

GHRUSHNESHWAR SHETKARI AGRO PRODUCER COMPANY LIMITED.
A/p-Palawadi, Tal- Khultabad, Dist- Aurangabad.

RECAPULATION SHEET
FINAL

NAME OF WORK : PROPOSED CONSTRUCTION OF 250 MT Cap WH BLDG (Collection Cum Transit Storage) & Drying Yard, A/p-Palawadi, Tal- Khultabad, Dist- Aurangabad.

Based on E D & R -2020-21

250

PARTICULARS	UNIT	Unit	AMOUNT	Cost per MT
Sub Work I :-Const. of 250 MT wh blk	250.00	MT	Rs 2860427	11442 Cost per MT
Sub Work No:-II :- Drying Yard	504.00	sq m	Rs 445084	
Sub Work III :- ELECTRIFICATION	250	MT	Rs 42165	169 Cost per MT
Sub Work IV :- Roylty Charges			Rs 44447	
TOTAL COST			Rs 3392123	13568 Cost per MT
Add GST 18%	18%		Rs 610582	
Add Insurance	0.5%		Rs 16961	
Grand Total			Rs <u>4019665</u>	16079 Cost per MT

Lawar



State of Maharashtra's Agribusiness and Rural Transformation (SMART) Project

[Signature]

General Manager (Engg) -
Maharashtra State Water Saving Corporation
583/B Market Yard, Gultwad, Pune-43

GHRUSHNESHWAR SHETKARI AGRO PRODUCER COMPANY LIMITED,
 A/p-Palawaswadi, Tal-Khullabad, Dist-Aurangabad.

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Based on E.D.S.R - 2020-21

S.N.	LEADS & RATES OF MATERIALS	MATERIAL & LOCATION	UNIT	LEADS		CHARGES		LEAD		Pay load Factor
				KM	ACTUAL	INITIAL	DIFF			
1	SAND		CUM	45.00	683.54	0.00	683.54	1.00		
2	METAL UPTO 40MM crushed		CUM	10.00	290.67	0.00	290.67	1.00		
3	METAL ABOVE 40 MM Road		CUM	10.00	278.56	0.00	278.56	1.00		
4	RUBBLE		CUM	10.00	355.61	0.00	355.61	1.00		
5	BRICKS (475 bricks per Cum)		Cum	10.00	652.61	0.00	652.61	1.00		
6	HARD MURUM/Soft Murum		CUM	5.00	215.51	0.00	215.51	1.00		
7	Royalty		1	0						
8	Cement		MT	5	0.00	0.00	0.00	0.00		
9	Steel		MT	5	0.00	0.00	0.00	0.00		
Based on E.D.S.R - 2020-21										
1	C.C. M-10 for foundation & bedding		SAND	0.47	683.54		321.26			
			METAL	0.94	290.67		273.23			
			Cement	2.52	0.00		0.00			
2	P & C.U.C.R masonry		SAND	0.4	683.54		273.42			
			RUBBLE	1.25	355.61		444.51			
			Cement	1.78	0.00		0.00			
3	P & C.B.B masonry in plinth & S.S		SAND	0.3	683.54		205.06			
			BRICKS	0.475	652.61		309.99			
			Cement	1.44	0.00		0.00			
4	P & L.R.C.C (M-20) M-20		SAND	0.425	683.54		290.50			
			METAL	0.85	290.67		247.07			
			Cement	6.9	0.00		0.00			
4-A	P & L.R.C.C M-15		SAND	0.44	683.54		300.76			
			METAL	0.88	290.67		255.79			
			Cement	5.9	0.00		0.00			
5	P & A 25mm tk plaster		SAND	0.024	683.54		16.40			
			METAL	0.22	290.67		63.95			
			Cement	0.024	683.54		16.40			
6	P & A 20mm tk plaster		SAND	0.11	683.54		75.19			
			METAL	0.11	290.67		31.97			
			Cement	0.024	683.54		16.40			
7	P & F plashed sh... of walls & dado		SAND	0.024	683.54		16.40			
			METAL	0.14	290.67		40.69			
			Cement	0.024	683.54		16.40			

The centre under MIDC area
 Hence percentage required to
 BLDG.WORKS 0.00%
 SERVICE CHARGES 0.00%
 Labour cess 0.00%
 TOTAL: 0.00



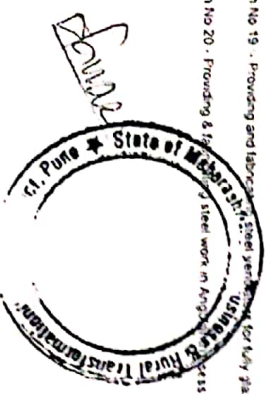
State of Maharashtra's Agribusiness and
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GHRUSHNESHVAR SHETKARI AGRO PRODUCER COMPANY LIMITED.
A/P-Palawadi, Tal. Khulabhad, Dist. Aurangabad.

Sub Work I - Const. of 250 MT wh. bldg.

