



मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प

प्रोसेसिंग शेड 171 स्वे. मिटर चे कोटेशन

उपप्रकल्पाचे नाव

मिश्र शेतमालाची स्वच्छता, वर्गीकरण व दर्जा सुधार पथदर्शी
प्रकल्प

सादरकर्ते

चंदनखेडा फारमर प्रोड्यूसर कंपनी लिमिटेड समुदाय आधारित संस्था,

चंदनखेडा तालुका- भद्रावती जिल्हा- चंद्रपुर

संपर्क: 8766849267; 9850473540

प्रोसेसिंग शेड 171 स्वे. मिटरचे कोटेशन - भाग 3A

अनुक्रमणिका

समुदाय आधारीत संस्थेचे नाव:

चंदनखेडा फारमर प्रोड्यूसर कंपनी लिमिटेड, चंदनखेडा तालुका भद्रावती जिल्हा चंद्रपुर

जबाबदार व्यक्तीचे नाव व संपर्क क्रमांक :

श्री. संतोष खडतकर मोबाईल क्रमांक : 8766849267

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1. RECAPITULATION SHEET

CHANDANKHEDA FARMER PRODUCER COMPANY

PROCESSING SHED 171 SQM

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CHANDANKHEDA FARMERS PROUCER CO. LTD.						
AT POST CHANDANKHEDA,TAL- BHADRAVATI , DIST- CHANDRAPUR.						
RECAPULATION SHEET						
FINAL						
NAME OF WORK :- PROPOSED CONSTRUCTION OF 171 SQ METER PROCESSING SHED WITH ANCILLARY WORKS						
Based on E SSR -2021-22						
PARTICULARS	Capacity	Unit		AMOUNT	Cost per MT	Cost per SqM
Sub Work I :- Const. of 171 SqM Processing Shed	171.34	SqM	Rs	2588387		15106.73
Sub Work II :- Electrification	2.5%		Rs	64710		
Sub Work III :- Royalty Charges			Rs	79916		
Sub work IV:- Material Lab Testing charges			Rs	35020		
Tender Cost			Rs	2768033		16155
Add 3 % Contigencies	3%		Rs	83041		
Add GST 12 %	12%		Rs	332164		
Add 0.5 % Labour Insurance	0.5%		Rs	13840		
Grand Total	Grand Total	Rs		3197078		18659
		Say		3197078		


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2. ABSRTACT SHEET

CHANDANKHEDA FARMER PRODUCER COMPANY

PROCESSING SHED 171 SQM


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CHANDANKHEDA FARMERS PROUCER CO. LTD.

AT POST CHANDANKHEDA, TAL- BHADRAVATI , DIST- CHANDRAPUR.

WORK: PROPOSED CONSTRUCTION OF 171 SQM PROCESSING SHED BUILDING WITH ANCILLARY WORKS AT POST CHANDANKHEDA, TAL- BHADRAVATI , DIST- CHAND

LEADS & RATES OF MATERIALS		Based on E SSR -2021-22					
S.N.	MATERIAL & LOCATION	UNIT	LEADS	CHARGES	LEAD	Pay load	
			KM	ACTUAL	INITIAL	DIFF	Factor
1	SAND	CU M	25.00	489.23	0.00	489.2	1.00
2	METAL UPTO 40MM crushed	CU M	10.00	299.83	0.00	299.8	1.00
3	METAL ABOVE 40 MM Road	CU M	10.00	287.34	0.00	287.3	1.00
4	RUBBLE	CU M	10.00	287.34	0.00	287.3	1.00
5	BRICKS (475 bricks per Cum)	Cum	15.00	812.99	0.00	386.2	1.00
6	HARD MURUM/Soft Murumn	CU M	3.00	192.42	0.00	192.42	1.00
7	Royalty	1	0				
8	Cement	MT	1	95.07	0.00	95.07	0.00
9	Steel	MT	1	95.07	0.00	95.07	0.00
				Natural		Artificial	
			QTY	RATE	AMOUNT	Rate	Amount
1	C.C. M-10 for foundation & beddding	SAND	0.47	214.39	100.76	214.39	100.76
		METAL	0.94	236.77	222.56	236.77	222.56
		CEMENT	2.52	6.01	15.15	6.01	15.15
		ROYALTY	1.41	0.00	0.00	0.00	0.00
					338.47		338.47
2	P & C U.C.R masonry	SAND	0.4	214.39	85.76	214.4	85.756
		RUBBLE	1.25	302.26	377.83	302.3	377.825
		CEMENT	1.78	6.01	10.70	6.0	10.698
		ROYALTY	1.25	141.34	176.68	141.3	176.675
					650.95		650.954
3	P & C B.B. masonry in plinth & S.S	SAND	0.32	214.39	68.60	214.4	68.60
		BRICKS	0.475	813.80	386.56	813.8	386.56
		CEMENT	1.440	6.01	8.65	6.0	8.65
		ROYALTY	0.300	0.00	0.00	0.0	0.00
					463.81		463.81
4	P & L R.C.C. (M-20) M-20	SAND	0.425	214.39	91.12	214.39	91.12
		METAL	0.85	236.77	201.25	236.77	201.25
		CEMENT	6.90	6.01	41.47	6.01	41.47
		ROYALTY	1.28	0.00	0.00	0.00	0.00
					333.84		333.84
4-A	P & L R.C.C. M-15	SAND	0.44	214.39	94.33	214.39	94.33
		METAL	0.88	236.77	208.36	236.77	208.36
		CEMENT	5.90	6.01	35.46	6.01	35.46
		ROYALTY	1.32	0.00	0.00	0.00	0.00
					338.15		338.15
5	P & A 25mm tk plaster	SAND	0.024	214.39	5.15	214.39	5.15


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		METAL	0.22	236.77	52.09	236.77	52.09	The centre under MIDC area				
		ROYALTY	0.02	0.00	0.00	0.00	0.00					
					57.23		57.23	percentage required to be added will be percenta				0.00%
6	P & A 20mm tk plaster	SAND	0.024	214.39	5.15	214.39	5.15	BLDG.WORKS				0.00%
		CEMENT	0.110	6.01	0.66	6.01	0.66					
		ROYALTY	0.024	0.00	0.00	0.00	0.00					
					5.81		5.81					
7	P & F ploished shahabad for sills & dado	SAND	0.024	214.39	5.15	214.39	5.15	SERVICE CHARGES.				0.00%
		CEMENT	0.140	6.01	0.84	6.01	0.84					
		ROYALTY	0.024	0.00	0.00	0.00	0.00					
					5.99		5.99	Labour cess				0.00%
8	P & C half brick wall	SAND	0.036	214.39	7.72	214.39	7.72	TOTAL:				0.00
	120 bricks per cum	BRICKS	1	813.80	813.80	813.80	813.80					
		CEMENT	0	6.01	1.32	6.01	1.32					
		ROYALTY	0	0.00	0.00	0.00	0.00					
					822.84		822.84					

CHANDANKHEDA FARMERS PROUCER CO. LTD.

