

**RECAPULATION SHEET**

PROPOSED CONSTRUCTION OF 1788 M.T.WAREHOUSE BUILDING, GRAIN CLEANING AND GRADING UNIT					
AT GAT NO.60, RAHATI, TAL.&DIST.PARBHANI.					
NAME OF COMPANY:-- DHANSANCHAY AGRO PRODUCER CO.LTD., RAHATI, TAL-AND DIST- PARBHANI					
SR.NO.	PARTICULARS OF SUBWORK	CAPACITY IN	UNIT	AMOUNT IN	COST IN RS. PER M.T.
1	Construction of Warehousing Building.	1788	M.T.	13246828	7409
2	Internal Service Roads			948352.32	
3	Compound Wall			1132558	
4	Electrification @1.50%			198702	
2	Royalty Charges			418161	
3	Testing Charges			23940	
	TOTAL		RS	15968542	
4	ADD 18% GST			2874337	
5	ADD 1% LABOUR INSURANCE			159685.42	
	TOTAL		RS.	19002564	
6	GRAND TOTAL	1788	SAY RS/M.T.	19,002,564	10628
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PROPOSED CONSTRUCTION OF 1788 M.T.WAREHOUSE BUILDING, GRAIN CLEANING AND GRADING UNIT

NAME OF COMPANY:-- DHANSANCHAY AGRO PRODUCER CO.LTD., RAHATI, TAL-AND DIST- PARBHANI

ABSTRACT OF MEASUREMENTS WAREHOUSE BUILDING.

SR.NO.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT	REMARK, Standard Specification Reference.
1	Excavation in soil plus soft murum with all leads and lifts, with backfilling the trenches and dewatering complete.(Mannually)	CU.M.	1457	232	338024	BDA-1/Page No. 259
2	Excavation in Hard murum with all leads, lifts including backfilling the trenches and dewatering complete.	CU.M.	35	354	12390	BDA-1/Page No. 259
3	Excavation in Hard murum and Boulders with all leads and lifts including backfilling the trenches and dewatering complete.( Mechanical means)	CU.M.	18	235	4230	BDA-1/Page No. 259
4	Excavation in Soft Rock with all leads and lifts, backfilling the trenches and dewatering complete.(Mechanical means)	CU.M.	4	291	1164	BDA-1/Page No. 259
5	Excavation in Hard Rock with pneumatic breaker, all leads and lifts, backfilling the trenches and dewatering complete.(Mechanical means)	CU.M.	4	1051	4204	BDA-1/Page No. 259
6	providing anti-termite treatment to trenches with 5 liters per Sq.M. area by 1liter Chlorophyrifos plus+19 liters of water i.e. 20% Emulsionas, per specifications and dose directed by Engineer-in- Charge, complete.					As directed by Engineer-in-Charge.
A	Bottom surface of trench	SQ.M.	164	92	15088	
B	Backfilling of Trenches	SQ.M.	93	97	9021	
C	Plinth and Apron	SQ.M.	600	94	56400	

7	Providing and laying Geocell-Techcell CE Marked a three dimensional honeycomb like cellular confinement system having weld spacing 356mm and cell depth 150mm of Techfab India, indigenously manufactured by blend of various polyethylene and additives, polyethylene strips ultrasonically welded consists of a multiple rhomboidal indentations over the entire strip on the prepared subgrade for subgrade stabilization by reinforcement and drainage application for roads, ground improvement work and erosion control of slopes etc. complete. (Specification: MORTH Section-700) with prior approval of concerned Superintending Engineer.	SQ.M.	11	560	6160	SSR 50.38(a), MORTH Section 700.
8	Providing and laying 0.60 meter thick metal mat consisting of rubble, oversize metal and normal size metal in specified thickness as per detailed drawing including supplying all materials, hand packing of rubble, spreading metal in layers and hard murum including watering and compaction with power roller etc. complete	SQ.M.	355	915.33	324942.15	SSR 14.88/BR-62
9	Providing ,laying, PCC 1:5:10 including formwork, compaction , curing with all leads and lifts complete as per specifications.	CU.M.	210	4978	1045380	BDE-1/P/287
10	Providing RCC 1:1.5:3 for footing including, formwork, compaction by virator, curing etc. with all leads and lifts , testing, complete as per specifications.	CU.M.	11.81	6666	78725.46	BDF-3/P/298 & B-7/P/38
11	Providing RCC 1:1.5:3 for Column in Substructure including, formwork, compaction by virator, curing, testing etc. with all leads and lifts , complete as per specifications.	CU.M.	38.85	12987	504544.95	BDF-5/P/300 & B-7/P/38
12	Providing RCC 1:1.5:3 for Beam in Substructure including, formwork, compaction by virator, curing , testingetc. with all leads and lifts , complete as per specifications.	CU.M.	12.89	11483	148015.87	BDF-5/P/300 & B-7/P/38

13	Providing RCC 1:1.5:3 for Beam in Superstructure including, formwork, compaction by vibrator, curing, testing etc. with all leads and lifts , complete as per specifications.	CU.M.	20.05	11483	230234.15	BDF-5/P/300 &B-7/P/38
14	Providing UCR Stone in Cement Mortar 1:6 in Substructure with scaffolding, curing , testing all teads and lift complete as per specifications.	CU.M.	67.97	4775	324556.75	BDG-1/P/313
15	Providing BBM in Cement Mortar 1:6 in Superstructure with scaffolding, curing , testing all teads and lift complete as per specifications.	CU.M.	155.7	7570	1178649	BDG-5/P/315
16	Cement Plaster 12 mm thick in single coat in Cement Mortar 1:5 to inside of walls with scaffolding ,curing complete as per specifications.	SQ.M.	647	264	170808	BDL- 2A/P/368
17	Waterproof sand faced Cement Plaster externally in C.M.1:4 using approved screened sand in all positions including base coat Of 15 mm thick,in C.M. 1:4,using Waterproof Compound at 1 kg per cement bag, curing the same for not less than two days and keeping the surface of the base coat rough to receive sand face treatment 6 to 8 mm thick in C.M.1:4 finishing the surface by taking out grains and curing for 14 days scaffolding etc complete.	SQ.M.	418	599	250382	
18	Providing White lime wash in two coats to internal wall of Warehouse, scaffolding etc complete as per specifications.	SQ.M.	647	11	7117	
19	Providing Colour wash in two coats to External wall of Warehouse, scaffolding etc, complete as per specifications.	SQ.M.	418	17	7106	
20	Providing Steel Ventilators as per drawing , scaffolding etc complete as per specifications.	SQ.M.	12.96	1917	24844.32	
21	Providing Mild Steel Rolling Shutters as per drawing , scaffolding etc complete as per specifications.	SQ.M.	34.56	4310	148953.6	

22	Providing synthetic Emulsion painting in three Coats to Steel Ventilators and Rolling Shutters.	SQ.M.	0	88	0	
23	Providing Hard Murum in plinth with approved material obtained from contractors source with all leads and lifts , laying layers of 20 to 30 cm; breaking clods to the required lines, grades, and curves and section,watering compaction not less than 97% of Standard Proctor Density etc. complete	CU.M.	1336	546	729456	SSR 25/383
24	Providing ,laying PCC M 15 on top of Apron compaction, curing , testing complete as per specifications.	CU.M.	4	6030	24120	BDE-2/P/288
25	Providing Size metal layer , complete as per specifications and as directed by Engineer-in-Charge..	CU.M.	4	1621	6484	CD-1/P/159
26-A	Providing soft murum blindage over apron and size metal layer in plinth, watering, compaction by plate vibrator/ 10 T Roller, complete as per specifications.	CU.M.	19	395	7505	SSR 25/383
27	Providing watering, compaction by plate vibrator over apron size metal layer complete as per specifications.	SQ.M.	83	50	4150	M.R.
28	Providing Cement plaster 12 mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surface in all positions, including curing , scaffolding complete as per specifications and as directed by Engineer-in-Charge.	SQ.M.	313	264	82632	BDL2/P/368
29	Providing fine cement finish 1.50 mm thick over green plaster surface including scaffolding curing etc, complete	SQ.M.	313	68	21284	As directed by Engineer-in-Charge.
30	Providing Compacted 200 mm thick 65% Oversize plus 35% Size metal layer in the plinth of Warehouse building ,spreading, watering ,compaction by 10 T roller, including soft murum as blindage complete as per specifications	CU.M.	144	1302	187488	AS per R.A.

31-A	Providing PCC 1:1.5:3 , 200 mm thick Trimix Concrete layer in the plinth floor of Warehouse building, M.S. Channel form work, skid vibrator, vacuum dewatering, trovelling with machine, rough finish, groove cutting for construction and expansion joint filling the groove with Thermocol and polysulphide sealent, arranging 3 phase electric supply for the work, complete as per specifications and as directed.	CU.M.	150.612	6365	958645.38	BDE-2/P/288
31-B	Trimix vacuum dewatering and trovelling treatment to concrete laid above item	SQ.M.	993.06	60	59583.6	Market Rate
31-C	Providing silicate hardner powder on Allways and Platform top surface at the rate of 6 Kg per Sq.M. including spreading trovelling with machine, rough finish complete as per specifications and as directed.	SQ.M.	358.54	1230	441004.2	Market Rate
32	Proving and fixing M.S. Sill Angle of size 50x50 6mm at Rolling Shutter Door inclung hold fast, line level complete as per specifications.	M.T.	0.08	85585	6846.8	BDC2/P/275
33	M.S.TMT Fe-500 Grade Bar Reinforcement conforming to IS:226 and IS:2062, including cutting, bending, binding with M.S. G.I. wires, placing in position , testing complete as per specifications and as directed.	M.T.	7.386	71778	530152.308	BDF-17/P/306
34	Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted /welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved	M.T.	24.1583	89181	2154461.35	BDC-2/P/275
35	Providing, ISA 65X65x6 MM, fabricating, fixing inposition with holdfast, one coat of red oxide primer and two coats of oil paint, etc complete as per specification complete as directed.	M.T.	0.49	85585	41936.65	BDC-2/P/275

36	Providing and laying RCC Chajja in cement concrete 1:1.5:3 for fins and pardsies ,including formwork, viration, curing ,testing complete as per specifications and as directed.	CU.M.	1.485	17214	25562.79	BDF-16/P/306/IS:456(2004)
37	Providing and fixing in position 11.35 M height lightening arrester as per drawing , design, specification complete as directed by Engineer-in-Charge.	Number	1	8000	8000	M.R.
38	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	SQ.M.	2243.81	1095	2456971.95	SSR/BDR/38.34
39	Providing and fixing Turbo ventilators 600 mm diameter of wind operated turbo ventilator system of various sizes over the existing roof including cutting Zinaluminium sheets, proper fixing in position to true line and level with all fixtures and fasteinings including etc. complete	Number	4	8680	34720	SSR NO.42/P/374
40	Providing and fixing board displaying information, such as Name of Work, Tender Cost, Name of Contractor, Work completion and liability period etc, having rectangular shape of size 1.20x 0.90m made out of 18 gauge (1.25 mm) thick mild steel sheet painted with one coat of zink chromate stoving primer and two coats of enamel paint on back side and border/ messages/ symbols etc with approved colour shade paint complete on M.S.Angle 35x35x3 mm frame with properly cross braced M.S.Angle35x35x3 mm duly painted	Number	1	9284	9284	As directed by Engineer-in-Charge,SSR NO.6.36

7	Providing and laying Geocell-Techcell CE Marked a three dimensional honeycomb like cellular confinement system having weld spacing 356mm and cell depth 150mm of Techfab India, indigenously manufactured by blend of various polyethylene and additives, polyethylene strips ultrasonically welded consists of a multiple rhomboidal indentations over the entire strip on the prepared subgrade for subgrade stabilization by reinforcement and drainage application for roads, ground improvement work and erosion control of slopes etc. complete. (Specification: MORTH Section-700) with prior approval of concerned Superintending Engineer.	SQ.M.	1010	560	565600	SSR 50.38(a), MORTH Section 700.
TOTAL					13246828.3	