LN.	DESCRIPTION OF ITEM	QTY.	UNIT	LN/P/N	BASIC RATE	Ded For SCAIDA -0.05	LEAD CHARGES SAND HM	METAL BRICKS	FTS & RA	TOTAL	ADD % CHARGES 0.050	TOTAL OF ADD % RATES FOR CHARGES 0.050	TOTAL OF ADD % RATES 0.050	AMOUNT	
1	Item No 1 - Excavation for foundation in earth soil of all types sand grav.	63.00	cu m	21.02/148	182.00					182.00		182.00	0.00	182.00	11455
2	Item No 2 - Excavation for foundation in hard murum, depth upto 1.50	13.00	cu m	21.06/148	200.00					200.00		200.00	0.00	200.00	2600
3	Item No 3 - Providing & laying in situ cement concrete trap mesh (1.5	18.00	cu m	24.01/169	5449.00	-272.45	321.26			5497.81		5497.81	0.00	5497.81	99261
4	Item No 4 - Providing II class B B masonry with conventional I S Br.	21.00	cu m	27.01/189	6663.00		205.05	309.99		7178.05		7178.05	0.00	7178.05	150739
5	Item No 5 - Providing & fixing in position TOR Bar reinforcement of var.	4.80	MT	26.33/182	65117.00					65117.00		65117.00	0.00	65117.00	312552
6	Item No 6 - Providing & laying in situ cement concrete M:200' trap mesh.	12.24	cu m	25.11/172	6440.00	-322.00	230.50			6408.50		6408.50	0.00	6408.50	78434
7	Item No 7 - Providing & laying in situ cement concrete M:20 of trap mesh	15.00	cu m	25.31/173	12528.00	-628.40	230.50			12192.10		12192.10	0.00	12192.10	182892
8	Item No 8 - Providing & laying in situ cement concrete M:20 of trap mesh	28.00	cu m	25.50/175	11104.00	-555.20	230.50			10839.30		10839.30	0.00	10839.30	203500
9	Item No 9 - Providing & laying in situ cement concrete M:20 of trap mesh	2.00	cu m	25.70/176	12448.00	-622.45	230.50			12117.05		12117.05	0.00	12117.05	24234
10	Item No 10 - Providing II class B B masonry with conventional I S Br.	74.00	cu m	27.05/189	6974.00		205.05	309.99		7389.05		7389.05	0.00	7389.05	546790
11	Item No 11 - Providing cement plaster 25mm thick in C.M. 1 & outside	468.00	sq m	32.11/201	599.00		16.40			615.40		615.40	0.00	615.40	289007
12	Item No 12 - Providing cement plaster 20mm thick in C.M. 1 & inside	257.00	sq m	32.07/201	424.00		16.40			440.40		440.40	0.00	440.40	113183
13	Item No 13 - Providing cement plaster 20 mm thick in C.M. 1 & with 1.5"	67.00	sq m	32.07/201	432.00		16.40			448.40		448.40	0.00	448.40	30043
14	Item No 14 - Providing cement plaster 12 mm thick in C.M. 1.3 (treasure	1.00	sq m	32.04/201	264.00		16.40			280.40		280.40	0.00	280.40	260
15	Item No 15 - Providing & applying waterproof three coats on plastered c	300.00	sq m	36.02/218	17.00					17.00		17.00	0.00	17.00	5100
16	Item No 16 - Providing & applying waterproof cement plaster three coats	419.00	sq m	36.03	95.00					95.00		95.00	0.00	95.00	39659
17	Item No 17 - Providing & applying expanding in three coats of approved	1.00	sq m	35.12/216	127.00					127.00		127.00	0.00	127.00	127
18	Item No 18 - Providing & fixing steel rolling shutter fabricated in m 20 ga	5.40	sqm	RA	4082.74					4082.74		4082.74	0.00	4082.74	22047
19	Item No 19 - Providing and labor for 25mm thick steel mesh for fully glazed a	19.20	sqm	RA	4317.76					4317.76		4317.76	0.00	4317.76	82901
20	Item No 20 - Providing & fixing steel work in Ang	2.10	MT	23.04/167	91824.00					91824.00		91824.00	0.00	91824.00	192330



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LN	DESCRIPTION OF ITEM	QUANTITY	UNIT	LN/P.N	BASIC RATE	Ded For SCAFF. -0.05	SAND HM	LIFTS & METAL RUBBLE	TOTAL	O.C. Charges 0.00	RATES FOR 6 TO 11 CHARGES 0.00	TOTAL OF RATES 6 TO 11	AMOUNT
21	Item No 21 - Providing & fixing in position Zcolum sheet for roofing work	180.00	sqm	39.34/227	1042.00				1042.00	0.00	1942.00	187.60	
22	Item No 22 - Providing and fixing of colour Zincalume (R) AZ150 (Min)	11.40	Sqm	38.35/228	668.00				668.00	0.00	668.00	76.15	
23	Item No 23 - Filling in punch with approved excavated stuff obtained for	10.00	cum	21.36/152	119.00				119.00	0.00	119.00	11.90	
24	Item No 24 - Providing Hard Murum cohesive non-swelling materials in f	31.78	cum	RA	780.05				780.05	0.00	780.05	24.95	
25	Item No 25 - Providing & laying stone metal layer of 20 cm thickness wll	29.09	cum	21.40/152	1105.00				1105.00	0.00	1105.00	32.16	
26	Item No 26 - Providing and laying in situ cement concrete M20 with tremi	152.00	sqm	33.30/208	710.00				710.00	0.00	710.00	1978.20	
27	Item No 27 - Providing & fixing ISMC 150 with weight @ 16.60 Kgs/Rmt	1.00	Kgs	RA	345.97				345.97	0.00	345.97	345	
28	Item No 28 - Providing pre-constructural Anti-termite treatment as per I	152.00	Sq.M	21.24/150	87.00				87.00	0.00	87.00	132.4	

