, formwork, cover blocks, laying/pumping, compacting and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC without SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	3.74	Cum	25.70/182	13,932.00					(126.00)	13,806.00		13,806.00	51,689.66

I.	DESCRIPTION OF ITEM	QTY.	UNIT	LN./ P.N	BASIC RATE	LEAD CHARGES		TS & R.A.	TOTAL	Add 0 % C Area	TOTAL OF RATES	ADD % FOR CHARGE S	TOTAL OF RATES	AMOUNT
						SAND	METAL							
						HM	Bricks			Charges	6 TO 11		6 TO 14	
										0.000		0.0000		
	2	3	4	5	6	7	8	10	11	12	13	14	15	16
17	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement	7.20	Cum	25.70/182	13,932.00					(126.00)	13,806.00		13,806.00	99,403.20
18	Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in super structure including striking joints,raking out joints,watering and scaffolding etc.Complete	85.00	Cum	24.16/177	6,359.00						6,359.00		6,359.00	540,515.00
19	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 Kilogramper cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.	456.83	Sqm	32.11/209	639.00						639.00		639.00	291,911.81
20	Providing internal cement plaster 12 mm thick in Single coats in cement mortar 1:4 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc.complete.	345.55	Sqm	32.04/209	278.00						278.00		278.00	96,061.51
21	Providing internal cement plaster 20mm thick in Single coats in cement mortar 1:4 with cement finish, to concrete, brick surface, in all positions including scaffolding and curing etc.complete.	103.23	Sqm	32.04/209 /32.21/210	350.00						350.00		350.00	36,130.50
22	Providing and applying white-wash in two coats on old / new plastered or masonry surfaces and asbestos cement sheets including scaffolding and preparing the surface by brushing and brooming down etc. complete.	380.65	Sqm	36.03/227	12.00						12.00		12.00	4,567.84

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						SAND	METAL							
						HM	Bricks							
										0.000		0.0000		
	2	3	4	5	6	7	8	10	11	12	13	14	15	16
23	Providing and applying two coats of exterior acryylic emulsion paint confirming to corresponding I.S. of approved manufacture and of approved colour to the plastered surfaces including cleaning ,preparing the plaster surface, applying primer coat ,scaffolding if necessary , and watering the surface for two days etc complete.	409.00	Sqm	35.25/225	261.00						261.00		261.00	106,749.00
24	Providing and applying two coats (exterior quality) of flat oil paint of approved colour and shade to the plastered surface in buildings and workshops including scaffolding if necessary, cleaning the surface and preparing surface etc. complete. (excluding primer coat)	24.00	Sqm	35.11/224	88.00						88.00		88.00	2,112.00
25	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm minimum size and shape with square bar, suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade cast iron or mild steel and one coat of red lead primer etc. complete. (I.S. 62481979) (Without mechanical gear)	21.42	Sqm	39.24/248	4,829.00						4,829.00		4,829.00	103,437.18
26	Providing and fixing mildsteel grill work for windows,ventilatorsetc. 20Kilogram/Square Metre as per drawing including fixtures,necessary welding and painting with one coat s of anticorrosive paint and two coats of oil painting complete.	49.68	Sqm	40.01/264	2,097.00						2,097.00		2,097.00	104,178.96
27	Filling in plinth with approved excavated stuff obtained from departmental land including watering, compacting etc. complete as	128.57	Cum	21.36/157	120.00						120.00		120.00	15,427.91