AT POST CHANDANKHEDA,TAL- BHADRAVATI , DIST- CHANDRAPUR.

Sub Work :- Const. of 171 SqM Processing Shed Bldg.

I.N.	DESCRIPTON OF ITEM	QTY.	UNIT	I.N./ P.N	BASIC	LEAD CHARGES		TS	Add 0 %	TOTAL OF	ADD %	TOTAL OF	AMOUNT
					RATE	SAND	METAL	&	C Area	RATES	FOR	RATES	
						HM	Bricks	R.A.	Charges	6 TO 10	CHARGES	6 TO 12	
									0.00		0.00		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Ex for foundation in soil , soft murum up to 1.5	60.00	Cum	21.02/115	125.00					125.00	0.00	125.00	7500
2	Ex for foundation in H.m. up to 1.50 m etc	22.00	Cum	21.04/115	132.00					132.00	0.00	132.00	2904
3	P & L P.C.C.M-10 for foundation & bedding	20.00	Cum	24.01	4181.00	338.47	-117.00			4402.47	0.00	4402.47	88049
4	P & C B.B. masonry for foundation & plinth in C.M.	20.00	Cum	27.01	6053.00	459.52				6512.52	0.00	6512.52	130250

5	P & F TMT bar reinforcement	6.00	Cum	26.33	51509.00					51509.00	0.00	51509.00	309054
6	P & L R.C.C. M-20 for footing	12.23	Cum	25.11	6507.00	333.83	-117.00			6723.83	0.00	6723.83	82232
7	P & L R.C.C. M-20 for column	15.00	Cum	25.31	9514.00	333.83	-117.00			9730.83	0.00	9730.83	145962
8	P & L R.C.C. M-20 for beams & lintels	25.00	Cum	25.5	7741	333.83	-117.00			7957.83	0.00	7957.83	198946
9	P & L R.C.C. M-20 for weathersheds for V1	1.30	Cum	26.05	8829	333.83	-117.00			9045.83	0.00	9045.83	11760
10	P & C B.B. masonry in super structure in C.M.1:6	69.00	cu m	27.05	5804	459.52				6263.52	0.00	6263.52	432183
11	P & L .C.C. M15 for sills & bed blocks	1.00	Cum	24.16	4205	338.14	-117.00			4426.14	0.00	4426.14	4426
12	P C.P. 25 mm tk in C.M 1:4 OUTSIDE	423.00	Sqm	32.11	609.00	5.15				614.15	0.00	614.15	259785
13	P C.P.20 mm tk in C.M 1:4 INSIDE	290.00	MT	32.07	463.00	5.15				468.15	0.00	468.15	135764
14	P & A white wash 3 coats	285.00	Cum	36.02	11.00					11.00	0.00	11.00	3135
15	P & A cement paint 3 coats	427.00	Cum	35.15	58.00					58.00	0.00	58.00	24766

16	P & A oil paint 3 coats for parapet,stack lines &	22.00	Cum	35.15	84.00					84.00	0.00	84.00	1848
17	P & F rolling shutters 20 guage.	5.40	Cum	R.A.	3142.74					3142.74	0.00	3142.74	16971
18	P & F steel ventilators V-1	15.80	Cum	R.A.	3204.31	382.28	-120.00			3466.59	0.00	3466.59	54772
19	P & F M .S Aangular Truess & purlins for Roofi	2.00	Sqm	23.04	61210.00					61210.00	0.00	61210.00	122420
20	P & F Zinc lume.sheets	246.00	M T	38.34	703.00					703.00	0.00	703.00	172938
21	P & F Zinc lume sheet for ridge	11.40	Sqm	38.35	756.00					756.00	0.00	756.00	8618
22	P & F Turbo ventilator 24" dia	2.00	Rum	42/345	8085.00					8085.00	0.00	8085.00	16170
23	Filling in plinth with approved excavated stuff	10.00	Nos	21.36	65.00					65.00	0.00	65.00	650
24	P H.M. Filling in plinth	94.00	RMT	R A	621.11					621.11	0.00	621.11	58384
25	Compaction of H.M.filling in plinth	542.00	Cum	2.31	10.00					10.00	0.00	10.00	5420
26	P & L stone metal layer in plinth	53.00	Cum	RA	1046.48					1046.48	0.00	1046.48	55463

27	Compaction of stone metal layer	233.00	Sqm	-	25.00					25.00	0.00	25.00	5825
28	P & L C.C. M-15 for flooring	15.33	Cum	24.08	4205.00	338.14	-117.00			4426.14	0.00	4426.14	67853
29	P & F M .S.Angle sill of 50x50x6 mm	2.70	Sqm	R.A.	237.87					237.87	0.00	237.87	642
30	P & F M.S.Chanal 150X75mm	365.00	Sqm	23.01	50.77					50.77	0.00	50.77	18531
31	Conveying material for lead of 50 to 300 m	10.00	Sqm	2.25	112.00					112.00	0.00	112.00	1120
32	Conveying material for lead of _5 Km	10.00	MT	lead stat.	105.25					105.25	0.00	105.25	1053

33	Providing and fixing lightening conductor system comprising of erecting Air-Termination consisting of tubular copper rod of 25 mm dia. 1.2 mm thick with multiple point shead 1.2 mt. long (HeavyDuty) welded or clamped to G.I .pipe pole B grade 50 mm dia of requiired length with M.S. round base plate 25 Cm diamand 10mm thick at bottom embeded in cement concrete 1:3:6 d foundation of size 45 cm diam x 45cm Height and providing earthing with copper earth plate of size 60x60x0.3cms with cadmium plated nut bolts to fix earthing strip burried inspecially prepared earth pits 1.5 metre below ground level with 40 Kilogram charcoal and salt with altemate layers of charcoal and salt and G.I.pipe 40 mm dia 2 meter length burried in earth upto earthing plate remining portion above ground level for watering and refilling comcpete. Note- Copper strip from lightening conductor is not considered in this item.	1.00	Nos	44.18/214	72133.00					72133.00	0.00	72133.00	72133
34	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.	50.00	Cum	2.25/24	177.00					177.00	0.00	177.00	8850
35	Conveying the materials obtained from excavation including laying in layers, breaking clods, dressing to the required lines, curves, grades and section for all leads & lifts from the site of excavation to the site of deposition away from building as directed engineer in charge.	25.00	Cum	5 KM lead stat.	220.46					220.46	0.00	220.46	5512
36	Providing pre-constructional 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 Hephoclore per square meter of surface.	171.34	sq m	21.24/117	94.00					94.00	0.00	94.00	16106