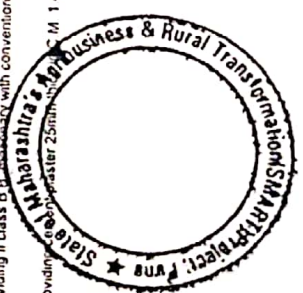
TOTAL RS 2350427

Sub Work No-II :- Drying Yard

LN	DESCRIPTION OF ITEM	QUANTITY	UNIT	LN/P.N	BASIC RATE	Ded For SCAFF. -0.05	SAND HM	LIFTS & METAL RUBBLE	TOTAL	O.C. Charges 0.00	RATES FOR 6 TO 11 CHARGES 0.00	TOTAL OF RATES 6 TO 11	AMOUNT
1	Item No 1 - Excavation for Drying Area in earth soil of all type sand grc	88.00	cu m	5 2.11/27	85.00				85.00	12	13	15	16
2	Item No. 2 - Excavation for Drying Area in hard murum dressing secti	63.00	cu m	2.13/27	94.00				94.00	0.00	94.00	5922	
3	Item No 3 - Providing & laying stone metal layer of 20 cm thickness wll	38.00	cu m	21.40/152	1105.00				1105.00	0.00	1105.00	41990	
4	Item No 4 - Supplying hard murum all the road side including conveying	38.00	cu m	2.28/29	321.00				321.00	0.00	321.00	12138	
5	Item No 5 - Supplying soft murum at the road side including conveying /	38.00	cu m	2.29/29	318.00				318.00	0.00	318.00	12084	
6	Item No. 6 - Spreading hardmurum at the road side including conveying	38.00	cu m	2.30/29	72.00				72.00	0.00	72.00	2736	
7	Item No 7 - Spreading soft murum over size metal as blindage as direc	38.00	cu m	2.30/29	72.00				72.00	0.00	72.00	2736	
8	Item No 8 - Spreading Soling of trap stone metal including sectioning &	38.00	cu m	2.30/29	72.00				72.00	0.00	72.00	2736	
9	Item No 9 - Compacting oversize metal layer with H.M. with power rolli	504.00	cu m	50.61/334	25.00				25.00	0.00	25.00	12600	
10	Item No 10 - Providing & laying in situ cement concrete M-10 of trap me	19.00	cu m	24.01/169	5449.00	-272.45	321.26		5497.81	0.00	5497.81	104453	
11	Item No 11 - Providing and laying in situ cement concrete M30 with tremi	126.00	Sqm	33.31/208	1318.00	-65.90			1252.10	0.00	1252.10	157765	
12	Item No 12 - Providing II class B.B. with conventional / I S. lyl	11.00	Cum	27.01/169	6663.00		201.89	176.74	7041.63	0.00	7041.63	77453	
13	Item No 13 - Providing Master 25mm M 14 outside I	8.00	Sqm	32.11/201	599.00		16.15		615.15	0.00	615.15	4821	

TOTAL RS 445084

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CAPACITY SIZE	OUTER	INNER	1 X	19.00	X	8.50	161.50
			1 X	18.65	X	7.80	145.47
LONG WALLS		2					
SHORT WALLS		2					
FOUNDATION DEPTHS							Av. Depth
EARTH SOIL 0 TO 1.50							1.50
EARTH SOIL 1.50 to 3.00							0.30
EARTH SOIL 3.00 to 5.00							0.00
H.M.							0.30
H.M. & BOULDER							0.00
SOFT ROCK							0.00
HARD ROCK							0.00
						TOTAL	2.10
CUTTING IN PLINTH							0.15

Note1:- The actual Trial Pit has not been taken at site due to urgency of work & strata is assumed as per vision at site

Ex. Column Footings

Column C1	1	X	6	X	1.65	X	1.45
Column No. C3	1	X	4	X	1.8	X	1.8
Column No. C2 END	1	X	2	X	1.65	X	1.45
Column No. C2 MIDDLE	0	X	0	X	1.75	X	1.55
Column No. C4	1	X	1	X	1.30	X	1.30
Column Platform	1	X	2	X	1.30	X	1.30

Ex. Ground Beam PANEL

C1-C1 middle	1	X	4	X	4.8	X	0.65
C1-C1 middle end	0	X	0	X	0.63	X	0.65
C1-C3 END WALL	1	X	4	X	4.8	X	0.65
C3-C2	1	X	4	X	4.08	X	0.65
C2-C2 E	0	X	0	X	2.59	X	0.65
Platform beam	1	X	2	X	1.08	X	0.65

Column Nos. & Size

Column C1	1	X	6	X	0.30	X	0.50	X	5.15
Column No. C2	1	X	2	X	0.30	X	0.50	X	5.15
Column No. C3	1	X	4	X	0.35	X	0.50	X	5.15
Column No. C4	0	X	0	X	0.15	X	0.35	X	5.15
Column No. Platform	1	X	2	X	0.57	X	0.30		
Column near R.S.	0	X	0	X	0.15	X	0.35	X	2.50
Col. near R.S. mechanical gear	1	X	1	X	0.15	X	0.35	X	4.00

PCC, Tarfelt, BBM, BEAMS

PANELS

C1-C1 middle	1	X	4	X	4.65	X	0.35
C1-C1 middle end	0	X	0	X	1.175	X	0.35
C1-C3 END WALL	1	X	4	X	3.82	X	0.35
C3-C2	1	X	4	X	4.09	X	0.35
C2-C2 E	0	X	2	X	4.04	X	0.35
C2-C2 M	1	X	1	X	4.09	X	0.35

Rolling shutters

V1	2	X	7	X	0.60		X	2.55
V2	2	X	9	X	1.00		X	0.60
V3	0	X	0	X	1.30		X	0.45
V2 in cable	0	X	0	X	1.00		X	0.60

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NAME OF WORK : PROPOSED CONSTRUCTION OF 250 MT Cap WH BLDG (Collection Cum Transit Storage) & Drying Yard. A/p-Palawadi, Tal- Khultabad, Dist- Aurangabad.



MEASUREMENT SHEET

Item Nos & Description of Items	N.O.S	LENGTH	BREDTH	DEPTH/ HIGHT	TOTAL QUANTIT	Unit
Civil work [W H BUILDING 1/250 M T (Collection Cum Transit storage)]						

Sub Work I :- Const. of 250 MT wh bldg.

1 Item No 1 :- Excavation for foundation in earth soil of all types sand, gravel & soft murum, depth upto 1.50 meters including removing the excavated stuff upto a distance of 50 meters beyond the bldg. area all lifts stacking or spreading as directed, cum

Column footing						
Column C1						
Column No. C3	1	X	6	X	1.65	X 1.45 X 1.50 = 21.53
Column No. C2 END	1	X	4	X	1.80	X 1.80 X 1.50 = 19.44
Column No. C2 MIDDLE	1	X	2	X	1.65	X 1.45 X 1.50 = 7.18
Column No. C3 EXP	0	X	0	X	1.75	X 1.55 X 1.50 = 0.00
Column No. Platform	1	X	0	X	1.30	X 1.30 X 1.50 = 0.00
For in Plinth B B M Wall (GL To Plinth)	1	X	2	X	1.30	X 1.30 X 1.50 = 5.07
C1-C1 middle	1	X	4	X	3.2	X 0.65 X 0.30 = 2.50
C1-C1 middle end	0	X	0	X	0.63	X 0.65 X 0.30 = 0.00
C1-C3 END WALL	1	X	4	X	4.8	X 0.65 X 0.30 = 3.74
C3-C2	1	X	4	X	4.08	X 0.65 X 0.30 = 3.18
C2-C2 E	0	X	0	X	2.59	X 0.65 X 0.30 = 0.00
C2-C2 M	1	X	1	X	1.08	X 0.65 X 0.30 = 0.21
						Total 62.85
						say 63.00