PROPOSED CONSTRUCTION OF 1788 M.T.WAREHOUSE BUILDING, GRAIN CLEANING AND GRADING UNIT								
NAME OF COMPANY:-- DHANSANCHAY AGRO PRODUCER CO.LTD., RAHATI, TAL-AND DIST- PARBHANI								
ESTIMATE FOR PROPOSED CONSTRUCTION OF 1788 M.T. WAREHOUSE BUILDING.								
SR.NO.	DESCRIPTION OF ITEM	NO.	LENGTH	BREADTH	HEIGHT	QUANTITY	TOTAL QTY	UNIT
	WAREHOUSE BUILDING 200 M.T.							
1	Excavation in soil plus soft murum							
	C1 Column	4	1.4	1.4	1.75	13.72		
	C2 Column	8	1.25	1.25	1.75	21.875		
	C3 Column	6	1.25	1.25	1.75	16.40625		
	C4 Column	8	1.25	1.25	1.75	21.875		
	C5 Column	4	1.4	1.4	1.75	13.72		
	Long Wall	8	5.025	0.75	1.75	52.7625		
		12	5.1	0.75	1.75	80.325		
	Short Wall	4	4.95	0.75	1.75	25.9875		
		4	4.025	0.75	1.75	21.13125		
		4	3.75	0.75	1.75	19.6875		
	Apron & Gutter					0		
	Long Wall	2	31	1.28	1.58	125.3888		
	Short Wall	2	33.4	1.28	1.58	135.0963		
	Platform					0		
	Long Wall	4	5.65	0.75	1.75	29.6625		
	Short Wall	8	1.425	0.75	1.75	14.9625		
	Warehouse plinth	1	30	20	0.9	540		
	Warehouse Plinth	2	30	6	0.9	324		
	TOTAL					1456.6	1457	CU.M.
2	Excavation in Hard murum							
	C1 Column	4	1.4	1.4	0.1	0.784		
	C2 Column	8	1.25	1.25	0.1	1.25		
	C3 Column	6	1.25	1.25	0.1	0.9375		
	C4 Column	8	1.25	1.25	0.1	1.25		
	C5 Column	4	1.4	1.4	0.1	0.784		
	Long Wall	8	5.025	0.75	0.1	3.015		
		12	5.1	0.75	0.1	4.59		
	Short Wall	4	4.95	0.75	0.1	1.485		
		4	4.025	0.75	0.1	1.2075		
		4	3.75	0.75	0.1	1.125		
	Apron & Gutter					0		
	Long Wall	2	31	1.28	0.1	7.936		
	Short Wall	2	33.4	1.28	0.1	8.5504		
	Platform					0		
	Long Wall	4	5.65	0.75	0.1	1.695		
	Short Wall	8	1.425	0.75	0.1	0.855		
	TOTAL					35.4644	35	CU.M.
3	Excavation in Hard murum and Boulders							
	C1 Column	4	1.4	1.4	0.05	0.392		
	C2 Column	8	1.25	1.25	0.05	0.625		
	C3 Column	6	1.25	1.25	0.05	0.46875		
	C4 Column	8	1.25	1.25	0.05	0.625		
	C5 Column	4	1.4	1.4	0.05	0.392		

	Long Wall	8	5.025	0.75	0.05	1.5075		
		12	5.1	0.75	0.05	2.295		
	Short Wall	4	4.95	0.75	0.05	0.7425		
		4	4.025	0.75	0.05	0.60375		
		4	3.75	0.75	0.05	0.5625		
	Apron & Gutter					0		
	Long Wall	2	31	1.28	0.05	3.968		
	Short Wall	2	33.4	1.28	0.05	4.2752		
	Platform					0		
	Long Wall	4	5.65	0.75	0.05	0.8475		
	Short Wall	8	1.425	0.75	0.05	0.4275		
	TOTAL					17.7322	18	CU.M.
4	Excavation in soft rock							
	C1 Column	4	1.4	1.4	0.025	0.196		
	C2 Column	8	1.25	1.25	0.025	0.3125		
	C3 Column	6	1.25	1.25	0.025	0.234375		
	C4 Column	8	1.25	1.25	0.025	0.3125		
	C5 Column	4	1.4	1.4	0.025	0.196		
	Long Wall	8	5.025	0.75	0.025	0.75375		
		12	5.1	0.75	0.025	1.1475		
	Short Wall	4	4.95	0.75	0.025	0.37125		
		4	4.025	0.75	0.025	0.301875		
		4	3.75	0.75	0.025	0.28125		
	TOTAL					4.107	4	CU.M.
5	Excavation in Hard Rock							
	C1 Column	4	1.4	1.4	0.025	0.196		
	C2 Column	8	1.25	1.25	0.025	0.3125		
	C3 Column	6	1.25	1.25	0.025	0.234375		
	C4 Column	8	1.25	1.25	0.025	0.3125		
	C5 Column	4	1.4	1.4	0.025	0.196		
	Long Wall	8	5.025	0.75	0.025	0.75375		
		12	5.1	0.75	0.025	1.1475		
	Short Wall	4	4.95	0.75	0.025	0.37125		
		4	4.025	0.75	0.025	0.301875		
		4	3.75	0.75	0.025	0.28125		
	TOTAL					4.107	4	CU.M.
6A	providing anti-termite treatment to							
	C1 Column	4	1.4	1.4		7.84		
	C2 Column	8	1.25	1.25		12.5		
	C3 Column	6	1.25	1.25		9.375		
	C4 Column	8	1.25	1.25		12.5		
	C5 Column	4	1.4	1.4		7.84		
	Long Wall	8	5.025	0.75		30.15		
		12	5.1	0.75		45.9		
	Short Wall	4	4.95	0.75		14.85		
		4	4.025	0.75		12.075		
		4	3.75	0.75		11.25		
						164.28	164	SQ.M.
6B	Backfilling trenches & plinth							
	C1 Column	4	1.4	1.4		7.84		
	C2 Column	8	1.25	1.25		12.5		
	C3 Column	6	1.25	1.25		9.375		
	C4 Column	8	1.25	1.25		12.5		
	C5 Column	4	1.4	1.4		7.84		
	Long Wall	8	5.025	0.75		30.15		

		12	5.1	0.75		45.9	
	Short Wall	4	4.95	0.75		14.85	
		4	4.025	0.75		12.075	
		4	3.75	0.75		11.25	
	LESS					0	
	C1 Column	-4	0.5	0.5		-1	
	C2 Column	-8	0.35	0.5		-1.4	
	C3 Column	-6	0.35	0.5		-1.05	
	C4 Column	-8	0.35	0.5		-1.4	
	C5 Column	-4	0.5	0.5		-1	
	Long Wall	-8	4.85	0.45		-17.46	
		-12	4.75	0.45		-25.65	
	Short Wall	-4	4.95	0.45		-8.91	
		-4	3.85	0.45		-6.93	
		-4	3.75	0.45		-6.75	
						92.73	93 SQ.M.
6C	Warehouse Plinth and Apron						
	Warehouse Plinth	1	30	20		600	
						600	600 SQ.M.
7	Providing and laying Geocell-Techcell CE Marked a three dimensional honeycomb like cellular confinement system having weld spacing 356mm and cell depth 150mm of Techfab India, indigenously manufactured by blend of various polyethylene and additives, polyethylene strips ultrasonically welded consists of a multiple rhomboidal indentations over the entire strip on the prepared subgrade for subgrade stabilization by reinforcement and drainage application for roads, ground improvement work and erosion control of slopes etc. complete. (Specification: MORTH Section-700) with prior approval of concerned Superintending Engineer.						
	TFI Tech Geo Cell 356x150 mm						
	C1 Column	4	1.4	1.4		7.84	
	C2 Column	8	1.25	1.25		12.5	
	C3 Column	6	1.25	1.25		9.375	
	C4 Column	8	1.25	1.25		12.5	
	C5 Column	4	1.4	1.4		7.84	
	Long Wall	8	5.025	0.75		30.15	
		12	5.1	0.75		45.9	
	Short Wall	4	4.95	0.75		14.85	
		4	4.025	0.75		12.075	
		4	3.75	0.75		11.25	11 SQ.M.
						164.28	

	Providing and laying 0.60 meter thick metal mat consisting of rubble, oversize metal and normal size metal in specified thickness as per detailed drawing including supplying all materials, hand packing of rubble, spreading metal in layers and hard murum including watering and compaction with power roller etc. complete							
	C1 Column	4	1.4	1.4		7.84		
	C2 Column	8	1.25	1.25		12.5		
	C3 Column	6	1.25	1.25		9.375		
	C4 Column	8	1.25	1.25		12.5		
	C5 Column	4	1.4	1.4		7.84		
	Long Wall	8	5.025	0.75		30.15		
		12	5.1	0.75		45.9		
	Short Wall	4	4.95	0.75		14.85		
		4	4.025	0.75		12.075		
		4	3.75	0.75		11.25		
	Apron & Gutter					0		
	Long Wall	2	31	1.28		79.36		
	Short Wall	2	33.4	1.28		85.504		
	Platform					0		
	Long Wall	4	5.65	0.75		16.95		
	Short Wall	8	1.425	0.75		8.55		
						354.644	355	SQ.M.
9	Providing PCC 1:4:8							
	C1 Column	4	1.4	1.4	0.15	1.176		
	C2 Column	8	1.25	1.25	0.15	1.875		
	C3 Column	6	1.25	1.25	0.15	1.40625		
	C4 Column	8	1.25	1.25	0.15	1.875		
	C5 Column	4	1.4	1.4	0.15	1.176		
	Long Wall	8	5.025	0.75	0.15	4.5225		
		12	5.1	0.75	0.15	6.885		
	Short Wall	4	4.95	0.75	0.15	2.2275		
		4	4.025	0.75	0.15	1.81125		
		4	3.75	0.75	0.15	1.6875		
	Apron & Gutter				0.15	0		
	Long Wall	2	31	1.28	0.15	11.904		
	Short Wall	2	33.4	1.28	0.15	12.8256		
	Platform				0.15	0		
	Long Wall	4	5.65	0.75	0.15	2.5425		
	Short Wall	8	1.425	0.75	0.15	1.2825		
	Warehouse	1	9.65	8.65	0.15	12.52088		
	Warehouse Plinth	1	30	20	0.15	90		
		2	30	6	0.15	54		
	TOTAL					209.7175	210	CU.M.
10	Providing RCC 1:1.5:3 for footing							
	C1 Column	4	1.1	1.1	0.4	1.936		
	C2 Column	8	0.95	0.95	0.4	2.888		
	C3	6	0.95	0.95	0.4	2.166		
	C4 Column	8	0.95	0.95	0.4	2.888		