37	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.	13.00	sq m	39.68/188	3107.00					3107.00	0.00	3107.00	40391
38		TOTAL FOR PROCESSING SHED BLDG								TOTAL RS			2588387


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3. MEASUREMENT SHEET OF BUILDING


CHANDANKHEDA FARMER PRODUCER COMPANY

PROCESSING SHED 171 SQM

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CHANDANKHEDA FARMERS PROUCER CO. LTD.											
AT POST CHANDANKHEDA, TAL- BHADRAVATI , DIST- CHANDRAPUR.											
NAME OF WORK :- PROPOSED CONSTRUCTION OF 171 SQM CAP.PROCESSING SHED BLDG WITH ANCILLARY WORKS											
CAPACITY	171	0	SIZE								
LONG WALLS--2	OUTER		1	X	17.57	X	15.70			275.85	
SHORT WALLS--2	INNER		1	X	17.22	X	15.00			258.30	
										Av.	
FOUNDATION DEPTHS										Depth	
1 EARTH SOIL 0 TO 1.50										0.70	
2 EARTH SOIL 1.50 to 3.00										0.00	
3 H.M. (0 to 1.50)										0.60	
4 H.M. (1.50 to 3.00)										0.00	
5 H.M.& BOULDER 0 TO 1.50										0.50	
6 H.M.& BOULDER 1.50 to 3.00										0.00	
7 SOFT ROCK										0.00	
8 HARD ROCK										0.00	
								TOTAL		1.80	
CUTTING IN PLINTH										0.15	
Asper vision at site											
Ex. Column Footings											
Column C1	2	X	3	X	1.20	X	1.20				
Column No. C3	2	X	2	X	1.30	X	1.50				
Column No.C2 MIDDLE	2	X	2	X	1.20	X	1.20				
Column No. C4 RS	1	X	3	X	0.00	X	0.00				
Column Platform (CP)	2	X	2	X	1.20	X	1.20				
Ex. Ground Beam PANEL											
C1-C1 middle	2	X	2	X	4.21	X	0.70				
C1-C3 END WALL	2	X	2	X	4.21	X	0.70				
C3-C2	2	X	2	X	5.15	X	0.70				
C2-C2 M	2	X	1	X	5.05	X	0.70				
APRON long	1	X	1	X	20.67	X	1.28				
APRON short	1	X	1	X	16.44	X	1.28				
Column Nos. & Size											
Column C1	2	X	3	X	0.30	X	0.45	X	5.15		
Column No.C2	2	X	2	X	0.45	X	0.30	X	5.15		
Column No. C3	2	X	2	X	0.30	X	0.45	x	5.15		
Column No.Platform	2	X	2	X	0.45	X	0.30				
Column near R.S.	1	X	3	X	0.15	X	0.23	X	2.50		
PCC, Tarfelt, BBM, BEAMS PANELS											
C1-C1 middle	2	X	2	X	3.91	X	0.35				
C1-C3 END WALL	2	X	2	X	3.91	X	0.35				
C3-C2	2	X	2	X	4.85	X	0.35				
C2-C2 M	2	X	1	X	4.75	X	0.35				
PB 1	2	X	1	X	3.91	X	0.35	X	0.45		
PB2	2	X	1	X	3.91	X	0.30	X	0.45		
PB3	2	X	2	X	1.20	X	0.30	X	0.30		
Rolling shutters	2	X	1	X	2.10			X	2.55		
V1	2	X	7	X	0.60			X	0.60		
V2	1	X	14	X	1.00			X	0.60		
V3 Up Side of Shutter	1	X	2	X	1.30			X	0.45		
TK. OF C.C. FLOORING					0.15						
Plat From	1	X	1	X	4.90			X	1.80		
SheetSize	1	X	2	X	17.57			X	8.15	=	286.39
Turbo @ Roffing	2	X	3								


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CHANDANKHEDA FARMERS PROUCER CO. LTD.												
AT POST CHANDANKHEDA, TAL- BHADRAVATI , DIST- CHANDRAPUR.												
NAME OF WORK :- PROPOSED CONSTRUCTION OF 171 SQM CAP.PROCESSING SHED BLDG WITH ANCILLARY WORKS												
Sub Work :-I Const. of 171 SQM CAP.PROCESSING SHED Bldg.												
MEASUREMENT SHEET												
Item Nos & Description of Items	NO.S				LENGTH	BREDTH	DEPTH / HIGHT	TOTAL QTY	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	2	X	3	X	1.20	X	1.20	X	0.70	=	6.05	
Column No. C3	2	X	2	X	1.30	X	1.50	X	0.70	=	5.46	
Column No.C2 MIDDLE	2	X	2	X	1.20	X	1.20	X	0.70	=	4.03	
Column No. C4 RS	1	X	3	X	0.00	X	0.00	X	0.70	=	0.00	
Column Platform (CP)	2	X	2	X	1.20	X	1.20	X	0.70	=	4.03	
For Ground Beam PANEL												
C1-C1 middle	2	X	2	X	4.21	X	0.65	X	0.70	=	7.67	
C1-C3 END WALL	2	X	2	X	4.21	X	0.65	X	0.70	=	7.67	
C3-C2	2	X	2	X	5.15	X	0.65	X	0.70	=	9.37	
C2-C2 M	2	X	1	X	5.05	X	0.65	X	0.70	=	4.60	
									Total		48.87	
									say		49.00	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	2	x	3	x	1.20	X	1.20	X	0.00	=	0.00	
Column No. C3	2	x	2	x	1.30	X	1.50	X	0.00	=	0.00	
Column No.C2 MIDDLE	2	x	2	x	1.20	X	1.20	X	0.00	=	0.00	
Column No. C4 RS	1	x	3	x	0.00	X	0.00	X	0.00	=	0.00	
Column Platform (CP)	2	x	2	x	1.20	X	1.20	X	0.00	=	0.00	
For Ground Beam PANEL												
C1-C1 middle	2	x	2	x	4.21	X	0.70	X	0.00	=	0.00	
C1-C3 END WALL	2	x	2	x	4.21	X	0.70	X	0.00	=	0.00	
C3-C2	2	x	2	x	5.15	X	0.70	X	0.00	=	0.00	
C2-C2 M	2	x	1	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	2	x	3	x	1.20	X	1.20	X	0.60	=	5.18
	Column No. C3	2	X	2	x	1.30	X	1.50	X	0.60	=	4.68
	Column No.C2 MIDDLE	2	X	2	x	1.20	X	1.20	X	0.60	=	3.46
	Column No. C4 RS	1	X	3	x	0.00	X	0.00	X	0.60	=	0.00
	Column Platform (CP)	2	X	2	x	1.20	X	1.20	X	0.60	=	3.46
	For Ground Beam PANEL											
	C1-C1 middle	2		2	x	4.21	X	0.70	X	0.00	=	0.00
	C1-C3 END WALL	2	X	2	x	4.21	X	0.70	X	0.00	=	0.00
	C3-C2	2	X	2	x	5.15	X	0.70	X	0.00	=	0.00
	C2-C2 M	2	X	1	x	5.05	X	0.70	X	0.00	=	0.00
										Total	=	16.78
										say	=	17.00
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											Cum
	Column footing											
	Column C1	2	x	3	x	1.20	X	1.20	X	0.00	=	0.00
	Column No. C3	2	X	2	x	1.30	X	1.50	X	0.00	=	0.00
	Column No.C2 MIDDLE	2	X	2	x	1.20	X	1.20	X	0.00	=	0.00
	Column No. C4 RS	1	X	3	x	0.00	X	0.00	X	0.00	=	0.00
	Column Platform (CP)	2	X	2	x	1.20	X	1.20	X	0.00	=	0.00
	For Ground Beam PANEL											
	C1-C1 middle	2	°	2	x	4.21	X	0.70	X	0.00	=	0.00
	C1-C3 END WALL	2	X	2	x	4.21	X	0.70	X	0.00	=	0.00
	C3-C2	2	X	2	x	5.15	X	0.70	X	0.00	=	0.00
	C2-C2 M	2	X	1	x	5.05	X	0.70	X	0.00	=	0.00
										Total	=	0.00
										say	=	1.00
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											Cum
	Column footing											
	Column C1	2	x	3	x	1.20	X	1.20	X	0.50	=	4.32
	Column No. C3	2	X	2	x	1.30	X	1.50	X	0.50	=	3.90
	Column No.C2 MIDDLE	2	X	2	x	1.20	X	1.20	X	0.50	=	2.88
	Column No. C4 RS	1	X	3	x	0.00	X	0.00	X	0.50	=	0.00
	Column Platform (CP)	2	X	2	x	1.20	X	1.20	X	0.50	=	2.88
	For Ground Beam PANEL											
	C1-C1 middle	2	x	2	x	4.21	X	0.70	X	0.00	=	0.00
	C1-C3 END WALL	2	X	2	x	4.21	X	0.70	X	0.00	=	0.00
	C3-C2	2	X	2	x	5.15	X	0.70	X	0.00	=	0.00
	C2-C2 M	2	X	1	x	5.05	X	0.70	X	0.00	=	0.00
										Total	=	13.98
										say	=	14.00