2 Item No 2 :- Excavation for foundation in hard murum, depth upto 1.50 meters including removing the cum excavated stuff upto a distance of 50 meters beyond the bldg. area all lifts stacking or spreading as directed, dewatering, shoring, strutting if nec cum

Column footing						
Column C1						
Column No. C3	1	X	6	X	1.65	X 1.45 X 0.30 = 4.31
Column No. C2 END	1	X	4	X	1.8	X 1.8 X 0.30 = 3.89
Column No. C2 MIDDLE	1	X	2	X	1.65	X 1.45 X 0.30 = 1.44
Column No. C3 EXP	0	X	0	X	1.75	X 1.55 X 0.30 = 0.00
Column No. Platform	1	X	1	X	2.75	X 2.75 X 0.30 = 2.27
For Ground Beam PANEL	1	X	2	X	1.30	X 1.30 X 0.30 = 1.01
C1-C1 middle	0					= 0.00
C1-C1 middle end	2	X	13	X	3.61	X 0.65 X 0.00 = 0.00
C1-C3 END WALL	2	X	2	X	2.52	X 0.65 X 0.00 = 0.00
C3-C2	2	X	2	X	2.65	X 0.65 X 0.00 = 0.00
C2-C2 E	2	X	2	X	2.44	X 0.65 X 0.00 = 0.00
C2-C2 M	2	X	2	X	2.54	X 0.65 X 0.00 = 0.00
APRON long	2	X	1	X	2.54	X 0.65 X 0.00 = 0.00
APRON short	1	X	2	X	85.98	X 1.28 X 0.00 = 0.00
	1	X	2	X	22.74	X 1.28 X 0.00 = 0.00
						Total = 12.91
						say = 13.00

3 Item No 3:- Providing & laying in situ cement concrete trap metal (1 : 5 : 10) for foundation & bedding including dewatering if necessary, compacting, curing etc. complete. [Bd. E.1 /287] cum

Bed concrete In WH.	1	X	1	X	18.65	X 7.80 X 0.08 = 10.91
Column footing						
Column C1						
Column No. C3	1	X	6	X	1.65	X 1.45 X 0.10 = 1.44
Column No. C2 END	1	X	4	X	1.8	X 1.8 X 0.10 = 1.30
Column No. C2 MIDDLE	1	X	2	X	1.65	X 1.45 X 0.10 = 0.48
Column No. C3 EXP	0	X	0	X	1.75	X 1.55 X 0.10 = 0.00
Column No Platform	1	X	1	X	1.30	X 1.30 X 0.10 = 0.17
dummy column C3 expan.	1	X	2	X	1.30	X 1.30 X 0.10 = 0.34
	0	X	0	X	0.35	X 0.60 X 0.10 = 0.00
For in Plinth B B M Wall (GL To Plinth)						
C1-C1 middle	1	X	4	X	4.65	X 0.65 X 0.08 = 0.91
C1-C1 middle end	0	X	0	X	1.175	X 0.65 X 0.00 = 0.00
C1-C3 END WALL	1	X	4	X	3.82	X 0.65 X 0.08 = 0.74
C3-C2	1	X	4	X	4.09	X 0.65 X 0.08 = 0.80
C2-C2 E	1	X	0	X	4.04	X 0.65 X 0.08 = 0.00



State of Maharashtra

C2-C2 M

1 X 1 X 4.09 X 0.65 X 0.08 = 0.20

Total = 17.28
say = 18.00

- 4 Item No.4 :- Providing II class B.B. masonry with conventional / I. S. type bricks in cement mortar (1 : 6) in cum foundation and plinth including dewatering; striking joints on exposed faces and curing etc. complete. (Bd. G. 1/313)

For Plinth

C1-C1 middle	1	X	4	X	4.65	X	0.35	0	1.10	=	7.16
C1-C1 middle end	0	X	0	X	1.175	X	0.35	0	1.10	=	0.00
C1-C3 END WALL	1	X	4	X	3.82	X	0.35	0	1.10	=	5.88
C3-C2	1	X	4	X	4.09	X	0.35	0	1.10	=	6.30
C2-C2 E	0	X	0	X	4.04	X	0.35	0	1.10	=	0.00
C2-C2 M	1	X	1	X	4.09	X	0.35	0	1.10	=	1.57
										Total	20.92
										say	21.00

- 5 Item No 5 :- Providing & fixing in position TOR bar reinforcement of various diameters for R.C.C. foundations footings, columns, beams, lintels, weathersheds, canopy drops etc as per detailed design, drawing & schedule including cu MT

57.24 4865.3 Total 4.87
say 4.80

- 6 Item No 6 :- Providing & laying in situ cement concrete M-20 of trap metal for R.C.C. work in footings of columns cum including dewatering if necessary, formwork, compaction, finishing curing etc. complete. (Excluding reinforcement) [Bd.F.2/297]

Column footing

Column C1	1	X	6	X	1.35	X	1.15	X	0.45	=	4.19
0.30/6(1.60*1.45)+(0.53*38)+4(0.58+1.60)/2	1	X	6	X			0.0000			=	0.00
Column No. C3	1	X	4	X	1.50	X	1.50	X	0.45	=	4.05
(2.25+0.34+4*1.30)	1	X	4	X			0.0000			=	0.00
Column No.C2 END	1	X	2	X	1.35	X	1.15	X	0.45	=	1.40
(1.55+.22+(4*1.30)	1	X	2	X			0.0000			=	0.00
Column No.C2 MIDDLE	0	X	0	X	1.45	X	1.25	X	0.45	=	0.00
(1.81+0.22+4*1.01)	0	X	0	X			0.0000			=	0.00
Column No. C3 EXP	1	X	1	X	2.00	X	2.00	X	0.45	=	1.80
Column No.Platform	1	X	2	X	1.00	X	1.00	X	0.40	=	0.80
										Total	12.24
										say	12.24