	C5 Column	4	1.1	1.1	0.4	1.936		
						11.814	11.81	CU.M.
11	Providing RCC 1:1.5:3 for Column							
	Below plinth							
	C1 Column	4	0.35	0.35	1.5	0.735		
		8	0.35	0.15	1.5	0.63		
	C2 Column	8	0.3	0.5	1.5	1.8		
	C3	6	0.3	0.5	1.5	1.35		
	C4	8	0.3	0.5	1.5	1.8		
	C5	4	0.35	0.35	1.5	0.735		
		8	0.35	0.15	1.5	0.63		
	Above plinth							
	C1 Column	4	0.35	0.35	6.5	3.185		
		8	0.35	0.15	6.5	2.73		
	C2 Column	8	0.3	0.5	6.5	7.8		
	C3 Column	6	0.3	0.5	6.5	5.85		
	C4	8	0.3	0.5	5.5	6.6		
	C5	4	0.35	0.35	5.5	2.695		
		8	0.35	0.15	5.5	2.31		
						38.85	38.85	CU.M.
12	Providing RCC 1:1.5:3 for Beams							
	Below Plinth							
	Long Wall	8	5.85	0.45	0.2	4.212		
		6	5.7	0.45	0.2	3.078		
	Short Wall	4	6	0.45	0.2	2.16		
		4	4.85	0.45	0.2	1.746		
		4	4.7	0.45	0.2	1.692		
						12.888	12.89	CU.M.
13	Providing RCC 1:1.5:3 for Beams							
	Above Plinth Level							
	At Lintel level							
	Long Wall	8	5.85	0.35	0.2	3.276		
		6	5.7	0.35	0.2	2.394		
	Short Wall	4	6	0.35	0.2	1.68		
		4	4.85	0.35	0.2	1.358		
		4	4.7	0.35	0.2	1.316		
	Eaves Level							
	Long Wall	8	5.85	0.35	0.2	3.276		
		6	5.7	0.35	0.2	2.394		
	Short Wall	4	6	0.35	0.2	1.68		
		4	4.85	0.35	0.2	1.358		
		4	4.7	0.35	0.2	1.316		
						20.048	20.05	CU.M.
14	Providing UCR Masonry in Cement Mortar 1:6 in Substructure							
	Below G.L.							
	Long Wall	8	5.85	0.45	0.35	7.371		
		6	5.7	0.45	0.35	5.3865		
	Short Wall	4	6	0.45	0.35	3.78		
		4	4.85	0.45	0.35	3.0555		
		4	4.7	0.45	0.35	2.961		
	Above G.L. to Plinth							
	Long Wall	8	5.85	0.45	0.6	12.636		

		6	5.7	0.45	0.6	9.234		
	Short Wall	4	6	0.45	0.6	6.48		
		4	4.85	0.45	0.6	5.238		
		4	4.7	0.45	0.6	5.076		
	Platform							
	Long Wall	4	5.7	0.45	0.5	5.13		
	Short Wall	4	1.8	0.45	0.5	1.62		
	Total					67.968	67.97	CU.M.
15	Providing BBM in Cement Mortar 1:6 in Superstructure							
	Long Wall	8	5.85	0.35	3	49.14		
		6	5.7	0.35	3	35.91		
	Short Wall	4	6	0.35	3	25.2		
		4	4.85	0.35	3	20.37		
		4	4.7	0.35	3	19.74		
	Deductions							
	V1	-36	0.6	0.35	0.6	-4.536		
	Rolling Shutters	-8	1.8	0.35	2.4	-12.096		
	Lintel Beam , Eaves level and gable	-20.05				-20.05		
	Gutter Bottom							
	Long Wall	2	30.7	0.76	0.23	10.73272		
	Short Wall	2	33.4	0.76	0.23	11.67664		
	Gutter sides					0		
	Long Wall	2	30.7	0.23	0.3	4.2366		
	Short Wall	2	33.4	0.23	0.3	4.6092		
	Platform							
	Long Wall	4	5.7	0.35	1.025	8.1795		
	Short Wall	4	1.8	0.35	1.025	2.583		
	TOTAL		1.5			155.6957	155.7	CU.M.
16	Cement Plaster 12 mm thick in single coat in Cement Mortar 1:4 to inside of walls							
	Long Walls	5	30		3	450		
	Short Walls	2	20		3	120		
		4	6		3	72		
	Top sills	5	30		0.35	52.5		
	Deductions							
	V1	-36	0.6		0.6	-12.96		
	Rolling Shutters	-8	1.8		2.4	-34.56		
						646.98	647	SQ.M.
17	Waterproof Cement Plaster 23 (15+8) mm thick in two coat in Cement Mortar 1:4 to external faces of walls							
	Long Walls	2	30.7		3	184.2		
	Short Walls	2	33.4		3	200.4		
	Sides of Columns	48	0.15		5.5	39.6		
	Rolling Shutters							
	Top Sill	4	1.8	0.35		2.52		
	Jams	8		0.35	2.4	6.72		
	Deductions							
	V1	-18	0.6		0.6	-6.48		
	Rolling Shutters	-2	1.8		2.4	-8.64		
						418.32	418	SQ.M.

18	Providing White lime wash in two coats to internal wall of Warehouse							
	Quantity same as that of internal cement plaster					647	647	SQ.M.
19	Providing Colour wash in two coats to External wall of Warehouse							
	Quantity same as that of external cement plaster					418	418	SQ.M.
20	Providing Steel Ventilators weighing 20Kg per Squaremeter and as per drawing and specifications							
	V1 Ventilators	36	0.6		0.6	12.96		
						12.96	12.96	SQ.M.
21	Providing Rolling shutter as per drawing and specifications							
	Rolling Shutters	8	1.8		2.4	34.56		
						34.56	34.56	SQ.M.
22	Providing Synthetic Emulsion painting in three Coats to Steel Ventilators and Rolling Shutters and Stack lines.							
	V1 Ventilators	18	0.6		0.6	6.48		
	Rolling Shutter Warehouse	10	1.8		2.4	43.2		
	Stack lines							
	30*20 Warehouse							
	Long sides	16	6.25		0.1	10		
	Short side	16	8.2		0.1	13.12		
	2*30*6 Warehouse							
	Long sides	16	6.25		0.1	10		
	Short side	16	4.2		0.1	6.72		
						89.52	89.52	SQ.M.
23	H.M. filling with watering and compaction							
	Plinth of Warehouse	1	30	20	1.4	840		
		2	30	6	1.4	504		
	Apron					0		
	Long Wall	2	30.7	0.37	0.3	6.8154		
	Short Wall	2	33.4	0.37	0.3	7.4148		
	Platforms							
		4	5	1.45	0.45	13.05		
						1371.28		
	available murum from excavation					35		
	Murum required to bring from outside is					1336.28	1336	CU.M.
24	Providing PCC 1:2:4 on top of Apron							
	Apron							
	Long Wall	2	30.7	0.65	0.05	1.9955		
	Short Wall	2	33.4	0.65	0.05	2.171		
						4.1665	4	CU.M.

25	Providing Size metal layer on Apron								
	Apron								
	Long Wall	2	30.7	0.65	0.05	1.9955			
	Short Wall	2	33.4	0.65	0.05	2.171			
						4.1665	4	CU.M.	
26	Providing soft murum blindage over apron & Warehouse size metal layer								
	WH	1	30	20	0.025	15			
	Apron								
	Long Wall	2	30.7	0.65	0.05	1.9955			
	Short Wall	2	33.4	0.65	0.05	2.171			
						19.1665			
	available murum from excavation					0			
	Murum required to bring from outside is					19.1665	19	CU.M.	
27	Providing compaction by plate vibrator over apron size metal layer								
	Apron								
	Long Wall	2	30.7	0.65		39.91			
	Short Wall	2	33.4	0.65		43.42			
						83.33	83	SQ.M.	
28	Cement plaster 12 mm thick without cement slurry finish								
	Apron Top								
	Long Wall	2	30.7	0.65		39.91			
	Short Wall	2	33.4	0.65		43.42			
	Gutter								
	Bottom								
	Long Wall	2	30.7	0.3		18.42			
	Short Wall	2	33.4	0.3		20.04			
	Sides								
	Long Wall	2	30.7		0.3	18.42			
	Short Wall	2	33.4		0.3	20.04			
	Long Wall	2	30.7		0.4	24.56			
	Short Wall	2	33.4		0.4	26.72			
	gutter top of wall								
	Long Wall	2	30.7	0.23		14.122			
	Short Wall	2	33.4	0.23		15.364			
	WH								
	Long Wall plinth to Apron level	2	30.7		0.3	18.42			
	Short Wall	2	33.4		0.3	20.04			
	Platforms								
	Long Wall	4	5.7		0.9	20.52			
	Short Wall	8	1.8		0.9	12.96			
						312.956	313	SQ.M.	
29	Providing 1.50 mm thick cement slurry finish to green cement plaster at above complete as directed by Engineer-in-Charge.				Qty same as that of above item	313			
						313	313	SQ.M.	
30	Providing Compacted 200 mm thick Size metal layer in the plinth of Warehouse building								

	WH	1	30	20	0.15	90		
		2	30	6	0.15	54		
						144	144	CU.M.
31-A	Providing PCC 1:1.5:3 , 200 mm thick Trimix Concrete layer in the plinth floor of Warehouse building, M.S. Channel form work, skid vibrator, vacuum dewatering, trovelling with machine, rough finish, groove cutting for construction and expansion joint filling the groove with Thermocol and polysulphide sealent, arranging 3 phase electric supply for the work, complete as per specifications and as directed.							
	WH	1	30	20	0.15	90		
		2	30	6	0.15	54		
	Platforms	4	5.7	1.45	0.2	6.612		
						150.612	150.612	CU.M.
31-B	Trimix vacuum dewatering and trovelling treatment to concrete laid above item	SQ.M.						
	WH	1	30	20		600		
		2	30	6		360		
	Platforms	4	5.7	1.45		33.06		
						993.06	993.06	SQ.M.
31-C	Providing silicate hardner powder on Alliways and Platform top surface at the rate of 6 Kg per Sq.M. including spreading trovelling with machine, rough finish complete as per specifications and as directed.							
	Warehouse Alliways							
	Horizontal Direction	3	30	0.9		81		
		4	30	0.9		108		
	Vertical Direction	4	8.65	1		34.6		
	Vertical Direction	6	8.65	1		51.9		
	Vertical Direction	10	4.2	1		42		
	Platforms	4	5.7	1.8		41.04		
						358.54	358.54	SQ.M.

	Providing and fabricating structural steel work in rolled sections, fixed with connecting plates or angle cleats in main and cross beams, hip and jack rafters, purlins connecting to truss members and the like, as							
32	per detailed designs and drawing or as directed including cutting, fabricating, hoisting, erecting, fixing in position, making riveted/ bolted/ welded connections and one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete.							
	warehouse platform sill angle	8	2.1	4.5	Kg/per M	75.6		
						75.6	0.08	M.T.
33	M.S. Bar Reinforcement							
	Footing	11.81		67	Kg/per CU.M.	791.27		
	Column in Sub and Superstructure	38.85	CU.M	100	Kg/per CU.M.	3885		
	Beam in Sub Structure	12.89	CU.M	80	Kg/per CU.M.	1031.2		
	Beam in Super Structure	20.05	CU.M	80	Kg/per CU.M.	1604		
	Chajjas in Superstructure Structure	1.485	CU.M	50	Kg/per CU.M.	74.25		
			CU.M			7385.72		
					Total	7.386	M.T.	
34	Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted /welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete							
	Area of Warehouse	1	30.7	20.7		635.49		
		2	30.7	6.35		389.89		
						1025.38		
						23		
						23583.74	23.58374	

	Platform	4	5.7	1.8		41.04		
						14		
						574.56	0.57456	M.T.
							24.1583	M.T.
35	Providing and fabricating structural steel work in rolled sections, fixed with connecting plates or angle cleats in main and cross beams, hip and jack rafters, purlins connecting to truss members and the like, as per detailed designs and drawing or as directed including cutting, fabricating, hoisting, erecting, fixing in position, making riveted/ bolted/ welded connections and one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete.							
	Platform M.S.Channel 125x65 mm							
	Long Side	4	5.7			22.8		
	Short Sides	8	1.8			14.4		
						37.2	RM.	
					WT in Kg/ M	13.1		
					TOTAL WT	487.32		
						0.49	0.49	M.T.
36	Providing and laying RCC Chajja in cement concrete 1:1.5:3 for fins and pardiies ,including formwork, vibration, curing ,testing complete as per specifications and as directed.							
	Cantilever pardi							
	Long sides bottom tier	36	0.6	0.6	0.08	1.0368		
	Vertical Fins	72	0.6	0.1	0.08	0.448		
						1.4848	1.485	CU.M.
37	Providing and fixing in position 11.35 M height lightening arrester as per drawing , design, specification complete as directed by Engineer-in-Charge.					1	1	NO.