I.	DESCRIPTON OF ITEM	QTY.	UNIT	LN./P.N	BASIC RATE	LEAD CHARGES		TS & R.A.	TOTAL	Add 0 % C Area	TOTAL OF RATES	ADD % FOR CHARGE S	TOTAL OF RATES	AMOUNT
						SAND	METAL							
						HM	Bricks				Charges	6 TO 11	6 TO 14	
										0.000		0.0000		
	2	3	4	5	6	7	8	10	11	12	13	14	15	16
28	Providing Hard Murum cohesive non-swelling materials in plinth in layers of 20 cms etc. complete as directed. [Only compacted thickness is payable][Rd.23/202 & Rd.28/205].	642.83	Cum	RA	568.00						568.00		568.00	365,127.21
29	Compacting the Hard Murum, cohesive non swelling materials in plinth upto 200 mm loose with power roller 8 to 10 tonnee capacity including artificial watering etc. complete as	1285.66	Sqm	2.31/25	21.00						21.00		21.00	26,998.84
30	Providing & laying stone metal layer of 20 cm thickness with 60 mm over size metal 65% and 40 mm size metal 35% with sand or stone chips spreading & leveling handpacking complete.[Rd.22/201,Rd.20/200 & Rd.20/205]	183.62	Cum	RA	1,196.00						1,196.00		1,196.00	219,611.82
3	Compacting oversize & size metal layers combindaly with power roler not less than 8 tonnes including artificial watering & leveling etc. complete as directed (Rd.35/209)	642.83	Sqm	MR	805.00						805.00		805.00	517,477.83
32	Providing and laying in situ cement concrete M20 with tremix treatment for 100 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessary refilling with bitumen and including vaccum dewatering etc. complete.	642.83	Sqm	33.30/216	796.00					(126.00)	670.00		670.00	430,695.83
33	Providing treatment of TREMIX vaccum dewatering over prelaid cement concrete 1:2:4 surface including fixing of M.S.Channel formwork as per required size and placing of dowel rod, vibrating the concrete by needle vibrator and leveling by	642.83	Sqm	RA	50.00						50.00		50.00	32,141.48
34	Providing & fixing ISMC 150 with weight @ 16.80 Kgs/Rmt 20 mm dia & 0.50 m long bolts & nuts @ 1.00 mc/c, M.S. angles for stands of fire bucket including chain fixing in wall applying three coats of oilpaint etc. compl	1.50	MT	23.01/173	101,844.00						101,844.00		101,844.00	152,766.00
35	Providing & Fixing in position M.S. ladder of 45 cms width made out 50 x 50 x 6 mm two angles for rails and M.S. angle stiffeners at three places as directed with M.S. round bars of 20 mm dia for steps @ every 30 cm c/c including fixing	8.00	RMT	RA	805.00						805.00		805.00	6,440.00

I.	DESCRIPTON OF ITEM	QTY.	UNIT	LN./P.N	BASIC RATE	LEAD CHARGES		TS & R.A.	TOTAL	Add 0 % C Area	TOTAL OF RATES	ADD % FOR CHARGE S	TOTAL OF RATES	AMOUNT
						SAND	METAL							
						HM	Bricks			Charges	6 TO 11	CHARGE S	6 TO 14	
										0.000		0.0000		
	2	3	4	5	6	7	8	10	11	12	13	14	15	16
36	Providing and fixing lioghtening conductor system comprising of erecting Air-Termination consisting of tubular copperrod of 25 mm dia.1.2 mm thick with multiple point shead 1.2mt.long (HeavyDuty)welderor clamped to G.I .pipe pole Bgrade 50 mm dia of requiiredl engh with M.S.round bnase plate 25 Cmdiamand 10mm thick at bottom embeded in cement concrete 1:3:6 d foundation of size 45 cm diam x 45cm Height and providing earth ing with copper earth plate of size60x60x0.3cms with cadmiump l at ed nut bolt sto fixe arthing strip burried inspecialy prepared earth pits1.5metre below ground level with 40 Kilogram charcoal and salt with altemate layers of charcoal and salt and G.I.pipe 40 mm dia2meter length burried inearthe up to earthling plateremining portion above ground level forwatering and refillingc ompete Note-Copper strip fromlightening conductor is not considered in this item.	1.00	Nos	44.18/295	25,784.00						25,784.00		25,784.00	25,784.00
37	Conveying the materials obtained from excavation including all lifts, laying in layers, breaking clods, dressing to the required lines, curves, grades and section for a lead over 50m to 300m from the site of excavation to the site of dep	5.00	Cum	2.25/24	195.00						195.00		195.00	975.00
38	Providing pre-constructrional Anti-termite treatment as per I.S. 6313 (Part-II) - 1973 by treating the top surface of plinth filling at the rate of 5 litres of emulsion concentrates of 0.5 percent of Hephocllore per square meter of surface	1.00	sq m	21.24/156	108.00						108.00		108.00	108.00
39	Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with powder coating as per detailed drawing and specifications including aluminium frames 80 x 38 mm x 1.22 mm box type, 5 mm thick sheet glass louvers, of approved quality etc. complete.	49.70	sq m	39.68/259	3,467.00						3,467.00		3,467.00	172,309.90