- 7 Item No. 7 :- Providing & laying in situ cement concrete M-20 of trap metal for R.C.C. work in columns as per cum detailed drawing and design as directed including dewatering if necessary centering, formwork, compaction, finishing the formed surface with Column up to plinth

Column C1	1	X	6	X	0.30	X	0.50	X	1.50	=	1.35
Column No.C2	1	X	2	X	0.30	X	0.50	X	1.50	=	0.45
Column No. C3	1	X	2	X	0.35	X	0.50	X	1.50	=	0.53
	1	X	0	X	0.15	X	0.35	X	1.50	=	0.00
Column No. C3 EXP.	0	X	1	X	0.35	X	0.50	X	1.50	=	0.00
	0	X	1	X	0.15	X	0.35	X	1.50	=	0.00
Column No.Platform	1	X	2	X	0.57	X	0.30	X	1.50	=	0.51
Column above plinth											
Column C1	1	X	6	X	0.30	X	0.50	X	5.15	=	4.64
Column No.C2	1	X	2	X	0.30	X	0.50	X	5.15	=	1.55
Column No.C2 in gable	1	X	2	X	0.30	X	0.50	X	1.50	=	0.45
	1	X	2	X	0.30	X	0.50	X	3.00	=	0.90
Column No. C3	1	X	4	X	0.35	X	0.50	X	5.15	=	3.61
	1	X	0	X	0.15	X	0.35	X	5.15	=	0.00
Column near R.S.	2	X	0	X	0.15	X	0.35	X	2.50	=	0.00
Column near R.S. mechanical gear	1	X	1	X	0.23	X	0.35	X	4.00	=	0.32
										Total	14.30
										say	15.00

- 8 Item No. 8 :- Providing & laying in situ cement concrete M-20 of trap metal for R.C.C. work in beams and lintels cum as per detailed drawing and design as directed including dewatering if necessary centering, formwork, compaction, finishing the formed su

Ground Beam
C1-C1 middle

1 X 4 X 4.65 X 0.35 X 0.45 = 2.93



	0	X	0	X	1.175	X	0.35	X	0.45	=	0.00
C1-C1 middle end	0	X	4	X	3.82	X	0.35	X	0.45	=	0.00
C1-C3 END WALL	1	X	4	X	4.09	X	0.35	X	0.45	=	2.58
C3-C2	1	X	2	X	4.04	X	0.35	X	0.45	=	1.27
C2-C2 E	1	X	2	X	4.09	X	0.35	X	0.45	=	1.29
C2-C2 M											
Platform beam											
PB2	1	X	2	X	4.35	X	0.35	X	0.45	=	1.37
PB1	1	X	2	X	4.35	X	0.30	X	0.45	=	1.17
PB3	2	X	2	X	1.045	X	0.30	X	0.30	=	0.38
OFFSET	1	X	2	X	4.350	X	0.205	X	0.15	=	0.27
OFFSET	2	X	2	X	1.595	X	0.205	X	0.15	=	0.20
OFFSET L= 5.00+4.59/2	0.5	X	2	X	4.350	X	0.205	X	0.15	=	0.13
L= 1.80+1.595/2	0.5	X	8	X	1.700	X	0.205	X	0.15	=	0.21
LINTELS											
OVER V1	1	X	7	X	1.950	X	0.35	X	0.15	=	0.72
DOOR BEAM											
C1-C1 middle	2	X	3	X	4.65	X	0.23	X	0.30	=	1.93
C1-C1 middle rolling shutter	0	X	2	X	1.175	X	0.23	X	0.30	=	0.00
C1-C3 END WALL	2	X	0	X	4.65	X	0.35	X	0.45	=	0.00
C3-C2	1	X	4	X	3.82	X	0.23	X	0.30	=	1.05
C2-C2 E	1	X	2	X	4.09	X	0.35	X	0.45	=	2.58
C2-C2 M	1	X	2	X	4.04	X	0.35	X	0.45	=	1.27
EAVES BEAM											
C1-C1 middle		X	4	X	4.65	X	0.23	X	0.30	=	0.00
C1-C1 middle end		X	0	X	1.175	X	0.23	X	0.30	=	0.00
C1-C3 END WALL		X	4	X	3.82	X	0.23	X	0.30	=	0.00
C3-C2		X	4	X	4.09	X	0.35	X	0.45	=	0.00
C2-C2 E		X	2	X	4.04	X	0.35	X	0.45	=	0.00
C2-C2 M		X	2	X	4.09	X	0.35	X	0.45	=	0.00
AT GABLE											
C2-C2 @ 1.50 MTR	1	X	3	X	4.04	X	0.35	X	0.45	=	1.91
C2-C2 @3.00 MTR	1	X	2	X	4.04	X	0.35	X	0.45	=	1.27
Beam at Gable Junction below	2	X	2	X	11.70	X	0.35	X	0.20	=	3.28
A.C.sheet due to attached Wh.											
							Total				27.09
							say				28.00

Item No. 9 :- Providing & laying in situ cement concrete M-20 of trap metal for R.C.C. work in slabs as per cum detailed drawing and design as directed including dewatering if necessary centering, formwork, compaction, finishing the formed surface with

PLATFORM SLAB	1	X	1	X	4.65	X	1.295	X	0.20	=	1.20
deduct column offset	-2	X	1	X	0.30	X	0.15	X	0.20	=	-0.02
							Total				1.19
							say				2.00 cum

Item No 10 :- Providing II class B.B. masonry with conventional/ I.S. type bricks in cement mortar (1:6) in super cum structure including striking joints watering scaffolding, curing etc. complete as directed (bd. G.5/315)