38	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 center- to-center. The end rib		1					
	Roof	2	30.7	20.66		1268.524		
		2	30.7	6.75		414.45		
	Long side	4	30.7		2.5	307		
	Short side	2	33.4		2.5	167		
	Gable	2	38.8125			77.625		
	Ridge	1	30.7	0.3		9.21		
						2243.809	2243.81	SQ.M.
39	Providing and fixing Turbo ventilators 600 mm diameter of wind operated turbo ventilator system of various sizes over the existing roof including cutting Zinaluminium sheets, proper fixing in position to true line and level with all fixtures and fasteinings including etc. complete							
		4				4	4	NO.

40	<p>Providing and fixing board displaying information, such as Name of Work, Tender Cost, Name of Contractor, Work completion and liability period etc, having rectangular shape of size 1.20x 0.90m made out of 18 gauge (1.25 mm) thick mild steel sheet painted with one coat of zink chromate stoving primer and two coats of enamel paint on back side and border/ messages/ symbols etc with approved colour shade paint complete on M.S.Angle 35x35x3 mm frame with properly cross braced M.S.Angle35x35x3 mm duly painted including two M.S.Angle iron posts of size 65x65x6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc, and fixing the boards in 1:4:8 concrete block of size 60x60x75 cm including excavation ,refilling, trasportation, and labour etc complete</p>	NUMBER				1	As directed by 1 Engineer-in-Charge,SS R NO.6.36
			1				
	<p>Providing and laying Geocell-Techcell CE Marked a three dimensional honeycomb like cellular confinement system having weld spacing 356mm and cell depth 150mm of Techfab India, indigenously manufactured by blend of various polyethylene and additives, polyethylene strips ultrasonically welded consists of a multiple rhomboidal indentations over the entire strip on the prepared subgrade for subgrade stabilization by reinforcement and drainage application for roads, ground improvement work and erosion control of slopes etc. complete. (Specification: MORTH Section-700) with prior approval of concerned Superintending Engineer.</p>						
	C1 Column	4	1.4	1.4		7.84	
	C2 Column	8	1.25	1.25		12.5	
	C3 Column	6	1.25	1.25		9.375	
	C4 Column	8	1.25	1.25		12.5	

	C5 Column	4	1.4	1.4		7.84		
	Warehouse					0		
		1	30	20		600		
		2	30	6		360		
						1010.055	1010	



PROPOSED CONSTRUCTION OF 1788 M.T. WAREHOUSE, WITH ANCILLARY WORKS AT GAT NO.60, RAHATI, TAL-AND DIST. PARBHANI.						
NAME OF COMPANY:-- DHANSANCHAY AGRO PRODUCER CO.LTD., RAHATI, TAL-AND						
ABSTRACT OF MEASUREMENTS FOR ROADS						
SR.NO.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT	REMARK
1	Excavation for roadway in earth,soil of all sorts ,sand ,gravel or soft murum including dressing section to required grade,camber, and side slopes and conveying the excavated material with all lifts upto lead of 50 m and spreading for embankment or stacking as directed	CU.M.	1236.06	104	128550.2	MORTH 301
2	Excavation for roadway in hard murum including dressing section to required grade,camber, and side slopes and conveying the excavated material with all lifts upto lead of 50 m and spreading for embankment or stacking as directed	CU.M.	1236.06	121	149563.3	MORTH 301
3	Supplying Oversize metal	CU.M.	235.44	885	208364.4	
4	Supplying Size metal	CU.M.	176.58	885	156273.3	
5	Supplying Soft murum as blindage	CU.M.	58.86	49	2884.14	
6	Spreading Oversize metal	CU.M.	235.44	49	11536.56	
7	Spreading Size metal	CU.M.	176.58	49	8652.42	

8	Watering and Copaction by 10 T Roller, metal layers, blindage complete as per specifainsand as directed.	SQ.M.	4708.8	10	47088		
9	Provoding and fixing 300 X450 X200 MM Precast RCC Kerb sone, complete as per specifications and as directed.	RM	392.4	600	235440	MR	
10	Providing 50 mm thick semigrout bituminus treatment including supplying all materials, preparing existing road surface, applying tack coat@ 0.735 kg/sq.m. and laying the required thickness of metal layer, heatingand spreading the bitumen of specific grade at the rate Of 2.75 kg/sq.m. spreading chips , laying seal coatof specified bitumen grade at the rate of 1.25 kg/sq.m. and compacting making the surface good etc; complete (VG 30 bulk bitumen ratesare considered to arrive at the rate)	SQ.M.	0	447	0	RD-45/3/1	
				TOTAL	948352.3		
					948352		

PROPOSED CONSTRUCTION OF 1788 M.T. WAREHOUSE, WITH ANCILLARY WORKS AT  
GAT NO.60, RAHATI, TAL-AND DIST. PARBHANI.

NAME OF COMPANY:-- DHANSANCHAY AGRO PRODUCER CO.LTD., RAHATI, TAL-AND

MEASUREMENTS FOR ROADS

SR.NO.	DESCRIPTION OF ITEM	NO.	LENGTH	BREADTH	HEIGHT	QUANTITY	TOTAL QTY	UNIT
	Length of Road around Warehouse	156.2						
	Approach Road	40	Approximate					
	TOTAL LENGTH	196.2	M					
1	Excavation in soil plus soft murum							
		1	196.2	7	0.9	1236.06	1236.06	CU.M.
2	Hard murum embakment with watering and compaction							
		1	196.2	7	0.9	1236.06	1236.06	CU.M.
		1	196.2	8		1569.6	1570	SQ.M.
3	Supplying Oversize metal							
	Compacted Qty	1	196.2	6	0.15	176.58		
	Multyplying Factor					1.333333		
	TOTAL QTY.					235.44	235.44	CU.M.
4	Supplying Size metal							
	Compacted Qty	1	196.2	6	0.1	117.72	CU.M.	
	Multyplying Factor					1.5		
	TOTAL QTY.					176.58	176.58	CU.M.
5	Supplying Soft murum as blindage							
	over size metal Layer	1177.2	0.025			29.43		
	Size metal layer	1177.2	0.025			29.43		
						58.86	58.86	CU.M.
6	Spreading Oversize metal					235.44	235.44	CU.M.
7	Spreading Size metal					176.58	176.58	CU.M.
8	Watering and Copaction by 10 T Roller, metal layers, blindage complete as per specifainsand as directed.							
	Oversize metal layer	1						
	Bilndage over Oversize metal	1						
	Size metal layer	1						







PROPOSED CONSTRUCTION OF 1788 M.T. WAREHOUSE, WITH ANCILLARY WORKS AT GAT NO.60,  
RAHATI, TAL-AND DIST. PARBHANI.

NAME OF COMPANY:-- DHANSANCHAY AGRO PRODUCER CO.LTD., RAHATI, TAL-AND DIST- PARBHANI

ABSTRACT OF MEASUREMENTS FOR COMPOUND WALL

SR.NO.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT	REMARK, Standard Specificati
1	Excavation in soil plus soft murum with all leads and lifts, with backfilling the trenches and dewatering complete.(Mannually)	CU.M.	167	232	38744	BDA-1/Pag
2	Excavation in Hard murum with all leads, lifts including backfilling the trenches and dewatering complete.	CU.M.	10	354	3540	BDA-1/Pag
3	Providing and laying 0.60 meter thick metal mat consisting of rubble, oversize metal and normal size metal in specified thickness as per detailed drawing including supplying all materials, hand packing of rubble, spreading metal in layers and hard murum including watering and compaction with power roller etc. complete	CU.M.	82	915.33	75057.06	BDA-1/Pag
4	Providing and laying Geocell-Tech	CU.M.	209	560	117040	SSR 50.38(a), MORTH Section 700.
5	Providing Hard Murum in plinth with approved material obtained from contractors source with all leads and lifts , laying layers of 20 to 30 cm; breaking clods to the required lines, grades, and curves and section,watering compaction not less than 97% of Standard Proctor Density etc. complete	CU.M.	28.2	546	15397.2	SSR 25/383

6	Providing ,laying, PCC 1:4:8 including formwork, compaction , curing with all leads and lifts complete as per specifications.	CU.M.	21	5258	110418	BDE-1/P/28
7	Providing Uncoarsed rubble masonry for substructure in Cement Mortar (1:6) , curing, scaffolding complete as per specifications and as directed by Engineer-in-Charge.	CU.M.	49	4757	233093	BDF-3/P/29
8	Providing Uncoarsed rubble masonry for superstructure in Cement Mortar (1:6) , curing, scaffolding complete as per specifications and as directed by Engineer-in-Charge.	CU.M.	37	5238	193806	BDF-5/P/30
9	Providing RCC 1:1.5:3 for Coping including, formwork, compaction by virator, curing, testing etc. with all leads and lifts , complete as per specifications.	CU.M.	4	11483	45932	BDF-5/P/30
10	Providing RCC 1:1.5:3 for Footing in Substructure including, formwork, compaction by virator, curing, testing etc. with all leads and lifts , complete as per specifications.	CU.M.	1	6666	6666	
11	Providing RCC 1:1.5:3 for Column in Superstructure and Superstructure including, formwork, compaction by virator, curing, testing etc. with all leads and lifts , complete as per specifications.	CU.M.	1.49	12987	19350.63	

12	Providing RCC 1:1.5:3 for Beam in Substructure and Superstructure including, formwork, compaction by vibrator, curing, testing etc. with all leads and lifts , complete as per specifications.	CU.M.	0.81	11483	9301.23	BDF-5/P/30
13	Providing, fabricating, fixing in required position with holdfast ,fixtures and fastening, one coat of red oxide paint and two coats of oil paintin complete as per drawing and design at 35 kg per Sq.M. and as directed by the Engineer -in-Charge.	M.T.	0.294	89181	26219.214	BDG-1/P/3
14	Proving V cement pointing in cement mortar (1:3) with racking joints, cleaning curing , scaffolding complete as per specificationand as directed by the Engineer-in- Charge.	SQ.M.	0	163	0	BDG-5/P/3
15	Waterproof sand faced Cement Plaster externally in C.M.1:4 using approved screened sand in all positions including base coat Of 15 mm thick,in C.M. 1:4,using Waterproof Compound at 1 kg per cement bag, curing the same for not less than two days and keeping the surface of the base coat rough to receive sand face treatment 6 to 8 mm thick in C.M.1:4 finishing the surface by taking out grains and curing for 14 days scaffolding etc complete.	SQ.M.	0	599	0	
16	Providing Colour wash in two coats to External wall of Warehouse, scaffolding etc, complete as per specifications.	SQ.M.	40.84	17	694.28	

17	M.S.TMT Fe-500 Grade Bar Reinforcement conforming to IS:226 and IS:2062, including cutting, bending, binding with M.S. G.I. wires, placing in position , testing complete as per specifications and as directed.	M.T.	0.23	71778	16508.94	BDF-17/P/3
18	Providing and erecting Y type barbed wire fencing with seven rows of wire with 2.45 mm dia G.I. pipe ( Rezan/ concentiDeleted ire 0.75 mm dia ) with hot dip and G.I. coated hooks as per drawing supported on M.S. angle 50 x 50 x 6 mm at 2.5 mtr. c/c including fixing and fastening with wire, painting M.S. angles with one coat of red lead primer and two coat of oil paint etc. complete	R.M.	267.95	824	220790.8	BDF-5/P/30
				Total	1132558.35	
				TOTAL	1132558	

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37



38 &B-7/P/38

30 &B-7/P/38

30 &B-7/P/38



00 & B-7/P/38

13

15

306



00 &B-7/P/38



PROPOSED CONSTRUCTION OF 1788 M.T. WAREHOUSE, WITH ANCILLARY WORKS AT GAT NO.60, RAHATI, TAL-AND DIST. PARBHANI.