	Item Nos & Description of Items	N.O.S				LENGT	BREDTH	DEPTH	HEIGHT	TOTAL	Unit
		1	X	2							
1	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical Means										Cum
	Column footing										
	Column C1,C8,C13,C20	2	X	2	X	2.80	X	2.30	X	1.00	= 25.76
	Column No.C2,C3,C4,C5,C6,C7,C14,C15, C16,C17,C18,C19	2	X	6	X	2.80	X	2.30	X	1.00	= 77.28
	Column No. C9,C10,C11,C12	2	X	2	X	2.80	X	2.30	X	1.00	= 25.76
	Column No. C29,C30,C31,C32	2	X	4	X	2.80	X	2.30	X	0.00	= 0.00
	Column Platform (CP)	2	X	4	X	2.80	X	2.30	X	1.00	= 51.52
	For Ground Beam PANEL										
	Longwall	2	X	7	X	6.00	X	0.40	X	0.70	= 23.52
	Gable wall	2	X	3	X	5.05	X	0.40	X	0.70	= 8.48
										Total	= 212.32
										say	= 212.32
											Cum
2	Excavation for foundation in earth, soils of all types, sand,gravel and soft murum, including removing the excavated material upto a distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift from 1.5m to 3.0m) By Mechanical Means										Cum
	Column footing										
	Column C1,C8,C13,C20	2	X	2	X	2.80	X	2.30	X	0.00	= 0.00
	Column No.C2,C3,C4,C5,C6,C7,C14,C15, C16,C17,C18,C19	2	X	6	X	2.80	X	2.30	X	0.00	= 0.00
	Column No. C9,C10,C11,C12	2	X	2	X	2.80	X	2.30	X	0.00	= 0.00
	Column No. C29,C30,C31,C32	2	X	4	X	2.80	X	2.30	X	0.00	= 0.00
	Column Platform (CP)	2	X	4	X	2.80	X	2.30	X	0.00	= 0.00
	For Ground Beam PANEL										
	Longwall	2	X	7	X	6.00	X	0.70	X	0.00	= 0.00
	Gable wall	2	X	3	X	5.05	X	0.70	X	0.00	= 0.00
											= 0.00
										say	= 1.00
											Cum
3	Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.50 m) By Mechanical Means										Cum
	Column footing										
	Column C1,C8,C13,C20	2	X	2	X	2.80	X	2.30	X	0.60	= 15.46
	Column No.C2,C3,C4,C5,C6,C7,C14,C15, C16,C17,C18,C19	2	X	6	X	2.80	X	2.30	X	0.60	= 46.37
	Column No. C9,C10,C11,C12	2	X	2	X	2.80	X	2.30	X	0.60	= 15.46
	Column No. C29,C30,C31,C32	2	X	4	X	2.80	X	2.30	X	0.00	= 0.00
	Column Platform (CP)	2	X	4	X	2.80	X	2.30	X	0.60	= 0.00
	For Ground Beam PANEL										
	Longwall	2	X	7	X	6.00	X	0.70	X	0.00	= 0.00
	Gable wall	2	X	3	X	5.05	X	0.70	X	0.00	= 0.00
										Total	= 77.28
										say	= 77.28
											Cum
4	Excavation for foundation in Hard murum including removing the excavated material upto a distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift										Cum
	Column footing										
	Column C1,C8,C13,C20	2	X	2	X	2.80	X	2.30	X	0.20	= 5.15