For PANEL											
C1-C1 middle up to DB	1	X	4	X	4.65	X	0.23	X	2.50	=	10.70
C1-C1 middle end	0	X	0	X	1.175	X	0.23	X	2.50	=	0.00
C1-C3 END WALL	1	X	4	X	3.82	X	0.23	X	2.50	=	8.79
Above DB to Below AC Sheet	2	X	4	X	4.65	X	0.23	X	2.50	=	21.39
	1	X	2	X	1.175	X	0.23	X	2.50	=	1.35
	0	X	2	X	3.82	X	0.23	X	2.50	=	0.00
R S pannels	0	X	2	X	4.35	X	0.23	X	2.50	=	0.00
C3-C2	1	X	4	X	4.09	X	0.23	X	5.60	=	21.07
C2-C2 E	1	X	2	X	4.04	X	0.23	X	5.60	=	10.41
C2-C2 M	1	X	2	X	4.09	X	0.23	X	5.60	=	10.54
Gable	0.5	X	1	X	8.50	X	0.23	X	3.40	=	3.32
Above column portion C1	2	X	5	X	0.50	X	0.23	X	0.45	=	0.52
C3	2	X	1	X	0.35	X	0.23	X	0.45	=	0.07
	2	X	1	X	0.15	X	0.23	X	0.45	=	0.03
Above sheet Plinth Diff	1	X	2	X	11.70	X	0.23	X	0.30	=	1.61
Deduction for											
Rolling shutters							Total				89.80
V1	1	X	2	X	2.10	X	0.23	X	2.50	=	2.42
V2	2	X	7	X	0.60	X	0.23	X	0.60	=	1.16
V3	2	X	9	X	1.00	X	0.23	X	0.60	=	2.48
V2 in gable	0	X	0	X	1.30	X	0.23	X	0.45	=	0.00
Beams & Lintels at	1	X	5	X	1.00	X	0.23	X	0.60	=	0.69
V1,V2											
											= 0.72



door beam at short side	=	5.14
Eaves beam at short side	=	0.00
C2 in gable	=	1.35
C2 near R.S.	=	0.00
C2 near ramp	=	2.58
Total deduction		16.53
net		73.27
say		74.00

11 Item No 11 :- Providing cement plaster 25mm thick in C.M. 1:4 outside to the W.H. bldg. without neeru & sqm smooth finish to concrete or brick surface in all positions including scaffolding curing etc. complete as directed (Bd.L.2&4/31)

Outside							=	256.50	
Long wall	1	X	2	X	19.00	X	6.75	=	114.75
short wall	1	X	2	X	8.50	X	6.75	=	14.66
Gable wall	0.5	X	1	X	8.50	X	3.45	=	29.70
Column offset C1	2	X	10	X	0.22	X	6.75	=	11.88
C3	4	X	2	X	0.22	X	6.75	=	11.88
C2	2	X	4	X	0.22	X	6.75	=	1.32
C2 in gable	2	X	2	X	0.22	X	1.50	=	2.64
C2 in gable	2	X	2	X	0.22	X	3.00	=	24.92
V1 top, bottom	2	X	12	X	1.55	X	0.67	=	10.08
R.S.Jams & soffit	2	X	2	X	7.20	X	0.35	=	0.00
R.S.Jams & soffit	0	X	1	X	11.50	X	0.35	=	7.02
Add for masonry above sheet (plinth diff)	1	X	2	X	11.70	X	0.30	=	485.36
Total									485.36
Deduction								=	10.50
rolling shutter	1	X	2	X	2.10	X	2.50	=	5.10
V2	0.5	X	17	X	1.00	X	0.60	=	2.34
V3	0.5	X	8	X	1.30	X	0.45	=	17.94
Dedu.									17.94
Net									467.42
Say									468.00

12 Item No 12 :- Providing cement plaster 20mm thick in C.M. 1:4 inside to the W.H. bldg. with neeru & smooth sqm finish to concrete or brick surface in all positions including scaffolding curing etc. complete as directed (Bd.L.2&4/31)

Inside								=	210.75
Long wall	1	X	2	X	18.65	X	5.65	=	44.07
short wall	1	X	1	X	7.80	X	5.65	=	13.07
Gable wall	0.5	X	1	X	7.80	X	3.35	=	7.02
Above AC sheet Plinth Diff.	1	X	2	X	11.70	X	0.30	=	274.90
Total									274.90
Deduction								=	10.50
rolling shutter	1	X	2	X	2.10	X	2.50	=	5.10
V2	0.5	X	17	X	1.00	X	0.60	=	2.34
V3	0.5	X	8	X	1.30	X	0.45	=	17.94
Dedu.									17.94
Net									256.96
Say									257.00

- 9 -

13 Item No 13 :- Providing cement plaster 20 mm thick in C.M. 1:4 with 1.5mm thick cement finish to concrete sqm /brick surface in all positions including scaffolding curing etc. complete as directed.(Bd.L.4/368)

Plinth	0	X	2	X	42.00	X	1.05	=	0.00
Long wall	0	X	2	X	22.00	X	1.05	=	8.22
Short wall	1	X	4	X	9.78	X	0.21	=	39.12
Platforms Taper side	1	X	4	X	9.78	X	1.00	=	0.00
Bottom	0	X	2	X	20.20	X	0.60	=	0.00
Apron LW	0	X	1	X	8.50	X	0.60	=	0.00
S/W	0	X	1	X	20.20	X	1.95	=	0.00
Gutter LW	0	X	1	X	23.76	X	1.95	=	0.00
S/W								=	2.52
col offset	1	X	16	X	0.15	X	1.05	=	1.25
C1	1	X	8	X	0.15	X	1.05	=	1.26
C2	1	X	8	X	0.15	X	1.05	=	13.92
C3	1	X	8	X	1.74	X	1.00	=	66.30
Platform columns									67.00
Total									67.00
Say									67.00

14 Item No 14 :- Providing cement plaster 12 mm thick in C.M. 1:3 (Weathershed) with even and smooth finish to Sqm concrete /brick surface in all positions including scaffolding curing etc. complete as directed.(Bd.L.4/368)



Say 5.40

19 Item No 19 :- Providing and fabricating steel ventilators for fully glazed as per detailed drawing and design sqm without hot deep zinc coating including fabrication with folded type shutters (side hinges) opening inside with G.I. wiremesh of 18 Gauge, 6 m

V1	2	X	6	X	0.60	X	0.60	=	4.32
V2	2	X	6	X	1.00	X	0.60	=	7.20
V3	4	X	2	X	1.30	X	0.45	=	4.68
V2 at short side	1	X	5	X	1.00	X	0.60		3.00
								Total	19.20
								Say	19.20

20 Item No 20 - Providing & fabricating steel work in Angular trusses & purlins members with all bracings, MT gusset plates etc as per detailed drawing & design or as directed including cutting, fabricating, hoisting, erecting, fixing

Total = 2.10
Say = 2.10

21 Item No 21 :- Providing & fixing in position Ziclume sheet for roofing including G.I. J or L hooks G.I. and sqm bituminous washers, G.I. clamp bolts and nuts with minimum overlaps of 20 cms as per drawings etc. complete.(B main bldg.