NAME OF COMPANY:-- DHANSANCHAY AGRO PRODUCER CO.LTD., RAHATI, TAL-AND DIST-PARBHANI

SR.NO.	DESCRIPTION OF ITEM	NO.	LENGTH	BREADTH	HEIGHT	QUANTITY	TOTAL QTY	UNIT
	COMPOUND WALL							
	LENGTH							M
	SOUTH		41.46					
	NORTH		54.89				96.35	
	BREADTH							M
	EAST		50.3					
	WEST		51.3					
							101.6	
	APPROCH ROAD							M
	EAST		35					
	WEST		35					
							70	
	TOTAL LENGTH						267.95	M
	Excavation in soiland 1 soft murum etc							
	Long Wall	1	96.35	0.75	0.8	57.81		
	Short wall	1	101.6	0.75	0.8	60.96		
	Approach	1	70	0.75	0.8	42		
	Gate				0.8	0		
	Columns	2	1.6	1.6	0.8	4.096		
	Wall	1	3.3	0.75	0.8	1.98		
						166.846	167	CU.M
	Excavation in Hard 2 murum --							
	Long Wall	1	96.35	0.75	0.05	3.613125		
	Short wall	1	101.6	0.75	0.05	3.81		
	Approach	1	70	0.75	0.05	2.625		
	Gate				0.05	0		
	Columns	2	1.6	1.6	0.05	0.256		
	Wall	1	3.3	0.75	0.05	0.12375		
						10.42788	10	CU.M

	Providing and laying 0.60 meter thick metal mat consisting of rubble, oversize metal and normal size metal in specified thickness as per detailed drawing including supplying all materials, hand packing of rubble, spreading metal in layers and hard murum including watering and compaction with power roller etc. 3 complete							
Long Wall		1	96.35	0.75	0.4	28.905		
Short wall		1	101.6	0.75	0.4	30.48		
Approach		1	70	0.7	0.4	19.6		
Gate						0		
Columns		2	1.6	1.6	0.4	2.048		
Wall		1	3.3	0.75	0.4	0.99		
						82.023	82	CU.M

	<p>Geocell-Techcell CE  Marked a three dimensional honeycomb like cellular confinement system having weld spacing 356mm and cell depth 150mm of Techfab India, indigenously manufactured by blend of various polyethylene and additives, polyethylene strips ultrasonically welded consists of a multiple rhomboidal indentations over the entire strip on the prepared subgrade for subgrade stabilization by reinforcement and drainage application for roads, ground improvement work and erosion control of</p>							
4	Long Wall	1	96.35	0.75		72.2625		
	Short wall	1	101.6	0.75		76.2		
	Approach	1	70	0.75		52.5		
	Gate							
	Columns	2	1.6	1.6		5.12		
	Wall	1	3.3	0.75		2.475		
						208.5575	209	SQ.M.

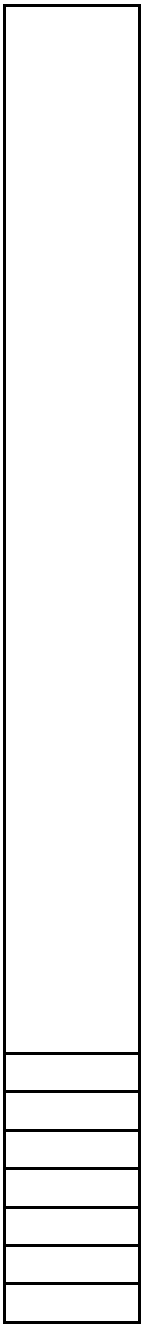
5	Providing Hard Murum in plinth with approved material obtained from contractors source with all leads and lifts , laying layers of 20 to 30 cm; breaking clods to the required lines, grades, and curves and section,watering compaction not less than 97% of Standard Proctor Density etc. complete								
	Excavation quantity					167	167	CU.M	
	Less								
	Rubble soling					-82			
	Geocells filling	-209	0.2			-41.8			
	PCC 1:4:8					-21			
	U.C.R. Masonry below G.L.					-49			
						-26.8	-26.8	CU.M	
	H.M. to be brought from outside						28.2	CU.M	
6	Providing C.C (1:4:8) for bed concrete---								
	Long Wall	1	96.35	0.75	0.1	7.22625			
	Short wall	1	101.6	0.75	0.1	7.62			
		1	70	0.75	0.1	5.25			
	Gate				0.15	0			
	Columns	2	1.6	1.6	0.1	0.512			
	Wall	1	3.3	0.9	0.1	0.297			
						20.90525	21	CU.M	
7	Providing Uncoarsed Rubble Masonry in Substructure in C.M.(1:6)---								
	Long Wall	1	96.35	0.6	0.3	17.343			
	Short wall	1	101.6	0.6	0.3	18.288			
		1	70	0.6	0.3	12.6			
	Wall	1	5.15	0.6	0.3	0.927			
						49.158	49	CU.M	

	Providig Uncoarsed Rubble Masonry in Superstructure in C.M.(1:6)---								
8	Long Wall	1	96.35	0.45	0.3	13.00725			
	Short wall	1	101.6	0.45	0.3	13.716			
		1	70	0.45	0.3	9.45			
	Wall	1	5.15	0.45	0.3	0.69525			
						36.8685	37		CU.M
9	RCC coping (1:1.5:3) At plinth								
	Long Wall	1	68.475	0.45	0.1	3.081375			
	Short wall	1	18.29	0.45	0.1	0.82305			
						3.904425	4		CU.M
10	RCC Footing (1:1.5:3) Column footings	2	1.3	1.3	0.3	1.014			
						1.014	1		CU.M
11	RCC Column (1:1.5:3)								
		2	0.45	0.6	2.65	1.431			
	Conical portion	2	0.45	0.6	0.108333	0.0585			
						1.4895	1.49		CU.M
12	RCC BEAM (1:1.5:3)								
		1	6	0.45	0.3	0.81	0.81		CU.M
13	M.S Gate 35Kg/SQ.M.								
		1	6		1.4	8.4			
					35	294	0.294		M.T.
14	Cement pointing At plinth								
	Long Wall	1	96.35		0.3	28.905			
	Short wall	1	101.6		0.3	30.48			
	Approach	1	70		0.3	21			
						80.385	80.39		SQ.M
15	Providing sand faced cement plaster in two coats 15 Plus 8 mm, in C.M.(1:4)								
	Cement plaster to pillars above ground								
						0	0		SQ.M
16	Providing colour was paint QTY same as that of Above					0	0		SQ.M















PROPOSED CONSTRUCTION OF 1788 M.T.WAREHOUSE BUILDING, GRAIN CLEANING AND GRADING UNIT

NAME OF COMPANY:-- DHANSANCHAY AGRO PRODUCER CO.LTD., RAHATI, TAL-AND DIST- PARBHANI

ROYALTY CHARGES STATEMENT

SR.NO.	PARTICULARS OF ITEM	EXECUTED QTY	UNIT	MATERIAL QTY FOR ROYALTY	TOAL CEMENT IN BAGS	SAND	TOTAL SAND QTY. IN CU.M	MURUM/ CU.M	TOTAL QTY OF MURUM IN CU.M.	Metal/ CU.M.	TOTAL QTY OF METAL IN CU.M.	QTY OF RUBBLE PER CU.M	TOTAL RUBBLE QTY	TOTAL ROYALTY CHARGES
WH				CEMENT/ CU.M										
1	UCR M IN CM1:6 SUB STRUCTURE	67.97	CU.M	1.7	115.55	0.35	23.79					1.16	78.8452	
2	BBM IN CM1:6 SUPERSTRUCTURE	155.7	CU.M	1.58	246.01	0.32	49.82							
3	Sandfaced cement paster in two coats (approved screened sand)	418	SQ.M.	0.17	71.06	0.025	10.45							
4	Internal cement plaster 12 mm thk. Single coat in C.M.(1:4)	647	SQ.M.	0.17	109.99	0.025	16.18							
4	Hard Murum	1336	CU.M.					1.2	1603.2					
5	Stone Metal Layer	144	CU.M.							1.32	190.08			
6	CONCRETE FLOORING M-2	150.612	SQ.M	7	52.7142	0.43	3.238158							
7	RCC Footing (1:1.5:3)	11.81	CU.M.	7	82.67	0.43	5.08							
9	RCC Beam (1:1.5:3)	32.94	CU.M.	7	230.58	0.43	14.16							
10	RCC Chajjas (1:1.5:3)	1.485	CU.M.	7	10.4	0.43	0.64							
11	PCC (1:4:8))	210	CU.M.	3.4	714	0.44	92.4							
	TOTAL				1632.974		100.24		1603.2		190.08		78.8452	
	ROYALTY CHARGES						212.01		212.01		212.01		212.01	
							21251.88		339894.4		40298.86		16715.97	418161.1

PROPOSED CONSTRUCTION OF 1788 M.T.WAREHOUSE BUILDING, GRAIN CLEANING AND GRADING UNIT

NAME OF COMPANY:-- DHANSANCHAY AGRO PRODUCER CO.LTD., RAHATI, TAL-AND DIST- PARBHANI

ROYALTY CHARGES STATEMENT

SR.N.	PARTICULARS OF MATERIAL	QTY	UNIT	TESTS TO BE CARRIED OUT	NO. OF TEST	RATE	AMOUNT	REMARK
1	Cement	82	M.T.	Fineness, Consistency, Setting Time, Compressive Strength, Specific Gravity.	1	7540	7540	One per 50 M.T.
2	Cement Concrete M-20	53.7656	CU.M.	Compressive Cube Strength	5	1380	6900	Upto 50 Cu.M. Plus one for additional 50 Cu.M. or part of it.
3	Bricks	155.7	CU.M.	Water Absorption(Set of 5)	2	1900	3800	One per 50000 No.
				Compressive Strength(Set of 5No.)				
				Efflorescence( Set of 5No.)				
4	Sand	100.24	CU.M.	Fineness, Modulus, Silt Content	1	1950	1950	One per source.
5	Murum	1603.2	CU.M.	Gradation	2	600	1200	One test per 400 Cu.M.
6	Mild Steel	7.386	M.T.	Ultimate Tensile Test, Wt	2	1275	2550	One per 10 M.T. for each category of Diameter of bar.
7	Srructural steel	24.1583						
		0.845541	M.T.					
	TOTAL RS					RS.	23940	

**PROPOSED CONSTRUCTION OF GRAIN CLEANING AND GRADING UNIT, WITH ANCILLARY WORKS  
AT GAT NO.60, RAHATI, TAL-AND DIST. PARBHANI.**

**NAME OF COMPANY:-- DHANSANCHAY AGRO PRODUCER CO.LTD., RAHATI, TAL-AND DIST-  
PARBHANI**

**ABSTRACT OF MEASUREMENTS**

SR.NO.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT	REMARK, Standard Specification Reference.
1	Excavation in soil plus soft murum with all leads and lifts, with backfilling the trenches and dewatering complete.(Mannually)	CU.M.	92	232	21344	BDA-1/Page No. 259
2	Excavation in Hard murum with all leads, lifts including backfilling the trenches and dewatering complete.	CU.M.	60	354	21240	BDA-1/Page No. 259
3	Excavation in Hard murum and Boulders with all leads and lifts including backfilling the trenches and dewatering complete.( Mechanical means)	CU.M.	20	235	4700	BDA-1/Page No. 259
4	Excavation in Soft Rock with all leads and lifts, backfilling the trenches and dewatering complete.(Mechanical means)	CU.M.	1	291	291	BDA-1/Page No. 259