Item Nos & Description of Items	N.O.S				LENGT	BREDTH	DEPTH	TOTAL	Unit			
Column No.C2,C3,C4,C5,C6,C7,C14,C15, C16,C17,C18,C19	2	X	6	X	2.80	X	2.30	X	0.20	=	15.46	
Column No. C9,C10,C11,C12	2	X	2	X	2.80	X	2.30	X	0.20	=	5.15	
Column No. C29,C30,C31,C32	2	X	4	X	2.80	X	2.30	X	0.20	=	10.30	
Column Platform (CP)	2	X	4	X	2.80	X	2.30	X	0.20	=	10.30	
For Ground Beam PANEL												
Longwall	2	X	7	X	6.00	X	0.70	X	0.00	=	0.00	
Gable wall	2	X	3	X	5.05	X	0.70	X	0.00	=	0.00	
									Total		46.37	
									say		46.37	Cum
5 Excavation for foundation in hard murum and boulders including removing the excavated material up to a distance 50 metres, beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5m.) By Mechanical Mean												
Column C1,C8,C13,C20	2	X	2	X	2.80	X	2.30	X	0.00	=	0.00	
Column No.C2,C3,C4,C5,C6,C7,C14,C15, C16,C17,C18,C19	2	X	6	X	2.80	X	2.30	X	0.00	=	0.00	
Column No. C9,C10,C11,C12	2	X	2	X	2.80	X	2.30	X	0.00	=	0.00	
Column No. C29,C30,C31,C32	2	X	4	X	2.80	X	2.30	X	0.00	=	0.00	
Column Platform (CP)	2	X	4	X	2.80	X	2.30	X	0.00	=	0.00	
For Ground Beam PANEL												
Longwall	2	X	7	X	6.00	X	0.70	X	0.00	=	0.00	
Gable wall	2	X	3	X	5.05	X	0.70	X	0.00	=	0.00	
									Total		1.00	
									say		1.00	Cum
6 Excavation for foundation in Hard murum and boulders including removing the excavated material upto a												
Column footing												
Column C1,C8,C13,C20	2	X	2	X	2.80	X	2.30	X	0.00	=	0.00	
Column No.C2,C3,C4,C5,C6,C7,C14,C15, C16,C17,C18,C19	2	X	6	X	2.80	X	2.30	X	0.00	=	0.00	
Column No. C9,C10,C11,C12	2	X	2	X	2.80	X	2.30	X	0.00	=	0.00	
Column No. C29,C30,C31,C32	2	X	4	X	2.80	X	2.30	X	0.00	=	0.00	
Column Platform (CP)	2	X	4	X	2.80	X	2.30	X	0.00	=	0.00	
									Total		1.00	
									Say		1.00	Cum
7 Excavation for roadway in earth, soil of all sorts, sand, gravel or soft murum including dressing section to the												
For Wh bldg.	0.0	X	1.0	X	21.390	X	6.000	X	0.300	=	0.000	
									TOTAL	=	1.000	
									SAY	=	1.00	Cum
8 Excavation for roadway in hard murum and boulder including dressing section to the required grade, camber and												
For Wh bldg.	0.0	X	1.0	X	21.900	X	6.000	X	0.150	=	0.000	
									TOTAL	=	1.00	
									SAY	=	1.00	Cum
9 Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC without SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)												
Bed concrete in WH.	1.0	X	1.0	X	42.070	X	15.280	X	0.15	=	96.424	
Column footing												
Column C1,C8,C13,C20	2	X	2	x	2.80	X	2.30	X	0.10	=	2.58	
Column No.C2,C3,C4,C5,C6,C7,C14,C15, C16,C17,C18,C19	2	X	6	x	2.80	X	2.30	X	0.10	=	7.73	
Column No. C9,C10,C11,C12	2	X	2	x	2.80	X	2.30	X	0.10	=	2.58	

Item Nos & Description of Items	NO.S				LENGT	BREDTH			DEPTH		TOTAL	Unit	
Column No. C29,C30,C31,C32	2	X	4	x	2.80	X	2.30	X	0.10	=	5.15		
Column Platform (CP) C21,C22,C23,C24,C25,C26,C27,C 28	2	X	4	x	2.80	X	2.30	X	0.10	=	5.15		
For Ground Beam PANEL												2.76	
Longwall	2	X	7	X	6.00	X	0.40	X	0.10	=	3.36		
Gable wall	2	X	3	X	5.05	X	0.40	X	0.10	=	1.21		
									Total	=	124.18		
									say	=	125.00	Cum	
11	Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually , striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete.											Cum	
	For PANEL In Plinth												
	Longwall	2	X	7	X	6.00	X	0.35	X	0.90	=	26.46	
	Gable wall	2	X	3	X	5.05	X	0.35	X	0.90	=	9.54	
									Total	=	36.00		
									say	=	36.00	Cum	
	TMT Steel												
12	Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete..											MT	
	Footing	60.00											
	Column	23.00											
	Beams And Lintels	67.00											
	weathersheds & canopies	3.74											
	R.C.C.slab	7.20											
		160.94	x	220		35407.68						35.408	
	Total											35.408	
	say											35.500	MT
	Footing												
13	Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with out SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)											Cum	
	Column footing												
	Column C1,C8,C13,C20	2	X	2	x	2.50	X	2.00	X	0.65	=	13.00	
	Column No.C2,C3,C4,C5,C6,C7,C14,C15, C16,C17,C18,C19	2	X	6	x	2.00	X	2.50	X	0.55	=	33.00	
	Column No. C9,C10,C11,C12	2	X	2	X	2.00	X	2.25	X	0.45	=	8.10	
	Column No. C29,C30,C31,C32	2	X	4	x	0.00	x	0.00	X	0.00	=	0.00	
	Column Platform (CP) C21,C22,C23,C24,C25,C26,C27,C	2	X	4	x	1.20	X	1.20	X	0.45	=	5.18	
									Total			59.28	
									say			60.00	Cum
	Column												