	1	X	2	X	19.00	X	4.72	=	179.36
Platform	0	X	2	X	5.47	X	1.80	=	0.00
Ramp	0	X	1	X	5.00	X	2.00	=	0.00
								Total	179.36
								Say	180.00

22 Item No 22: - Providing and fixing of colour Zinalume (R) AZ150 (Min150gms/Sq.mt. total on each sides) Sqm 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 fid 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)

Main bldg.	1	X	1	X	19.00	X	0.60	=	11.40
								Total	11.40
								Say	11.40

23 Item No 23 :- Filling in plinth with approved excavated stuff obtained from departmental land including cum watering, compacting etc. complete as directed.(Bd. A.10/262)

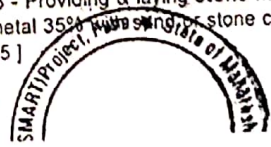
Qty received from excavation								Total	10.00
								Say	10.00

24 Item No 24 - Providing Hard Murum cohesive non-swelling materials in plinth in layers of 20 cms etc. complete cum as directed. [Only compacted thickness is payable][Rd.23/202 & Rd 28/205].

Main bldg.	1	X	1	X	18.65	X	7.80	X	0.30	=	43.64
Deduction for O.S.metal in plinth Long	1	X	2	X	18.65	X	0.60	X	0.30	=	-6.71
Short	1	X	2	X	8.50	X	0.60	X	0.30	=	-3.06
								Total	33.87		
								Say	31.78		

25 Item No 25 - Providing & laying stone metal layer of 20 cm thickness with 60 mm over size metal 65% and 40 cum mm size metal 35% for stone chips spreading & leveling handpacking complete [Rd.22/201,Rd 20/200 & Rd.20/205]

Main bldg.	1	X	1	X	18.65	X	7.80	X	0.20	=	29.09
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Total 29.09
Say 29.09

26 Item No 26 - Providing and laying in situ cement concrete M20 with tremix treatment for 100 mm thickness for sqm flooring with groove cutting of 4mm wide and 20mm deep with necessary refilling with bitumen etc. complete.

Main Bldg 1 X 1 X 18.65 x 8.15 = 152.00

Total 152.00
Say 152.00 sqm

27 Item No 27 - Providing & fixing ISMC 150 with weight @ 16.80 Kgs/Rmt 20 mm dia & 0.50 m long bolts & nuts @ Kgs 1.00 m/c, M.S. angles for stands of fire bucket including chain fixing in wall applying three coats of oilpaint etc. compl

For Platforms 1 1 X 1.00 X 16.80 Kg/M. = 16.80

@ 12.10 kg/m Holdfasts 20 mm dia 1 X 1 X 0.60 X 2.50 Kg/M. = 1.50

@ 2.50 kg/m L50x50x6 mm for fire bucket. = 0.00

@ 4.50 kg/m Total 1.00
Say 1.00

28 Item No 28 :- Providing pre-constructional Anti-termite treatment as per I.S. 6313 (Part-II) - 1973 by treating the Sq M 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

III stage 1 X 1 X 18.65 X 8.15 = 152.00

Total = 152.00
Say = 152.00



Pranav
Associate - Civil - Expert
SMART PROJECT
Pune

GHRUSHNESHWAR SHETKARI AGRO PRODUCER COMPANY LIMITED.
 Ajp-Palaswadi. Tal- Khultabad. Dist- Aurangabad.

NAME OF WORK : PROPOSED CONSTRUCTION OF 250 MT Cap WH BLDG (Collection Cum Transit Storage) & Drying Yard. Ajp-Palaswadi. Tal- Khultabad. Dist- Aurangabad.

Sub Work No:-II :- Drying Yard.

MEASUREMENT SHEET

Item Nos & Description of Items	NO.S			LENGTH	BREDTH	DEPTH / HIGHT	TOTAL QUANTITY	Unit
	1	X	2					
1 Item No. 1:- Excavation for Drying Area in earth soil of all type sand gravel including conveying the excavated materials upto a lead of 50 m and spreading for embankemnt or stacking as directed.								cum
Drying Yard	1	X	1	12.00	X	10.50	X	0.70 = 88.20
								Net 88.20
								Say 88.00
2 Item No. 2 :- Excavation for Drying Area in hard murum, dressing section to the required grade camber and side slopes and conveying the excavated materials upto a lead of 50 m and spreading for embankemnt or stacking as directed.								cum
Drying Yard	1	X	1	12.00	X	10.50	X	0.50 = 63.00
								Net 63.00
								Say 63.00
3 Item No. 3 :- 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 hand packing complete. [Rd.22/201, Rd.20/200 & Rd.20/205]								cum
Drying Yard	1	X	1	12.00	X	10.50	X	0.30 = 37.80
								Total 37.80
								Say 38.00
4 Item No. 4:- Supplying hard murum at the road side including conveying & stacking etc. complete.								cum
Drying Yard	1	X	1	12.00	X	10.50	X	0.30 = 37.80
								Total 37.80
								Say 38.00
5 Item No.5 :- Supplying soft murum at the road side including conveying & stacking etc. complete. (Rd.24 / P. 203)								cum
Drying Yard	1	X	1	12.00	X	10.50	X	0.30 = 37.80
								TOTAL 37.80
								Say 38.00
6 Item No. 6 :- Spreading hardmurum at the road side including conveying & stacking etc. complete.								cum
Qty. as per item 4-A								= 38.00
								Total 38.00
								Say 38.00
7 Item No. 7 :- Spreading soft murum over size metal as blindage as directed etc. complete.								cum
Qty. as per item 4-B								= 38.00
								Total 38.00
								Say 38.00
8 Item No. 8 :- Spreading Soling of trap stone metal including sectioning as directed etc. complete.								cum