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											Cum
	Column footing											
	Column C1	2	x	3	x	1.20	X	1.20	X	0.00	=	0.00
	Column No. C3	2	X	2	x	1.30	X	1.50	X	0.00	=	0.00
	Column No.C2 MIDDLE	2	X	2	x	1.20	X	1.20	X	0.00	=	0.00
	Column No. C4 RS	1	X	3	x	0.00	X	0.00	X	0.00	=	0.00
	Column Platform (CP)	2	X	2	x	1.20	X	1.20	X	0.00	=	0.00
										Total	=	0.00
										Say	=	1.00
												Cum
7	Excavation for roadway in earth, soil of all sorts, sand, gravel or soft murum including dressing section to the 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.											Cum
	For Wh bldg.	1	X	1	X	17.22	X	15.00	X	0.15	=	38.75
										TOTAL	=	38.75
										SAY	=	39.00
												Cum
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.											Cum
	For Wh bldg.	0	X	1	X	17.22	X	15.00	X	0.30	=	0.00
										TOTAL	=	0.00
										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 with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)											Cum
	Bed concrete in WH.	1	X	1	X	17.22	X	15.00	X	0.10	=	25.83
	Column footing											
	Column C1	2	x	3	x	1.20	X	1.20	X	0.10	=	0.86
	Column No. C3	2	X	2	x	1.30	X	1.50	X	0.10	=	0.78
	Column No.C2 MIDDLE	2	X	2	x	1.20	X	1.20	X	0.10	=	0.58
	Column No. C4 RS	1	X	3	x	0.00	X	0.00	X	0.10	=	0.00
	Column Platform (CP)	2	X	2	x	1.20	X	1.20	X	0.10	=	0.58
	For Ground Beam PANEL											2.80
	C1-C1 middle	2	x	2	x	4.21	X	0.70	X	0.10	=	1.18
	C1-C3 END WALL	2	X	2	x	4.21	X	0.70	X	0.10	=	1.18
	C3-C2	2	X	2	x	5.15	X	0.70	X	0.10	=	1.44
	C2-C2 M	2	X	1	x	5.05	X	0.70	X	0.10	=	0.71
										Total	=	33.13
										say	=	34.00
												Cum
10	Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls including bailing out water manually, striking joints on un exposed faces and watering etc.complete											Cum
	APRON long	0	X	2	X	20.67	X	0.45	X	0.35	=	0.00
	APRON short	0	X	1	X	16.44	X	0.45	X	0.35	=	0.00
	U.C.R. of ramp	0	X	2	X	7.50	X	0.45	X	1.25	=	0.00
										Total	=	0.00
	Provision									say	=	1.00
												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											
	C1-C1 middle	2	X	2	X	3.91	X	0.35	X	1.00	=	5.48
	C1-C3 END WALL	2	X	2	X	3.91	X	0.35	X	1.00	=	5.48
	C3-C2	2	X	2	X	4.85	X	0.35	X	1.00	=	6.79
	C2-C2 M	2	X	1	X	4.75	X	0.35	X	1.00	=	3.33
										Total	=	21.07
										say	=	22.00
												Cum
12	Providing & laying 35 cms wide single layer tarfelt by applying initial coat of shalibond @1kg/sqm fixing in place by wire nails for D.P.C. at plinth as directed by Engineer in charge.											Sqm
	For PANEL In Plinth											
	C1-C1 middle	2	X	2	X	3.91	X	0.35	X		=	5.48
	C1-C3 END WALL	2	X	2	X	3.91	X	0.35	X		=	5.48
	C3-C2	2	X	2	X	4.85	X	0.35	X		=	6.79
	C2-C2 M	2	X	1	X	4.75	X	0.35	X		=	3.33
										Total		21.07
										say		22.00
												Sqm
	TMT Steel											
13	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	11.00										
	Column	16.00				6350.43						6.35
	Beams And Lintels	29.00								Total		6.35
	weathersheds & canopies	1.00								say		7.00
	R.C.C.slab	0.73										
		57.73	x	110								
	Footing											
14	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	2	X	3	x	1.10	X	1.10	X	0.45	=	3.27
	Column No. C3	2	X	2	x	1.20	X	1.40	X	0.45	=	3.02
	Column No.C2 MIDDLE	2	X	2	X	1.10	X	1.10	X	0.45	=	2.18
	Column No. C4 RS	1	X	3	x	0.00	x	0.00	X	0.00	=	0.00
	Column Platform (CP)	2	X	2	x	1.10	X	1.10	X	0.45	=	2.18
										Total		10.65
										say		11.00
												Cum