Item Nos & Description of Items	NO.S		LENGT	BREDTH	DEPTH	TOTAL	Unit
14 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with Out SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)							Cum
Column up to plinth							
Column C1,C8,C13,C20	2	X 2	X 0.48	X 0.60	X 2.15	= 2.48	
Column No.C2,C3,C4,C5,C6,C7,C14,C15,C16,C17,C18,C19	2	X 6	X 0.35	X 0.60	X 2.15	= 5.42	
Column No. C9,C10,C11,C12	2	X 2	X 0.32	X 0.53	X 2.15	= 1.46	
Column No. C29,C30,C31,C32	2	X 4	X 0.15	X 0.23	X 0.00	= 0.00	
Column Platform (CP)	2	X 4	X 0.30	X 0.53	X 2.15	= 2.73	4.44
Column above plinth							
Column C1,C8,C13,C20	2	X 2	X 0.30	X 0.30	X 3.00	= 1.08	
Column No.C2,C3,C4,C5,C6,C7,C14,C15,C16,C17,C18,C19	2	X 6	X 0.30	X 0.30	X 3.00	= 3.24	
Column No. C9,C10,C11,C12	2	X 2	X 0.30	X 0.30	X 3.00	= 1.08	
Column No. C29,C30,C31,C32	2	X 4	X 0.15	X 0.23	X 3.00	= 0.83	
Column Platform (CP)	2	X 4	X 0.30	X 0.53	X 3.00	= 3.82	
					Total	22.13	
					say	23.00	Cum
Beams And Lintels							
15 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compactionand roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC without SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)							Cum
Ground Beam							
Longwall	2	X 7	X 6.00	X 0.35	X 0.60	= 17.64	
Gable wall	2	X 3	X 5.05	X 0.35	X 0.60	= 6.36	
	1	X 0	X 4.45	X 0.35	X 0.60	= 0.00	
Platform beam							
PB 1	2	X 2	X 6.00	X 0.35	X 0.60	= 5.04	
PB2	2	X 2	X 6.00	X 0.35	X 0.60	= 5.04	
PB3	1	X 3	X 1.20	X 0.35	X 0.60	= 0.76	
OFFSET	2	X 1	X 4.94	X 0.21	X 0.15	= 0.31	
OFFSET	2	X 1	X 1.20	X 0.21	X 0.15	= 0.08	
Patli 0.23X0.35							
Longwall	1	X 2	X 42.53	X 0.23	X 0.35	= 6.85	
Shortwall	1	X 2	X 15.74	X 0.23	X 0.35	= 2.53	
LINTELS							
OVER V1	2	X 24	X 1.50	X 0.35	X 0.15	= 3.78	
DOOR BEAM							
Longwall	2	X 7	X 7.20	X 0.30	X 0.45	= 13.61	
Gable wall	2	X 3	X 5.05	X 0.30	X 0.45	= 4.09	
						66.09	
					say	67.00	Cum
weathersheds & canopies							
16 Providing and laying Cast in situ/Ready Mixcement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including steel centering, formwork, cover blocks, laying/pumping, compacting and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC without SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)							Cum
Ventilators - V1 Long side	2	X 24	X 1.50	x 0.52	x 0.10	= 3.74	

Item Nos & Description of Items	NO.S				LENGT	BREDTH			DEPTH	TOTAL	Unit	
									Total	3.74		
									Say	3.74	Cum	
R.C.C.slab												
17 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete. With fine aggregate (Crushed sand VSI Grade)											cum	
PLATFORM SLAB	1	X	4	X	5.00	X	1.80	X	0.200	=	7.20	
									Total		7.20	
									say		7.20	Cum
BBM												
18 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in super structure including striking joints,raking out joints,watering and scaffolding etc.Complete												Cum
BAY												
Longwall	2	X	7	X	6.00	X	0.35	X	2.55	=	74.97	
Gable wall	2	X	3	X	5.05	X	0.35	X	2.55	=	27.04	
Deduction for									Total		102.01	
Rolling shutters	2	X	2	X	2.10	X	0.35	X	2.55	=	7.50	
V1	2	X	24	X	0.60	X	0.60	X	0.60	=	10.37	
							Total deduction				17.87	
									Net		84.15	
									total		84.15	
									Say		85.00	Cum
19 Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1Kilogramper cement												Sqm
Outside												
Long wall	1	X	2	X	42.53	X	3.90			=	331.73	
short wall	1	X	2	X	15.74	X	3.90			=	122.77	
Weather sheds over												
V1 top, bottom	2	X	20	X	1.55	X	0.65			=	40.30	
Sides	1	X	20	X	0.45	X	0.08			=	0.72	
									Total		495.53	
Deduction												
Rolling shutters	2	X	2	X	2.10	X	2.55			=	21.42	
V1	2	X	24	X	0.60	X	0.60			=	17.28	
									Total		38.70	
									Net		456.83	
									Say		456.83	Sqm
20 Providing internal cement plaster 12 mm thick in Single coats in cement mortar 1:4 without neeru finish, to												Sqm
Inside												
Long wall	1	X	2	X	42.07	X	3.35			=	281.87	
short wall	1	X	2	X	15.28	X	3.35			=	102.38	
Offset of cloumn												
C1	2	X	3	X	0.37	X	3.35			=	7.44	
C2	2	X	3	X	0.37	X	3.35			=	7.44	
C3	2	X	4	X	0.37	X	3.35			=	9.92	
CP & C4 RS	2	X	6	X	0.14	X	3.35			=	5.63	
Deduction									Total		384.25	
Rolling shutters	2	X	2	X	2.10	X	2.55			=	21.42	
V1	2	X	24	X	0.60	X	0.60			=	17.28	
									Dedu.		38.70	
									Net		345.55	
									Say		345.55	Sqm