5	Excavation in Hard Rock with pneumatic breaker, all leads and lifts, backfilling the trenches and dewatering complete.(Mechanical means)	CU.M.	0	1051	0	BDA-1/Page No. 259
6	providing anti-termite treatment to trenches with 5 liters per Sq.M. area by 1liter Chlorophyrifos plus+19 liters of water i.e. 20% Emulsionas, per specifications and dose directed by Engineer-in-Charge, complete.					As directed by Engineer-in-Charge.
A	Bottom surface of trench	SQ.M.	135	92	12420	
B	Backfilling of Trenches	SQ.M.	24	97	2328	
C	Plinth and Apron	SQ.M.	118	94	11092	
7	Providing ,laying, PCC 1:4:8 including formwork, compaction , curing with all leads and lifts complete as per specifications.	CU.M.	25	5258	131450	BDE-1/P/287
8	Providing RCC 1:1.5:3 for footing including, formwork, compaction by virator, curing etc. with all leads and lifts , testing, complete as per specifications.	CU.M.	3	6666	19998	BDF-3/P/298 &B-7/P/38

9	Providing RCC 1:1.5:3 for Column in Substructure including, formwork, compaction by vibrator, curing, testing etc. with all leads and lifts , complete as per specifications.	CU.M.	2	12987	25974	BDF-5/P/300 &B-7/P/38
10	Providing RCC 1:1.5:3 for Column in Superstructure including, formwork, compaction by vibrator, curing, testing etc. with all leads and lifts , complete as per specifications.	CU.M.	9	12987	116883	BDF-5/P/300 &B-7/P/38
11	Providing RCC 1:1.5:3 for Beam in Substructure including, formwork, compaction by vibrator, curing , testingetc. with all leads and lifts , complete as per specifications.	CU.M.	2.09	11483	23999.47	BDF-5/P/300 &B-7/P/38
12	Providing RCC 1:1.5:3 for Beam in Superstructure including, formwork, compaction by vibrator, curing, testing etc. with all leads and lifts , complete as per specifications.	CU.M.	4.19	11483	48113.77	BDF-5/P/300 &B-7/P/38
13	Providing BBM in Cement Mortar 1:6 in Substructure with scaffolding, curing , testing all teads and lift complete as per specifications.	CU.M.	25.71	7343	188788.5	BDG-1/P/313

14	Providing BBM in Cement Mortar 1:6 in Superstructure with scaffolding, curing , testing all teads and lift complete as per specifications.	CU.M.	39.38	7570	298106.6	BDG-5/P/315
15	Cement Plaster 12 mm thick in single coat in Cement Mortar 1:5 to inside of walls with scaffolding ,curing complete as per specifications.	SQ.M.	79	264	20856	BDL-2A/P/368
16	Waterproof sand faced Cement Plaster externally in C.M.1:4 using approved screened sand in all positions including base coat Of 15 mm thick,in C.M. 1:4,using Waterproof Compound at 1 kg per cement bag, curing the same for not less than two days and keeping the surface of the base coat rough to receive sand face treatment 6 to 8 mm thick in C.M.1:4 finishing the surface by taking out grains and curing for 14 days scaffolding etc complete.	SQ.M.	358	599	214442	
17	Providing White lime wash in two coats to internal wall of Warehouse, scaffolding etc complete as per specifications.	SQ.M.	79	11	869	

18	Providing Colour wash in two coats to External wall of Warehouse, scaffolding etc, complete as per specifications.	SQ.M.	200	17	3400	
19	Providing Steel Ventilators as per drawing , scaffolding etc complete as per specifications.	SQ.M.	4.32	1917	8281.44	
20	Providing Mild Steel Rolling Shutters as per drawing , scaffolding etc complete as per specifications.	SQ.M.	18	4310	77580	
21	Providing Synthetic Emulsion painting in three Coats to Steel Ventilators and Rolling Shutters.	SQ.M.	49.32	88	4340.16	
22	Providing Hard Murum in plinth with approved material obtained from contractors source with all leads and lifts , laying layers of 20 to 30 cm; breaking clods to the required lines, grades, and curves and section,watering compaction not less than 97% of Standard Proctor Density etc. complete	CU.M.	131	546	71526	SSR 25/383
23	Providing ,laying PCC M 15 on top of Apron compaction, curing , testing complete as per specifications.	CU.M.	1	6030	6030	BDE-2/P/288

24	Providing Size metal layer , complete as per specifications and as directed by Engineer-in-Charge..	CU.M.	2	1621	0	CD-1/P/159
25	Providing soft murum blindage over apron and size metal layer in plinth, watering, compaction by plate vibrator/ 10 T Roller, complete as per specifications.	CU.M.	3	395	1185	SSR 25/383
26	Providing watering, compaction by plate vibrator over apron size metal layer complete as per specifications.	SQ.M.	21	50	1050	M.R.
27	Providing Cement plaster 12 mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surface in all positions, including curing , scaffolding complete as per specifications and as directed by Engineer-in-Charge.	SQ.M.	120	264	31680	BDL2/P/368
28	Providing fine cement finish 1.50 mm thick over green plaster surface including scaffolding curing etc, complete	SQ.M.	120	68	8160	As directed by Engineer-in-Charge.

29	Providing Compacted 200 mm thick 65% Oversize plus 35% Size metal layer in the plinth of Warehouse building ,spreading, watering ,compaction by 10 T roller, including soft murum as blindage complete as per specifications	CU.M.	22	1302	28644	AS per R.A.
30	Providing Compacted 200 mm thick natural river Sand layer in the plinth of Warehouse building	CU.M.	22	2010	44220	SSR P/389
31	Providing PCC 1:1.5:3 , 200 mm thick Trimix Concrete layer in the plinth floor of Warehouse building, M.S. Channel form work, skid vibrator, vacuum dewatering, trovelling with machine, rough finish, groove cutting for construction and expansion joint filling the groove with Thermocol and polysulphide sealent, arranging 3 phase electric supply for the work, complete as per specifications and as directed.	CU.M.	26	6365	165490	BDE-2/P/288

32	Trimix vacuum dewatering and trovelling treatment to concrete laid above item	SQ.M.	128	60	7680	M.R.
33	Providing silicate hardner powder on Allways and Platform top surface at the rate of 6 Kg per Sq.M. including spreading trovelling with machine, rough finish complete as per specifications and as directed.	SQ.M.	128	300	38400	M.R.
34	Proving and fixing M.S. Sill Angle of size 50x50 6mm at Rolling Shutter Door inclung hold fast, line level complete as per specifications.	M.T.	0.0324	89181	2889.464	BDC2/P/275
35	M.S.TMT Fe-500 Grade Bar Reinforcement conforming to IS:226 and IS:2062, including cutting, bending, binding with M.S. G.I. wires, placing in position , testing complete as per specifications and as directed.	M.T.	4.36	71778	312952.1	BDF-17/P/306

36	Providing Mild Steel Structureals, conforming to IS:226 and IS:2062, Beams, angles, plate, Channel, nuts and bolts with fabrication ,erection, scaffolding , Cleaning, applying, Red Oxide primer one coat and oil paing in two coats, testing, with all leads and lifts complete as per specifications and as diredted.	M.T.	3.41	89181	304107.2	BDC-2/P/275
37	o.9 m high and three rows S.S Railing of 304 grade complete as per specifications and as directed.	RM.	3.4	4004	13613.6	BDW & As directed by ENC.
38	Providing, ISMC 150X75 MM, fabricating, fixing inpostion with holdfast, one coat of red oxide primer and two coats of oil paint, etc complete as per specification complete as directed.	M.T.	0.29	89181	25862.49	BDC-2/P/275

39	Providing Country Cut Teak Wood Frame of 125x65 mm size frame with/ without ventilator of size specified for doors including champhering , rounding rebating, fixing iron holdfast of size 300x40x5 mm, one coat of primer and two coats of oil paint, complete as per specification and as directed by Engineer-in-Charge.	CU.M.	0.048	183164	8791.872	SSR P/389
40	Providing and fixing solid core flush door shutter in single leaf 32 mm thick without ventilators, commercial type of exterior grade as per detailed drawing, with wrought iron holdfast , stainless steel fixtures and fastenings, one coat of primer and two coats of oil paint, complete as directed	SQ.M.	2.051	2652	5439.252	BDT-36/P/500

41	<p>Providing and fixing in position (as per IS:1868/1988), the sliding window of two track with rectangular pipe having overall dimension 63.50x 38.1x1.02 mm at weight 0.547 Kg/R.M. and window frame track section 40x18x1.25 mm at weight 0.417 Kg/ R.M. as per detailed drawing and as directed by Engineer-in-Charge with all necessary fixtures and fastenings such as roller bearings in nylon casing and self locking catch fitted in vertical section of shutter including 5 mm thick plain glass with all required screws and nuts etc, complete.</p>	SQ.M.	1.8	4794	8629.2	BDT and as directed by Engineer-in-Charge
42	<p>providing sills of granite 20 to 25 mm thick on a bed of Cement Mortar 1:4 including cement float , filling joints with neat cement slurry , curing , polishing, moulding edges, cleaning complete</p>	SQ.M.	2.2	3872	8518.4	BDM-31/P/393
43	<p>Letter painting "DANSANCHAY AGRO PRODUCERS COMPANY LIMITED, RAHATI, PARBHANI."</p>	SQ.M.	7.35	600	4410	Market Rate

44	Providing and fixing in required position skirting or dado of polished Kotah stone slab of 40 to 50 mm thick fixed on plaster in C.M.(1:4) including cement float , filling joints with cement slurry , curing, rubbing, polishing and cleaning complete.	SQ.M.	36.24	1281	46423.44	BDM and as directed by Engineer-in-Charge.
45	Providing and fixing 0.5 mm thick ISI mark Colour coated Galvanised Iron sheets roofing including G.I. "J" or "L" hook bolts, G.I. and Bitumen washers Galvanized Iron clamps , bolts, nuts and scaffolding complete with all leads and lifts, as per specification and as directed by Engineer-in-Charge.	SQ.M.	403.58	816	329321.3	SSR P/389
46	Providing and fixing 0.5 mm thick ISI mark Colour coated Galvanised Iron sheets ridge capping on roofing including G.I. "J" or "L" hook bolts, G.I. and Bitumen washers Galvanized Iron clamps , bolts, nuts and scaffolding complete with all leads and lifts, as per specification and as directed by Engineer-in-Charge.	SQ.M.	3.49	816	2847.84	SSR P/389

47	Providing 300 mm diameter turbo-ventilators including fixing in position with all fixtures and fastenings complete as directed.	Number	2	6336	12672	M.arket Rate
48	Providing and laying RCC Chajja in cement concrete 1:1.5:3 for fins and pardies ,including formwork, vibration, curing ,testing complete as per specifications and as directed.	CU.M.	1.44	17214	24788.16	BDF-16/P/306/ IS:456(2004)
49	Providing 50 mm thick Damp proof Course CC (1:2:4) layer and using bitumen/cement, waterproofing compound, curing , formwork complete as directed by Engineer-in-Charge.	SQ.M.	9.982	404	4032.728	BDJ-2/P/355
50	Providing , fabricating, fixing in position M.S. Ladder as per drawing and design, one coat of red oxide primer and two coats of oil paint complete as per specifications and as directed by the Engineer-in-Charge.	M.T.	0.19	89181	16944.39	BDC2/P/275
51	Providing and fixing in position 11.35 M height lightening arrester as per drawing , design, specification complete as directed by Engineer-in-Charge.	Number	1	8000	8000	M.R.