Column													
15	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	2	X	3	x	0.30	X	0.45	X	2.15	=	1.74	
	Column No.C2	2	X	2	x	0.45	X	0.30	X	2.15	=	1.16	
	Column No. C3	2	X	2	X	0.30	X	0.45	X	2.15	=	1.16	
	Column No.Platform	2	X	2	x	0.45	X	0.30	X	2.15	=	1.16	
	Column near R.S.	1	X	3	x	0.15	X	0.23	X	0.00	=	0.00	5.22
Column above plinth													
	Column C1	2	X	3	x	0.30	X	0.45	X	5.15	=	4.17	
	Column No.C2	2	X	2	x	0.45	X	0.30	X	5.15	=	2.78	
	Column No. C3	2	X	2	X	0.30	X	0.45	X	5.15	=	2.78	
	Column No.Platform	2	X	2	x	0.45	X	0.30	X	0.00	=	0.00	
	Column near R.S.	1	X	3	x	0.15	X	0.23	X	2.50	=	0.26	
										Total		15.22	
										say		16.00	Cum
Beams And Lintels													
16	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, compaction and 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 with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)											Cum	
Ground Beam													
	C1-C1 middle	2	X	2	X	4.21	X	0.35	X	0.60	=	3.54	
	C1-C3 END WALL	2	X	2	X	4.06	X	0.35	X	0.60	=	3.41	
	C3-C2	2	X	2	X	5.00	X	0.35	X	0.60	=	4.20	
	C2-C2 M	2	X	1	X	5.05	X	0.35	X	0.60	=	2.12	
Platform beam													
	PB 1	2	X	1	X	3.61	X	0.30	X	0.45	=	0.98	
	PB2	2	X	1	X	3.61	X	0.30	X	0.45	=	0.98	
	PB3	2	X	2	X	1.20	X	0.30	X	0.30	=	0.43	
	OFFSET	1	X	2	X	3.61	X	0.21	X	0.15	=	0.22	
	OFFSET	2	X	2	X	1.20	X	0.21	X	0.15	=	0.15	
LINTELS													
	OVER V1	2	X	7	X	1.50	X	0.35	X	0.10	=	0.74	
DOOR BEAM													
	C1-C1 middle	2	X	2	X	4.21	X	0.30	X	0.30	=	1.52	
	C1-C3 END WALL	2	X	2	X	4.06	X	0.30	X	0.30	=	1.46	
	C3-C2	2	X	2	X	5.00	X	0.30	X	0.30	=	1.80	
	C2-C2 M	2	X	1	X	4.75	X	0.30	X	0.30	=	0.86	
EAVES BEAM													5.63
	C1-C1 middle	2	X	2	X	4.21	X	0.30	X	0.30	=	1.52	
	C1-C3 END WALL	2	X	2	X	4.06	X	0.30	X	0.30	=	1.46	
	C3-C2	2	X	2	X	5.00	X	0.30	X	0.30	=	1.80	
	C2-C2 M	2	X	1	X	5.05	X	0.30	X	0.30	=	0.91	
AT GABLE													5.69
	C2-C3 @ 1.50 MTR	1	X	2	X	4.50	X	0.30	X	0.30	=	0.81	
	C2-C2 @3.00 MTR	1	X	2	X	0.00	X	0.35	X	0.45	=	0.00	
										Total		28.89	
										say		29.00	Cum

Bed block below V1 ,purlin etc													
20	Providing and laying Cast in situ/Ready Mix cement concrete M-15 of trap/ granite/quartzite/gneiss metal for coping to plinth or parapet, moulded or chamfered as per drawing or as directed including steel centering, plywood/ steel formwork compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.) With fine aggregate (Crushed sand VSI Grade)											Cum	
	Below V1	2	X	7	X	0.60	X	0.35	X	0.08	=	0.22	
										Total		0.22	
										say		1.00	Cum
21	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 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.											Sqm	
	Outside												
	Long wall	1	X	2	X	17.57	X	6.15			=	216.11	
	short wall	1	X	2	X	15.70	X	6.15			=	193.11	
	Gable wall	1	X	2	X	15.70	X	0.95			=	29.83	
	Column offset C1	2	X	3	X	0.22	X	6.15			=	8.12	
	C3 offcet	2	X	2	X	0.22	X	6.15			=	5.41	
	C2 offcet	2	X	2	X	0.22	X	6.15			=	5.41	
	C2 in gable	1	X	2	X	0.22	X	1.50			=	0.66	
	C2 in gable	0	X	2	X	0.22	X	3.00			=	0.00	
	Weather sheds over												
	V1 top, bottom	2	X	7	X	1.55	X	0.65			=	14.11	
	Sides	1	X	7	X	0.45	X	0.08			=	0.24	
	V 2 top, bottom	1	X	14	X	1.10	X	0.67			=	10.32	
	Sides	1	X	14	X	0.45	X	0.08			=	0.47	
										Total		483.31	
	Deduction												
	Rolling shutters	2	X	1	X	2.10	X	2.55			=	10.71	
	V1	0.5	X	7	X	0.60	X	0.60			=	1.26	
	V2	0.5	X	14	X	1.00	X	0.60			=	4.20	
	V3	0.5	x	2	X	1.30	X	0.45			=	0.59	
										Total		16.76	
										Net		466.56	
										Say		467.00	Sqm
22	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.											Sqm	
	Inside												
	Long wall	1	X	2	X	17.57	X	5.15			=	180.97	
	short wall	1	X	2	X	15.70	X	5.15			=	161.71	
	Gable wall	1	X	2	X	15.70	X	0.95			=	29.83	
										Total		372.51	
	Deduction												
	Rolling shutters	2	X	1	X	2.10	X	2.55			=	10.71	
	V1	0.5	X	7	X	0.60	X	0.60			=	1.26	
	V2	0.5	X	14	X	1.00	X	0.60			=	4.20	
	V3	0.5	x	3	X	1.30	X	0.23	X		=	0.45	
										Dedu.		16.62	
										Net		355.89	
										Say		356.00	Sqm