	Item Nos & Description of Items	NO.S				LENGT	BREDTH	DEPTH	TOTAL	Unit	
21	Providing internal cement plaster 20mm thick in Single coats in cement mortar 1:4 with cement finish, to concrete, brick surface, in all positions including scaffolding and curing etc.complete.									Sqm	
	Plinth										
	Long Wall	1	X	2	X	42.07	X	0.90	=	75.726	
	Short Wall	1	X	2	X	15.28	X	0.90	=	27.504	
									Total	103.23	
									Say	103.23	Sqm
22	Providing and applying white-wash in two coats on old / new plastered or masonry surfaces and asbestos									Sqm	
	Inside										
	Long wall	1	X	2	X	42.07	X	3.35	=	281.87	
	Short wall	1	X	2	X	15.28	X	3.35	=	102.38	
	Offset of cloumn										
	C1	2	X	3	X	0.44	X	3.35	=	8.84	
	C2	2	X	3	X	0.44	X	3.35	=	8.84	
	C3	2	X	4	X	0.44	X	3.35	=	11.79	
	C4 RS	2	X	6	X	0.14	X	3.35	=	5.63	
	Dedu.								Total	419.35	
	Rolling shutters	2	X	2	X	2.10	X	2.55	=	21.42	
	V1	2	X	24	X	0.60	X	0.60	=	17.28	
									Total	38.70	
									Net	380.65	
									Say	380.65	Sqm
23	Providing and applying two coats of exterior acryaic emulsion paint confirming to corresponding I.S. of approved manufacture and of approved colour to the plastered surfaces including cleaning ,preparing the plaster surface, applying primer coat ,scaffolding if necessary , and watering the surface for two days etc complete.									Sqm	
	Outside										
	Long wall	1	X	2	X	42.07	X	3.90	=	328.15	
	short wall	1	X	2	X	15.28	X	3.90	=	119.18	
									Total	447.33	
	Deduction										
	Rolling shutters	2	X	2	X	2.10	X	2.55	=	21.42	
	V1	2	X	24	X	0.60	X	0.60	=	17.28	
									Dedu.	38.70	
									Net	408.63	
									total	409.00	
									Say	409.00	Sqm
24	Providing and applying two coats (exterior quality) of flat oil paint of approved colour and shade to the plastered surface in buildings and workshops including scaffolding if necessary, cleaning the surface and preparing surface etc. complete. (excluding primer coat)									Sqm	
	Plinth										
	Stack lines										
	Long	8	X	2	X	6.00	X	0.10	=	9.60	
	Short	8	X	2	X	9.00	X	0.10	=	14.40	
									Total	24.00	
									Say	24.00	Sqm
25	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of									Sqm	
	Rolling shutters	2	X	2	X	2.10		2.55	x	1.00	21.42
									Total	21.42	
									Say	21.42	Sqm
26	Providing and fixing mildsteel grill work for windows,ventilatorsetc. 20Kilogram/Square Metre as per drawing including fixtures,necessary welding and painting with one coat s of anticorrosive paint and two coats of oil painting complete.									Sqm	
	V1	2	X	24	X	0.60	X	0.60	=	17.28	