52	Providing stack line in oil painting complete as per drawing and design complete and as directed	SQ.M.	3.494	88	307.472	
				Total	2801113	
				TOTAL	2801113	

PROPOSED CONSTRUCTION OF 1788 M.T.GRAIN CLEANING AND GRADING UNIT, WITH  
ANCILLARY WORKS AT GAT NO.60, RAHATI, TAL-AND DIST. PARBHANI.

NAME OF COMPANY:-- DHANSANCHAY AGRO PRODUCER CO.LTD., RAHATI, TAL-AND DIST-

ESTIMATE FOR PROPOSED CONSTRUCTION OF GRAIN CLEANING AND GRADING UNIT , AT GAT NO.724,  
TALUKA-PARBHANI, DIST. PARBHANI.

CLIENT:-- DATTAPRAYAG AGRO PRODUCERS COMPANY LTD., PARBHANI..

SR.NO.	DESCRIPTION OF ITEM	NO.	LENGTH	BREADTH	HEIGHT	QUANTITY	TOTAL QTY
	WAREHOUSE BUILDING 2000 M.T.						
1	Excavation in soil plus soft murum						
	C1 Column	3	1.4	1.4	0.45	2.646	
	c2 Column	2	1.25	1.4	0.45	1.575	
	C3	1	1.25	1.4	0.45	0.7875	
	Long Wall	4	3.775	0.65	0.45	4.41675	
	Short Wall	1	5.025	0.65	0.45	1.4698125	
		1	3.945	0.65	0.45	1.1539125	
	Plinth(Provisional)	1	11.27	9.85	0.45	49.954275	
	Apron				0.45		
	Long Wall	2	10.55	0.22	0.45	2.0889	
	Short Wall	1	11.97	0.22	0.45	1.18503	
	Gutter				0.45	0	
	Long Wall	2	10.55	1.06	0.45	10.0647	
	Short Wall	2	11.97	1.06	0.45	11.41938	
	Platform				0.45		
	Long Wall	2	4.75	0.75	0.45	3.20625	
	Short Wall	4	1.5	0.75	0.45	2.025	
	Slant wall	4	0.3	0.75	0.45	0.405	
	TOTAL					92.39751	92
2	Excavation in Hard murum						
	C1 Column	3	1.4	1.4	0.55	3.234	
	c2 Column	2	1.25	1.4	0.55	1.925	
	C3	1	1.25	1.4	0.55	0.9625	
	Long Wall	4	3.775	0.65	0.55	5.39825	
	Short Wall	1	5.025	0.65	0.55	1.7964375	
		1	3.945	0.65			
	Plinth(Provisional)	1	11.27	9.85	0.15	16.651425	
	Apron				0.45		
	Long Wall	2	10.55	0.22	0.45	2.0889	
	Short Wall	1	11.97	0.22	0.45	1.18503	
	Gutter				0.45	0	
	Long Wall	2	10.55	1.06	0.45	10.0647	
	Short Wall	2	11.97	1.06	0.45	11.41938	

	Platform				0.45		
	Long Wall	2	4.75	0.75	0.45	3.20625	
	Short Wall	4	1.5	0.75	0.45	2.025	
	Slant wall	4	0.3	0.75	0.45	0.405	
	TOTAL					60.3618725	60
3	Excavation in Hard murum and Boulders						
	C1 Column	3	1.4	1.4	0.1	0.588	
	c2 Column	2	1.25	1.4	0.1	0.35	
	C3	1	1.25	1.4	0.1	0.175	
	Long Wall	4	3.775	0.65	0.1	0.9815	
	Short Wall	1	5.025	0.65	0.1	0.326625	
		1	3.945	0.65			
	Plinth(Provisional)	1	11.27	9.85	0.1	11.10095	
	Apron				0.1		
	Long Wall	2	10.55	0.22	0.1	0.4642	
	Short Wall	1	11.97	0.22	0.1	0.26334	
	Gutter				0.1	0	
	Long Wall	2	10.55	1.06	0.1	2.2366	
	Short Wall	2	11.97	1.06	0.1	2.53764	
	Platform				0.1		
	Long Wall	2	4.75	0.75	0.1	0.7125	
	Short Wall	4	1.5	0.75	0.1	0.45	
	Slant wall	4	0.3	0.75	0.1	0.09	
	TOTAL					20.276355	20
4	Excavation in Soft Rock						
	C1 Column	3	1.4	1.4	0.025	0.147	
	c2 Column	2	1.25	1.4	0.025	0.0875	
	C3	1	1.25	1.4	0.025	0.04375	
	Long Wall	4	3.775	0.65	0.025	0.245375	
	Short Wall	1	5.025	0.65	0.025	0.08165625	
		1	3.945	0.65	0.025	0.06410625	
	Plinth(Provisional)		11.27	9.85	0.025		
	Apron				0.025	0	
	Long Wall	2	10.55	0.22	0.025	0.11605	
	Short Wall	1	11.97	0.22	0.025	0.065835	
	Gutter						
	Long Wall	2	10.55	1.06			
	Short Wall	2	11.97	1.06			
	Platform				0.025	0	

	Long Wall	2	4.75	0.75	0.025	0.178125	
	Short Wall	4	1.5	0.75	0.025	0.1125	
	Slant wall	4	0.3	0.75	0.025	0.0225	
						1.1643975	1
6A	providing anti-termite treatment to						
	Bottom						
	Bottom						
	C1 Column	3	1.4	1.4		5.88	
	c2 Column	2	1.25	1.4		3.5	
	C3	1	1.25	1.4		1.75	
	Long Wall	4	3.775	0.65		9.815	
	Short Wall	1	5.025	0.65		3.26625	
		1	3.945	0.65			
	Plinth(Provisional)	1	11.27	9.85		111.0095	
6B						135.22075	135
	Backfilling trenches & plinth						
	C1 Column	3	1.4	1.4		5.88	
	c2 Column	2	1.25	1.4		3.5	
	C3	1	1.25	1.4		1.75	
	Long Wall	4	3.775	0.65		9.815	
	Short Wall	1	5.025	0.65		3.26625	
		1	3.945	0.65			
						24.21125	24
6C	Plinth and Apron					0	
	Plinth(Provisional)	1	11.27	9.85		111.0095	
	Long Wall	2	10.55	0.22		4.642	
	Short Wall	1	11.97	0.22		2.6334	
						118.2849	118
7	Providing PCC 1:3:6						
	C1 Column	3	1.4	1.4	0.15	0.882	
	c2 Column	2	1.25	1.4	0.15	0.525	
	C3	1	1.25	1.4	0.15	0.2625	
	Long Wall	4	3.775	0.65	0.15	1.47225	
	Short Wall	1	5.025	0.65	0.15	0.4899375	
		1	3.945	0.65	0.15	0.3846375	
	Plinth below Trimix Concrete	1	11.27	9.85	0.1	11.10095	
	Below Plinth Beams						

	Long Wall	4	3.775	0.65	0.1	0.9815	
	Short Wall	1	5.025	0.65	0.1	0.326625	
		1	3.945	0.65	0.1	0.256425	
	Apron						
	Long Wall	2	11.15	0.65	0.05	0.72475	
	Short Wall	1	18.59	0.65	0.05	0.604175	
	Gutter					0	
	Long Wall	2	10.55	1.06	0.15	3.3549	
	Short Wall	1	11.97	1.06	0.15	1.90323	
	Platform						
	Long Wall	2	4.75	0.75	0.15	1.06875	
	Short Wall	4	1.5	0.75	0.15	0.675	
	Slant wall	4	0.3	0.75	0.15	0.135	
	TOTAL					25.14763	25
8	Providing RCC 1:1.5:3 for footing						
	C1 Column	3	1.1	1.1	0.4	1.452	
	c2 Column	2	0.95	1.1	0.4	0.836	
	C3	1	0.95	1.1	0.4	0.418	
						2.706	3
9	Providing RCC 1:1.5:3 for Column						
	Below plinth						
	C1 Column	3	0.35	0.5	1.65	0.86625	
		6	0.35	0.15	1.65	0.51975	
	c2 Column	2	0.35	0.5	1.65	0.5775	
	C3	1	0.35	0.5	1.65	0.28875	
						2.25225	2
10	Providing RCC 1:1.5:3 for Column						
	Above plinth						
	C1 Column	3	0.35	0.5	6.5	3.4125	
		6	0.35	0.15	6.5	2.0475	
	c2 Column	2	0.35	0.5	6.5	2.275	
	C3	1	0.35	0.5	6.5	1.1375	
						8.8725	9
11	Providing RCC 1:1.5:3 for Beams						
	Below Plinth						
	Long Wall	4	4.75	0.35	0.2	1.33	
	Short Wall	1	6	0.35	0.2	0.42	
		1	4.92	0.35	0.2	0.3444	
						2.0944	2.09
12	Providing RCC 1:1.5:3 for Beams						

	Above Plinth Level						
	At Lintel level						
	Long Wall	4	4.75	0.35	0.2	1.33	
	Short Wall	1	6	0.35	0.2	0.42	
		1	4.92	0.35	0.2	0.3444	
	At Eaves level						
	Long Wall	4	4.75	0.35	0.2	1.33	
	Short Wall	1	6	0.35	0.2	0.42	
		1	4.92	0.35	0.2	0.3444	
						4.1888	4.19
13	Providing BBM in Cement Mortar 1:6 in Substructure						
	Long Wall	4	4.75	0.35	1.45	9.6425	
	Short Wall	1	6	0.35	1.45	3.045	
		1	4.92	0.35	1.45	2.4969	
	Platform Step-I						
	Long Wall	2	4.75	0.45	1.4	5.985	
	Short Wall	4	1.5	0.45	1.4	3.78	
	Slant wall	4	0.3	0.45	1.4	0.756	
	Ttotal					25.7054	25.71
14	Providing BBM in Cement Mortar 1:6 in Superstructure						
	Long Wall	4	4.75	0.35	3	19.95	
	Short Wall	1	6	0.35	3	6.3	
		1	4.92	0.35	3	5.166	
	Deductions						
	V1	-6	0.6	0.35	0.6	-0.756	
	Rolling Shutters	-2	3	0.35	3	-6.3	
	Lintel Beam , Eaves level and gable	-4.19				-4.19	
	Gutter Bottom						
	Long Wall	2	10.55	0.76	0.35	5.6126	
	Short Wall	1	11.97	0.76	0.35	3.18402	
	Gutter sides					0	
	Long Wall	2	10.55	0.23	0.3	1.4559	
	Short Wall	1	11.97	0.23	0.4	1.10124	
	Platform						
	Long Wall	2	4.75	0.35	0.75	2.49375	
	Short Wall	4	1.5	0.35	0.75	1.575	
	Slant wall	4	0.3	0.35	0.75	0.315	

	Parapet wall	2	10.55	0.35	0.3	2.2155	
		1	11.97	0.35	0.3	1.25685	
	TOTAL					39.37986	39.38
15	Cement Plaster 12 mm thick in single coat in Cement Mortar 1:4 to inside of walls						
	Long Walls	2	9.85		3	59.1	
	Short Walls	1	11.27		3	33.81	
	Deductions						
	V1	-6	0.6		0.6	-2.16	
	Rolling Shutters	-2	3		3	-18	
	Add for Sills & Jams of Rolling Shutters						
	Top sills	2	3	0.35		2.1	
	Jams	4	0.35		3	4.2	
						79.05	79
16	Waterproof Cement Plaster 23 (15+8) mm thick in two coat in Cement Mortar 1:4 to external faces of walls						
	Long Walls	2	10.55		4.4	92.84	
	Short Walls	1	11.97		4.4	52.668	
	Top of wall	2	10.55	0.35		7.385	
	Top of wall	1	11.97	0.35		4.1895	
	Sides of Columns	4	0.15		7.3	4.38	
	Corner Columns	12	0.15		7.3	13.14	
	Parapet wall	2	10.55		1.2	25.32	
		1	11.27		1.2	13.524	
	Deductions						
	V1	-6	0.6		0.6	-2.16	
	Rolling Shutters	-2	3		3	-18	
	Add for Sills & Jams of Rolling Shutters						
	Top sills	2	3	0.35		2.1	
	Jams	4	0.35		3	4.2	
						199.5865	200