23	Providing internal cement plaster 20mm thick in Single coats in cement mortar 1:4 with neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc.complete.											Sqm
	Plinth											
	Long wall	1	X	2	X	17.57	X	1.00		=	35.14	
	Short wall	1	X	2	X	15.70	X	1.00		=	31.40	
	Platforms Taper side	1	X	1	X	3.61	X	0.30		=	1.08	
	Bottom	1	X	1	X	3.61	X	0.80		=	2.89	
										Total	70.51	
										Say	71.00	Sqm
24	Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to new plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete.											Sqm
	Inside											
	Long wall	1	X	2	X	17.22	X	5.15		=	177.37	
	Short wall	1	X	2	X	15.00	X	5.15		=	154.50	
	Gable	1	X	2	X	15.00	X	1.00		=	30.00	
	Dedu.									Total	361.87	
	Rolling shutters	2	X	1	X	2.10	X	2.55		=	10.71	
	V1	2	X	7	X	1.00	X	0.60		=	8.40	
	V2	1	X	14	X	1.00	X	0.60		=	8.40	
										Total	27.51	
										Net	334.36	
										Say	335.00	Sqm
25	Providing and applying two coats of exterior acrylic emulsion paint conforming 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	2	X	1	X	17.57	X	5.25		=	184.49	
	short wall	2	X	1	X	15.70	X	5.25		=	164.85	
	Gable wall	2	X	0.5	X	15.70	X	1.00		=	15.70	
	Column offset C1	2	X	3	X	0.22	X	6.15		=	8.12	
	C3 offset	2	X	2	X	0.22	X	6.15		=	5.41	
	C2 offset	2	X	2	X	0.22	X	6.15		=	5.41	
										Total	383.98	
	Deduction											
	Rolling shutters	2	X	1	X	2.10	X	2.55		=	10.71	
	V1	0.5	X	7	X	0.60	X	0.60		=	1.26	
	V2	0.5	X	14	X	1.00	X	0.60		=	4.20	
										Dedu.	16.17	
										Net	367.81	
										Say	368.00	Sqm
26	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											
	Long wall	2	X	1	X	17.57	X	1.00		=	35.14	
	Short wall	2	X	1	X	15.70	X	1.00		=	31.40	
	Stack lines											
	Long	2	X	4	X	6.00	X	0.10		=	4.80	
	Short	2	X	4	X	9.00	X	0.10		=	7.20	
										Total	78.54	
										Say	79.00	Sqm

27	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)												Sqm
	Rolling shutters	2	X	1	X	2.10	X	2.55	x	1.00		10.71	
										Total		10.71	
										Say		11.00	Sqm
28	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	1	X	7	X	0.60	X	0.60			=	2.52	
	V2	1	X	14	X	1.00	X	0.60			=	8.40	
	V3 Up Side of Shutter	1	X	2	X	1.30	X	0.45			=	1.17	
										Total		12.09	
										Say		13.00	Sqm
	Steel Work in Angular & Purline												
29	Providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates etc. as per detailed designs and drawings or as directed including cutting, fabricating, hoisting, erecting fixing in position, Making riveted/ bolted/ welded connection and one coat of anticorrosive paint and over it 2 coats of oil painting approved quality and shade etc. complete.												MT
	Total Area Godown												
	Main bldg.	17.57	X		=	275.85	X	25.00			=	6896.23	
		15.70				Sq Area		KG		Total	=	6.90	
										Say	=	7.00	MT
30	Providing and fixing colour coated Zinalume (R) AZ150 (min 150 gms/sq.mt. total on each side) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45 mm Base Metal Thickness (BMT) (0.5 mm TCT), Hi-strength steel with min.550 MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55% aluminium 43.4% zinc 1.6% silicon) with COLORBOND (R) steel quality super durable polyester paint coat (with inorganic pigment). The paint shall have a total coating thickness of nominal 35 um, comprising of nominal 25 um exterior coat on top surface and nominal 10 um reverse coat on back surface. Profile sheet shall have nom. 950-1050 mm effective cover width and nominal 25-30 mm deep ribs with subtle square fluting in the five pan at nominal 180-250 mm centerto-center. The end rib shall be designed for anti-capillary groove. and return leg.The feed material should have coil manufacturers product details marked a regular interval. Including fasteners with min. fastened with min. 25 um Zinc-Tin alloy coated, Hex head, self-drilling screw etc. complete. (weight of profile 4.52 Kilogram/Square Metre)												Sqm
	Main bldg.	1	X	2	X	17.57	X	8.15			=	286.39	
	Platform	1	X	2	X	4.50	X	1.80			=	16.20	
										Total		302.59	
										Say		302.59	Sqm

31	Providing and fixing of colour Zinalume (R) AZ150 (Min150gms/Sq.mt. total on each sides) profiled sheets for Ridges. The feed material is manufactured out of nominal 0.45mm Base Metal Thickness (BMT) (0.5mmTCT), Hi- strength steel with min 550 MP a yield strength, metallic hot dip coated with Aluminum-Zinc alloy (55% aluminium 43.4 % zinc 1.6 % silicon) with COLORBOND (R) steel quality super durable polyester paint coat (with inorganic pigment). The paint shall have a total coating thickness of nominal 35 um, comprising of nominal 25 um exterior coat on top surface & nominal 10 um reverse coat on back surfaces. Profile sheet shall have nom 950-1050 mm effective cover width & nominal 25-30 mm dip ribs with suitable square fluting in the 5 pan @ nominal 180-250 mm c/c. The end rib shall be designed for anticapillary groove & return leg. The feed material should have coil manufacturers product details marked at regular interval. including fasteners with minimum fastened with minimum 25 um Zink- tin alloy coated, hex headed, self drilling screw etc. complete. [As directed by Engineer in charge]. (D.S.R.33 A /71) (For 0.60 m wide Ridge)												Rum	
	Main bldg.	1	X	1	X	18.07	X	1.00				=	18.07	
												Total	18.07	
												Say	18.10	Rum
32	Providing and fixing wind opparated tarbo S S. ventiletar system (24 inch dia.) over exsiting roof including cutting of sheet ,propar fixing in position to true line & level with all fixtures & fastning, providing 0.8mm thick FRP sheet for covering area between roof and fan so as to provide waterfoof joints with approved water proffing compound making good the roof surface including cleaning etc. complete (General application for all types of roofs for ventilation & day light parpose at terrace [As directed by Engineer in charge]. [Jalgaon D.S.R.304 /123)												Nos	
	For WH Bldg	2	x	4	x	1.00	x	1.00				1.00	8.00	
												Total	= 8.00	
												say	= 8.00	Nos
33	Providing & constructing parapet coping of size 35 x 35 cms in cement mortar 1:4 with conical top and side drops and round finish at A.C. sheet joints including finishing the whole with 20 mm thick cement plaster 1:4 with cement finish 1:1 parapet coping												RMT	
		2	X	2	X	8.15						=	32.60	
												Total	32.60	
												Say	32.60	RMT
34	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	17.22	X	15.00	X	0.30		=	77.49	
	item no 3	17.00				2.80				14.20				
	item no 5	14.00				16.22				-2.22				
	Qty received from excavation									Total			77.49	
										Say			78.00	Cum
35	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	16.62	X	14.40	X	0.60		=	143.60	
	Apron													
												Total	143.60	
												Say	144.00	Cum
36	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	3	X	16.62	X	14.40				=	717.98	
												Total	717.98	
												Say	718.00	Sqm