Item Nos & Description of Items	NO.S				LENGT	BREDTH	DEPTH	TOTAL	Unit			
V2	2	X	27	X	1.00	X	0.60	=	32.40			
								Total	49.68			
								Say	49.68	Sqm		
27 Filling in plinth with approved excavated stuff obtained from departmental land including watering, compacting etc. complete as directed.(Bd. A.10/262)										Cum		
Qty received from excavation	1	X	1	X	42.07	X	15.28	X	0.20	=	128.57	
item no 3	1.00				2.76				-1.76			
item no 5	1.00				15.44				-14.44			
Qty received from excavation								Total	128.57			
								Say	128.57		Cum	
28 Providing Hard Murum cohesive non-swelling materials in plinth in layers of 20 cms etc. complete as directed. [Only compacted thickness is payable][Rd.23/202 & Rd.28/205].										Cum		
Main bldg.	1	X	1	X	42.07	X	15.28	X	1.00	=	642.83	
Apron												
								Total	642.83			
								Say	642.83		Cum	
29 Compacting the Hard Murum , cohesive non swelling materials in plinth upto 200 mm loose with power roller 8 to 10 tonee capacity including artificial watering etc. complete as directed.[Rd.38/210]										Sqm		
Main bldg.	1	X	2	X	42.07	X	15.28			=	1285.66	
								Total	1285.66			
								Say	1285.66		Sqm	
30 Providing & laying stone metal layer of 20 cm thickness with 60 mm over size metal 65% and 40 mm size metal 35% with sand or stone chips spreading & leveling handpacking complete.[Rd.22/201,Rd.20/200 & Rd.20/205]										Cum		
Main bldg.	1	X	1	X	42.07	X	15.28	X	0.20	=	128.57	
Main bldg. Inner Periferi	1	X	2	X	42.07	X	0.60	X	0.80	=	40.39	
	1	X	2	X	15.28	X	0.60	X	0.80	=	14.67	
								Total	183.62			
								Say	183.62		Cum	
31 Compacting oversize & size metal layers combindaly with power roler not less than 8 tonnes including artificial watering & leveling etc. complete as directed (Rd.35/209)										Sqm		
Main bldg.	1	X	1	X	42.07	X	15.28			=	642.83	
								Total	642.83			
								Say	642.83		Sqm	
32 Providing and laying in situ cement concrete M20 with tremix treatment for 100 mm thickness for flooring with										Sqm		
Main bldg.	1	X	1	X	42.07	X	15.28	X	1.00	=	642.83	
								Total	642.83			
								Say	642.83		Sqm	
33 Providing treatment of TREMIX vaccum dewatering over prelaid cement concrete 1:2:4 surface including fixing of M.S.Channel formwork as per required size and placing of dowel rod, vibrating the concrete by needle vibrator and leveling by										Sqm		
Main Bldg.	1	X	1	X	42.07	X	15.28			=	642.83	
Provision								Total	642.83			
								Say	642.83		Sqm	
34 Providing & fixing ISMC 150 with weight @ 16.80 Kgs/Rmt 20 mm dia & 0.50 m long bolts & nuts @										MT		
For Platforms	2	X	2	X	8.70	X	16.80	Kg/M.		=	584.64	
@ 12.10 kg/m												
Holdfasts 20 mm dia	40	X	6	X	0.60	X	2.50	Kg/M.		=	360.00	
@ 2.50 kg/m												
L50x50x6 mm for fire bucket.										=	180.00	
@ 4.50 kg/m								Total	1124.64			

1200 MT Wh.building & other Ancillary work

Sub Work III :- Royalty Charges

Item . No.	Item No & Description of item	Executed Quantity	Quantity of Material for Royalty Cu. M									
			Cement in bags		SAND	Quantity	METAL	Quantity	MURU M	Quantity	RUBBLE	Quantity
	Sub Work :-I Const. of 600 MT WH Bldg.											
11	Providing second class Burnt Brick	36	1.58	56.89	0.32	11.521						
19	Providing second class Burnt Brick	7	1.58	11.38	0.32	2.304						
21	Providing sand faced plaster externally in	457	0.17	77.66	0.03	13.705						
23	Providing internal cement plaster 12 mm	346	0.17	58.74	0.03	10.366						
24	Providing internal cement plaster 20mm	103	0.22	22.71	0.03	3.097						
31	Providing Hard Murum cohesive non-	643							1.20	771.396		
33	Providing & laying stone metal layer of 20	184					1.32	242.381				
			Total	227		40.993		242.381		771.396		0.000

Royalty Charges Recovery Statements

Sr. No	Particular	Requar Quantity in Cum	Requar Quantity in Brass	Royalty	Surcharge	Distt. Mineral Foundation Cess		Royalty Charges @ Rs SAND&144.160 Oth,Min
			2.83		2%	10%		237.18
1	SAND	40.99	40.99	211.95	4.24	21.20	237.390	9731.44
2	METAL Hand broken	242.38	242.38	211.95	4.24		216.189	52400.09

3	MURUM	771.40		771.40	211.95	4.24		216.189	166767.23
4	RUBBLE	0.00		0.00	211.95	4.24		216.189	0.00
					Total Amount Rs.			228898.76	