Signature

Qty. as per item 2-A = 38.00
 Total 38.00
 Say 38.00

9 Item No. 9:- Compacting oversize metal layer with H. M. with power roller including artificial watering & necy. Labour etc. complete. sqm

Drying Yard 1 x 4 X 12.00 X 10.50 = 504.00
 TOTAL 504.00
 Say 504.00

10 Item No 10 :- Providing & laying in situ cement concrete M-10 of trap metal for foundation & bedding including dewatering if necessary, compacting, curing etc. complete [Bd.E.1 / 287] cum

Drying Yard 1 x 1 X 12.00 X 10.50 X 0.15 = 18.90
 Total 18.90 cum
 Say 19.00 cum

11 Item No 11:-Providing and laying in situ cement concrete M30 with tremix treatment for 200 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessary refilling with bitumen etc. complete. SqM

Drying Yard 1 x 1 X 12.00 X 10.50 X = 126.00
 Total 126.00
 Say 126.00 SqM

12 Item No 12:-Providing II class B.B. masonry with conventional / I. S. type bricks in cement mortar (1 : 6) in foundation and plinth including dewatering; striking joints on exposed faces and curing etc. Cum

Drying Yard Side
 1 x 2 X 12.00 X 0.35 X 0.70 = 5.88
 1 x 2 X 10.50 X 0.35 X 0.70 = 5.15
 Total 11.03 Cum
 Say 11.00 Cum

13 Item No.13 :- Providing cement plaster 25mm thick in C.M. 1:4 outside to the W.H. bldg. without neeru & smooth finish to concrete or brick surface in all positions including scaffolding curing etc. complete Sqm as directed (Bd.L2&4/31)

Drying Yard Side
 1 x 2 X 12.00 X 0.35 X 0.50 = 4.20
 1 x 2 X 10.50 X 0.35 X 0.50 = 3.68
 Total = 7.88
 say = 8.00 Sqm



Plumber
 Associate - Civil - Expert
 SMART PROJECT
 Pune

SMART PROJECT

GHUSHNESHWAR SHETKARI AGRO PRODUCER COMPANY LIMITED.
 Alp-Palawasadi, Tal-Khullabadi, Dist- Aurangabad.

NAME OF WORK : PROPOSED CONSTRUCTION OF 250 MT Cap WH BLDG (Collection Cum Transit Storage) & Drying Yard. Alp-Palawasadi, Tal- Khullabadi, Dist- Aurangabad.

Royalty Charges Statements

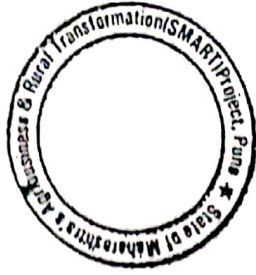
Sr. No	Particular	Required Quantity in Cum	Requar Quantity in Brass		Royalty Charges For Sand RS 158.29 & Othe Mineral RS 144.16 / Cum		Remarks
			3	4	5	6	
1	SAND	117.08	2.83	41.37	158.29	18532.59	
2	METAL Hand broken	0	0.00			0.00	
3	MURUM	91.20	32.23		144.16	13147.39	
4	RUBBLE	88.56	31.29		144.16	12766.81	
Total Amount Rs.						44446.79	

Say Rs 44447.00

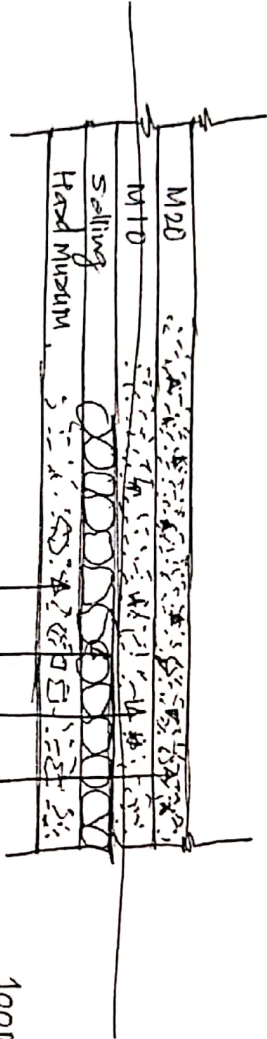


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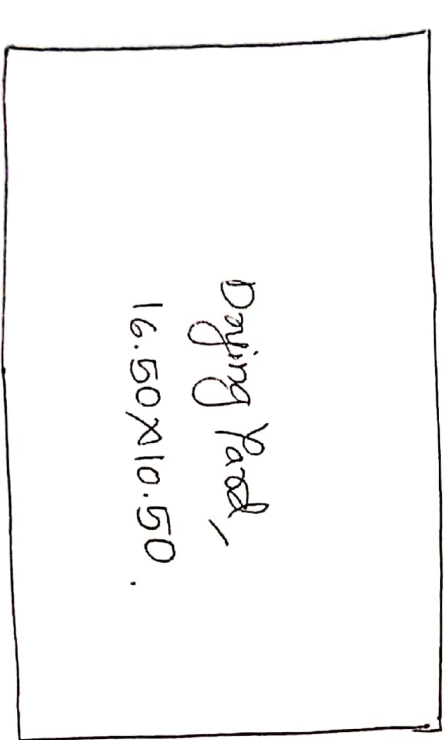
State of Maharashtra's Agribusiness and Rural Transformation (SMART) Project



Elevation

16.50 M.

- 100mm th. M20 Tarmix Concrete
- 100mm th. M10 Cement concrete
- 200mm th. Salling some metal
- 200mm th. Hard Museum



Drying Pad,

16.50 X 10.50.

10.50 M

PLAN.

Choushreshwar Sheet of Agro Pro. Com. Ltd. At Palawadi, Tal. Khutabad