37	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	16.62	X	14.40	X	0.40	=	95.73
	Main bldg. Inner Periferi	1	X	1	X	17.22	X	0.60	X	0.20	=	2.07
		1	X	1	X	14.40	X	0.60	X	0.20	=	1.73
										Total		99.53
										Say		100.00
												Cum
38	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	2	X	16.62	X	14.40			=	478.66
										Total		478.66
										Say		479.00
												Sqm
39	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.											Sqm
	Main bldg.	1	X	1	X	17.22	X	15.00	X	1.00	=	258.30
										Total		258.30
										Say		259.00
												Sqm
40	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	17.22	X	15.00			=	1.00
	Provision									Total		1.00
										Say		1.00
												Sqm
41	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											MT
	For Platforms	2	X	2	X	6.01	X	16.80	Kg/M.		=	404.01
	@ 12.10 kg/m											
	Holdfasts 20 mm dia	4	X	12	X	0.50	X	2.50	Kg/M.		=	60.00
	@ 2.50 kg/m											
	L50x50x6 mm for fire bucket.										=	25.00
	@ 4.50 kg/m									Total		0.49
										Say		0.49
												MT
42	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											RMT
	Provision	1	X	1	X	10.00					=	10.00
										Total		10.00
										Say		10.00
												RMT
43	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)weldedor clamped to G.I .pipe pole Bgrade 50 mm dia of requiredl ength 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 cadmiumpl at ed nut bolt sto fixe arthing strip burried inspecially 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 omcpete Note-Copper strip fropmlighting conductor is not considered in this item.											Nos
	For Main Bldg.	1	X	1	X	1.00					=	1.00
	Provision									Total		1.00
										Say		1.00
												Nos

44	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										Cum	
									Total	50.00		
									Say	50.00	Cum	
45	Conveying the materials obtained from excavation including laying in layers, breaking clods, dressing to the required lines, curves, grades and section for all leads & lifts from the site of excavation to the site of deposition away from building as directed engineer in charge.										Cum	
	AS per Item No 1 Excavation	49.00								25.00		
									Total	25.00		
									Say	25.00	Cum	
46	Providing pre-constructional 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 Hephoclore per square meter of surface										Sqm	
	Main Bldg.	1	X	1	X	17.57	X	15.00		=	264.55	
									Total	=	264.55	
									Say	=	265.00	Sqm
47	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.										Sqm	
	V1	1	X	7	X	0.60	X	0.60		=	2.52	
	V2	1	X	14	X	1.00	X	0.60		=	8.40	
	V3 Up Side of Shutter	1	X	2	X	1.30	X	0.45		=	1.17	
									Total		12.09	
									Say		13.00	Sqm


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4. ROYALTY SHEET

CHANDANKHEDA FARMER PRODUCER COMPANY

PROCESSING SHED 171 SQM

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CHANDANKHEDA FARMERS PROUCER CO. LTD.								
AT POST CHANDANKHEDA,TAL- BHADRAVATI , DIST- CHANDRAPUR.								
NAME OF WORK :- PROPOSED CONSTRUCTION OF 171 SQM PROCESSING SHED BLDG WITH ANCILLARY WORKS								
Sr. No	Royalty Particular	Requar Quantity in Cum	Requar Quantity in Brass	Royalty	Surcharge	Distt. Mineral Foundat ion Cess	Royalty Charges @ Rs SAND&144.160 Oth,Min	
			2.83		2%	10%	237.18	
1	SAND	59.06	20.87	211.95	4.24	21.20	237.384	14020.73
2	METAL Hand broken	132.00	46.64	211.95	4.24		216.189	28536.95
3	MURUM	172.80	61.06	211.95	4.24		216.189	37357.46
4	RUBBLE	0.00	0.00	211.95	4.24		216.189	0.00
					Total Amount Rs.		79915.14	
					Say	Rs.	79916.00	


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5. LABORATORY TESTING SHEET

CHANDANKHEDA FARMER PRODUCER COMPANY

PROCESSING SHED 171 SQM

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CHANDANKHEDA FARMERS PROUCER CO. LTD.

AT POST CHANDANKHEDA, TAL- BHADRAVATI , DIST- CHANDRAPUR.

Sub work IV:- Material Lab Testing charges

NAME OF WORK :- PROPOSED CONSTRUCTION OF 171 SQM PROCESSING SHED BLDG WITH ANCILLARY WORKS

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	1025	MT	Fineness, Consistency, Setting Time, Compressive strength, Specific gravity.	1	7540	15080	one tesr per 1000 Bag
2	Concrete M-20	58.00	cum	i) Mix Design with all tests on basic materials	0	-	---	One set for mix design
				ii) Concrete cube compressive strength	4	1380	11040	Up to 50 Cum 4 & thereafter for each 50 Cum one additional set
3	Bricks	79	cum	Water Absorption (Set of 5 Bricks), Compressive strength (Set of 5 Bricks), Efflorescence (Set of 5 Bricks)	1	1900	3800	one test per 50000 Nos. of bricks
6	Sand	59.06	cum	Fineness Modulus, silt content.	1	1950	3900	1 test per source
7	Murum	172.80	cum	i) Gradation	1	600	1200	1 test per 400 Cum.
				ii) Atterberg Limit	0	1100	0	1 test per 400 Cum.
				iii) Moisture content prior to compaction	0	800	0	1 test per 400 Cum.
				iv) Density of compacted layer	0	1000	0	1 test per 1000 Sq.m
				v) Proctor Test	0	1650	0	1 test per 3000 Cum.
TOTAL							35020	


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6. RA SHEET


CHANDANKHEDA FARMER PRODUCER COMPANY

PROCESSING SHED 171 SQM

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CHANDANKHEDA FARMERS PROUCER CO. LTD.								
AT POST CHANDANKHEDA,TAL- BHADRAVATI , DIST- CHANDRAPUR.								
NAME OF WORK :- PROPOSED CONSTRUCTION OF 171 SQM PROCESSING SHED BLDG WITH ANCILLARY WORKS								
R A Sheet								
Item No								
35.00	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	288.00	288.00				
	2 - Lead Charges	3.00	192.42	192.42				
	3 - Spreading charges 9	0.00	49.00	0.00				
	Total Rs			480.42				
	4 - For compaction 20 % OF H.M.cost							
	Grand total Rs.			480.42				
	Deduction for stacking charges							
	I N 3/255	1.20	0.00	0.00				
	Net Rs			480.42				
	Therefore rate per cu m will be say Rs			480.42				
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							
37.00	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				
	2 - Lead Charges	10.00	287.34	287.34				
	3 - Spreading charges	0.00	49.00	0.00				
	Total Rs			1172.34				
	4 - Add for compaction 15 %			0.00				
	Grand Total Rs.			1172.34				
	Deduction for stacking charges							
	2./255	1.32	0.00	0.00				
	Net Rs			1172.34				
	Therefore rate per cu m will be say Rs			1172.34	762.02			
	Consider 1.00 cu m quantity of 40 mm O.S.metal							
	1 - Basic rate	1.00	885.00	885.00				
	lead charges-	1.00	287.34	287.34				
	3 - Spreading charges	0.00	49.00	0.00				
	Total Rs			1172.34				
	4 - Add for compaction 15 %			175.85				
	Grand Total Rs.			1348.19				
	Deduction for stacking charges							
	2./255	1.32	0.00	0.00				
	Net Rs			1348.19				
	Therefore rate per cu m will be say Rs			1348.19	471.87			
					1233.89			
	Say Rs				1233.89			
Item No	Providing treatment of TREMIX vaccum dewatering over prelaid cement concrete 1:2:4							
40.00	Laying charges for form work, running vibrator,							
	laying suction matt, dewatering etc.							
	Consider 1.0 sq m area							