Say Rs. **228899**

Sub work IV:- Material Lab Testing charges**1200 MT Wh.building & other Ancillary work****Statement Showing the details of requirement of Lab. Tests to be carried out:-**

Sr. No.	Particulars	Quantity	Unit	Tests to be carried out	Nos. of tests	Rate per test	Amount	Remarks
1	Cement	9	MT	Fineness, Consistency, Setting Time, Compressive strength, Specific gravity.	2	7540	15080	one test per 1000 Bag
2	Concrete M-20		cum	i) Mix Design with all tests on basic materials	-	-	-	One set for mix design
				ii) Concrete cube compressive strength	12	1380	16560	Up to 50 Cum 4 & thereafter for each 50 Cum one additional set
				iii) Rebound hammer Test	0	250	0	
3	Bricks	43	cum	Water Absorption (Set of 5 Bricks), Compressive strength (Set of 5 Bricks),	1	1900	1900	one test per 50000 Nos. of bricks
4	Masonry stones	0	cum	Crushing value,/ compressive strength, water absorption, Specific Gravity.	1	1750	1750	one test per source
5	TMT steel bars	35.50	M.T.	Yield stress, ultimate tensile stress, elongation, weight per running meter.	1	3200	3200	1 test per 5.00 M.T. and one for each dia. Of use bar
6	Sand	40.99	cum	Fineness Modulus, silt content.	1	1950	1950	1 test per source
7	Murum	771.40	cum	i) Gradation	1	600	600	1 test per 400 Cum.
				ii) Atterberg Limit	1	1100	1100	1 test per 400 Cum.
				iii) Moisture content prior to compaction	1	800	800	1 test per 400 Cum.
				iv) Density of compacted layer	1	1000	1000	1 test per 1000 Sq.m
				v) Proctor Test	1	1650	1650	1 test per 3000 Cum.
				TOTAL			45590	

1200 MT Wh.building & other Ancillary work

RATE ANALYSIS SHEET

30.00 Providing Hard Murum cohesive non-swelling materials in plinth in layers of 20 cms etc. complete as directed. [Only compacted thickness is payable][Rd.23/202 &

Consider 1.00 cu m quantity

1 - Basic rate 25/383	1.00	316.00	316.00
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2 - Lead Charges	5.00	252.00	252.00
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3 - Spreading charges 9	0.00	49.00	0.00
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Total Rs			568.00
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4 - For compaction 20 % OF H.M.cost

Grand total Rs.			575.86
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Deduction for stacking charges

I N 3/255	1.20	0.00	0.00
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Net Rs			568.00
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Therefore rate per cu m will be say **568.00**
Rs

Item No Providing & laying stone metal layer of 20 cm thickness with 60 mm over size metal 65% and 40 mm size metal 35% with sand or stone chips spreading & leveling

32.00 P oversize & size metal filling in plinth

Consider 1.00 cu m quantity of 80 mm O.S.metal

1 - Basic rate	1.00	885.00	885.00
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2 - Lead Charges	7.00	252.20	252.20
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3 - Spreading charges	0.00	49.00	0.00
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Total Rs			1137.20
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4 - Add for compaction 15 %			0.00
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Grand Total Rs.			1137.20
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Deduction for stacking charges

2./255	1.32	0.00	0.00
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Net Rs			1137.20
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Therefore rate per cu m will be say **1137.20** **457.72**
Rs

Consider 1.00 cu m quantity of 40 mm O.S.metal

1 - Basic rate	1.00	885.00	885.00
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lead charges-	1.00	252.20	252.20
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3 - Spreading charges	0.00	49.00	0.00
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Total Rs			1137.20	
4 - Add for compaction 15			170.58	
Grand Total Rs.			1307.78	
Deduction for stacking charges				
2./255	1.32	0.00	0.00	
Net Rs			1307.78	
Therefore rate per cu m will be say Rs			1307.78	457.72

1196.90

Say Rs

1196.90

Item Providing treatment of TREMIX vaccum dewatering over prelaid cement

35.00 Laying charges for form work, running vibrator,

laying suction matt, dewatering etc.

Consider 1.0 sq m area

1 - Market rate as per .q	1.00	55.00	50.00			
2 - Transportation charg	0.00	0.83	0.00	2000.0	2406.69	0.83
3- Generator Hire charg	0.00	4.16	0.00	5.00	2000.00	10000.00
Total Rs.			50.00			
4. Diesel charges 5 day	0.00	1.88	0.00	100.00	45.24	4524.00
5 - Overheads & contractors pfofit 10 %			0.00			
Grand Total Rs.			50.00			
Therefore rate per sq m will be say Rs			50.00			