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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 pfit	10 %		0.00			

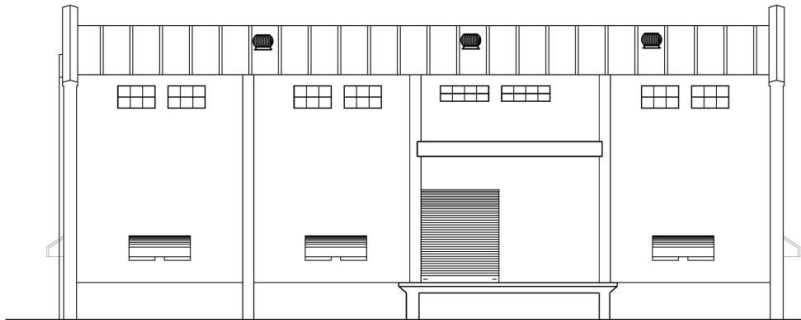

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7. DRAWING SHEET

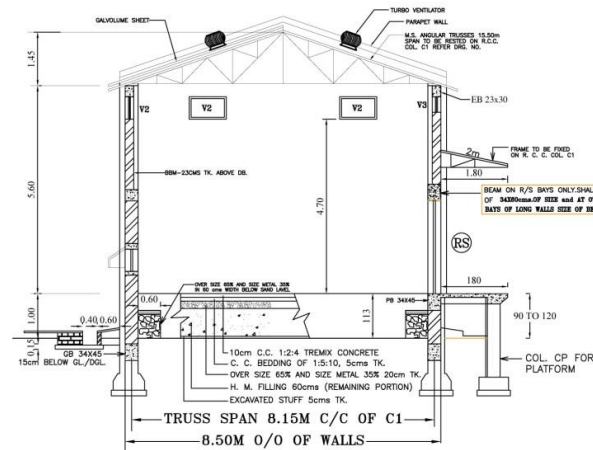
CHANDANKHEDA FARMER PRODUCER COMPANY

PROCESSING SHED 171 SQM

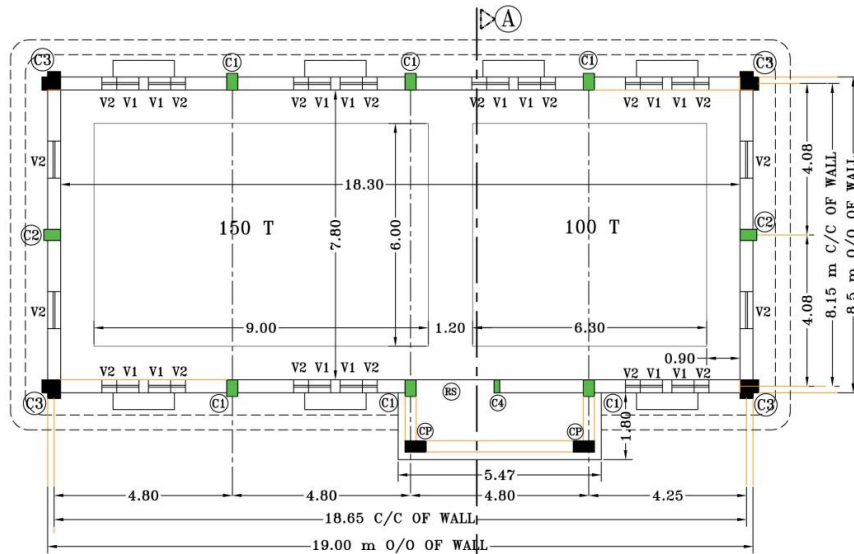
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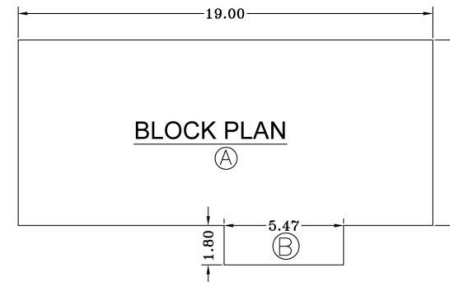
ELEVATION



SECTION 'A'-A'



PLAN



BLOCK PLAN

BUILT UP AREA CALCULATIONS

BUILDING SIZE	[PROPOSED]	SQ. M.
MAIN BUILDING :	Ⓐ	
19.00m X 8.50m	=	161.50
PLATFORMS :	Ⓑ	
1 NO X5.47m X 1.80m	=	009.84
TOTAL B / UP=		171.34 sq. m.

SCHEDULE OF ROLLING SHUTTERS/VENTILATORS			
TYPE	SIZE (IN CMS)	NO.	DISCRPTION
RS	210 X 250	1	PULL & PUSH TYPE FIXED FROM INSIDE STEEL ROLLING SHUTTER REF-SPECIFICATION
V1	60 X 60	12	STEEL VENTILATORS FULLY GLAZED WITH SHUTTERS(BOX HINGES) 6mm SQ. MESH 18 SWG. TO BE FIXED BY 19mmX3mm M.S. FLAT & 12mm SQ. BARS (7 NOS.) IN VERTICLE POSITION @ 10cms C/C FIXED TO FRAME FROM OUTSIDE.
V2	100 X 60	16	-----do-----
V3	130 X 45	2	-----do-----
TURBO VENTILATOR		6	

SCHEDULE OF R. C. C. COLUMNS.			
TYPE	SIZE	NO.	REMARKS
C1	30 X 50	6	@ LONG WALLS
C2	30 X 50	2	@ GABLE WALLS
C3	34 X 50	4	@ GABLE WALLS
C4 @SHUTTER	15 X 34	1	TO BE POSTED ON DB @ RS PANNELS
CP	57 X 30	2	FOR PLATFORMS BELOW BEAM.

**DETAILS OF 171.34 SQM
PROCESSING SHED
WITH 8.15m SPAN, UNIT NO.**

**AT : CHANDANKHEDA
DIST:- CHANDRAPUR M.S.**

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मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन
(स्मार्ट) प्रकल्प

Prepared By : Madhusudhan Dadaji Tiple, Business Consultant, 93074 68451