17	Providing White lime wash in two coats to internal wall of Warehouse						
	Quantity same as that of internal cement plaster					79	79
18	Providing Colour wash in two coats to External wall of Warehouse						
	Quantity same as that of external cement plaster					200	200
19	Providing Steel Ventilators weighing 20Kg per Squaremeter and as per drawing and specifications						
	V1 Ventilators	12	0.6		0.6	4.32	
						4.32	4.32
20	Providing Rolling shutter as per drawing and specifications						
	Rolling Shutters	2	3		3	18	
						18	18
21	Providing Synthetic Emulsion painting in three Coats to Steel Ventilators and Rolling Shutters.						
	V1 Ventilators	12	0.6		0.6	4.32	
	Rolling Shutters sides	5	3		3	45	
						49.32	49.32
22	H.M. filling with watering and compaction						
	Plinth of Warehouse	1	9.85	11.27	0.55	61.055225	

	Apron					0	
	Long Wall	2	10.55	0.37	0.6	4.6842	
	Short Wall	1	12.32	0.37	0.6	2.73504	
	Platforms						
	Area*height	4	4.75	1.5	0.95	27.075	
						95.549465	96
23	Providing PCC 1:2:4 on top of Apron						
	Apron						
	Long Wall	2	10.55	0.65	0.05	0.68575	
	Short Wall	1	12.32	0.65	0.05	0.4004	
						1.08615	1
24	Providing Size metal layer on Apron						
	Apron						
	Long Wall	2	10.55	0.65	0.1	1.3715	
	Short Wall	1	12.32	0.65	0.1	0.8008	
						2.1723	2
25	Providing soft murum blindage over apron & Warehouse size metal layer						
	WH	1	9.85	11.27	0.025	2.7752375	
	Apron						
	Long Wall	2	10.55	0.65	0.025	0.342875	
	Short Wall	1	10.92	0.65	0.025	0.17745	
						3.2955625	3
26	Providing compaction by plate vibrator over apron size metal layer						
	Apron						
	Long Wall	2	10.55	0.65		13.715	
	Short Wall	1	10.92	0.65		7.098	
						20.813	21
27	Cement plaster 12 mm thick without cement slurry finish						
	Apron Top						
	Long Wall	2	10.55	0.65		13.715	
	Short Wall	1	10.92	0.65		7.098	
	Gutter						

	Bottom						
	Long Wall	2	10.55	0.3		6.33	
	Short Wall	1	10.92	0.3		3.276	
	Sides						
	Long Wall	2	10.55		0.3	6.33	
	Short Wall	1	10.92		0.3	3.276	
	Long Wall	2	10.55		0.4	8.44	
	Short Wall	1	10.92		0.4	4.368	
	gutter top of wall						
	Long Wall	2	10.55	0.23		4.853	
	Short Wall	1	10.92	0.23		2.5116	
	WH						
	Long Wall plinth to Apron level	2	10.55		0.6	12.66	
	Short Wall	1	12.32		0.6	7.392	
	Parapet	2	10.55		1.15	24.265	
		1	10.92				
	Platforms						
	Long Wall	2	4.75		0.9	8.55	
	Short Wall	4	1.5		0.9	5.4	
	Slant portion	4	0.42		0.9	1.512	
						119.9766	120
28	Providing 1.50 mm thick cement slurry finish to green cement plaster at above complete as directed by Engineer-in-Charge.				Qty same as that of above item	120	
						120	120
29	Providing Compacted 200 mm thick Size metal layer in the plinth of Warehouse building						
	WH	1	9.85	11.27	0.2	22.2019	
						22.2019	22
30	Providing Compacted 200 mm thick Sand layer in the plinth of Warehouse building						

	WH	1	9.85	11.27	0.2	22.2019	
						22.2019	22
31	Providing RCC 1:1.50:3, 200 mm thick Trimix Concrete layer in the plinth floor of Warehouse building						
	WH	1	9.85	11.27	0.2	22.2019	
	Platforms	2	4.75	1.8	0.2	3.42	
						25.6219	26
32	Trimix vacuum dewatering and trovelling treatment cutting and filling grooves to concrete laid above item						
	WH	1	9.85	11.27		111.0095	
	Platforms	2	4.75	1.8		17.1	
						128.1095	128
33	Providing silicate hardner at Allways and Platform top surface						
	WH	1	9.85	11.27		111.0095	
	Platforms	2	4.75	1.8		17.1	
						128.1095	128
34	Proving and fixing M.S. Sill Angle of size 50x50 6mm at Rolling Shutter Door inclung hold fast, line level complete as per specifications.						
	Rolling Shutters	2	3.6	4.5	Kg/per M	32.4	
						0.0324	0.0324
35	M.S. Bar Reinforcement						
	Footing	3	CU.M	80	Kg/per CU.M.	240	



37	o.9 m high and three rows S.S Railing						
		2	1.7			3.4	3.4
	Providing, ISMC 150X65 MM, fabricating, fixing in position with holdfast, one coat of red oxide primer and two coats of oil paint, etc complete as per specification complete as directed.						
	Platforms						
	Long Side	2	4.75			9.5	
	Short Sides	4	1.5			6	
	Champhered length	4	0.42			1.68	
						17.18	
					WT in Kg/M	16.8	
					TOTAL WT	288.624	
						0.29	0.29
39	Providing Teak Wood Frame of 125x65 mm size including planning, fixing holdfast, one coat of primer and two coats of oil pain, complete as per specification and as directed.						
	Door 1x2.1 m						
	Vertical	2	0.125	0.065	2.175	0.03534375	
	Horizontal	1	1.575	0.125	0.065	0.01279688	
						0.04814063	0.048





46	Providing and fixing 0.5 mm thick ISI mark colour coated G.I. sheets Ridge capping on roofing including G.I. "J" or "L" hook bolts, G.I. and Bitumen washers Galvanized Iron clamps , bolts, nuts and scaffolding complete with all leads and lifts, as per specification and as directed by Engineer-in-Charge.						
	At Junction	1	11.62	0.3		3.486	3.49
47	Providing 300 mm diameter turbo-ventilators including fixing in position with all fixtures and fastenings complete as directed.						
		2	1			2	2
48	Providing and laying RCC Chajja in cement concrete 1:1.5:3 for fins and pardiies ,including formwork, vibration, curing ,testing complete as per specifications and as directed.						
	Cantilever pardi						
	Long sides bottom tie	12	0.6	0.8	0.1	0.576	
	Vertical Fins						
	Long sides bottom tie	24	0.6	0.6	0.1	0.864	

						1.44	1.44
49	Provid and laying 50 mm thick, PCC 1:2:4 cement concrete as Damp Proof Course at Plinth level including compaction, formwork, curing complete as per specifications and as directed by Engineer-in-Charge.						
	Long Wall	2	9.85	0.35		6.895	
	Short wall	1	11.27	0.35		3.9445	
	Less					0	
	Columns	-4	0.35	0.35		-0.49	
		-2	0.35	0.35		-0.245	
		-1	0.35	0.35		-0.1225	
						9.982	9.982
50	Providing , fabricating, fixing in position M.S. ladder as per drawing and design, one coat of red oxide primer and two coats of oil paint complete as per specifications and as directed by the Engineer-in-Charge.						
	M.S ANGLES 65*65*6	2	9.8	7.7		150.92	
	20 MM RUNGS @30 CMCM C/C	34	0.4	2.46		33.456	
	Base plate , Holdfast etc					10	
51						0.194376	0.19















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PROPOSED CONSTRUCTION OF 1788 M.T.WAREHOUSE BUILDING, GRAI

NAME OF COMPANY:-- DHANSANCHAY AGRO PRODUCER CO.LTD., RA

ROYALTY CHARGES STATEMENT

SR.NO.	DETAILS OF EXECUTED QTY	UNIT	MATERIAL QTY FOR ROYALTY	TOTAL CEMENT IN BAGS	SAND	TOTAL SAND QTY. IN CU.M	MURUM/ CU.M
WH			CEMENT/ CU.M				
1	UCR M IN CM1:6						
	SUB STRUCTURE	0 CU.M	1.7	0	0.35	0	
2	BBM IN CM1:6						
	SUPERSTRUCTURE	65.09 CU.M	1.58	102.84	0.32	20.83	
3	Sandfaced cement paster in two coats (approved screened sand)	200 SQ.M.	0.17	34	0.025	5	
4	Internal cement plaster 12 mm thk. Single coat in C.M.(1:4)	79 SQ.M.	0.17	13.43	0.025	1.98	
4	Hard Murum	96 CU.M.					1.2
5	Stone Metal Lath	22 CU.M.					
6	CONCRETE FLOOR	26 SQ.M	7	9.1	0.43	0.559	
7	RCC Footing (1:2:4)	3 CU.M.	7	21	0.43	1.29	
9	RCC Beam & Column	17.28 CU.M.	7	120.96	0.43	7.43	
10	RCC Chajjas (1:2:4)	1.485 CU.M.	7	10.4	0.43	0.64	
11	PCC (1:4:8))	25 CU.M.	3.4	85	0.44	11	
	TOTAL			396.73		27.81	
	ROYALTY CHARGES					212.01	
						5895.998	

**IN CLEANING AND GRADING UNIT**  
**HATI, TAL-AND DIST- PARBHANI**

TOTAL QTY OF MURUM IN CU.M.	Metal/ CU.M.	TOTAL QTY OF METAL IN CU.M.	QTY OF RUBBLE PER CU.M	TOTAL RUBBLE QTY	TOTAL ROYALTY CHARGES
			1.16	0	
115.2					
	1.32	29.04			
115.2		29.04		0	
212.01		212.01		212.01	
24423.55		6156.77		0	36476.32

PROPOSED CONSTRUCTION OF 1788 M.T.WAREHOUSE BUILDING, GRAIN CLEANING AND GRAD

NAME OF COMPANY:-- DHANSANCHAY AGRO PRODUCER CO.LTD., RAHATI, TAL-AND DIST- PA

ROYALTY CHARGES STATEMENT

SR.N.	PARTICULARS OF MATERIAL	QTY	UNIT	TESTS TO BE CARR	NO. OF TEST	RATE	AMOUNT
1	Cement	8	M.T.	Fineness, Consistency, Setting Time, Compressive Strength, Specific Gravity.	1	7540	7540
2	Cement Concrete M-20	47.765	CU.M.	Compressive Cube	4	1380	5520
3	Bricks	65.09	CU.M.	Water Absorption	1	1900	1900
		32500		Compressive Strength(Set of 5No.)			
				Efflorescance( Set of 5No.)			
4	Sand	27.81	CU.M.	Fineness, Modulus, Silt Content	1	1950	1950
5	Murum	115.2	CU.M.	Gradation	3	600	1800
6	Mild Steel	4.36	M.T.	Ultimate Tensile Te	1	1275	1275
7	Srructural steel	3.41		Ultimate Tensile Te	1	1275	1275
			M.T.				
	TOTAL RS					RS.	21260

ING UNIT
RBHANI
REMARK
One per 50 M.T.
Upto 50 Cu.M. Plus one for additional 50 Cu.M. or part of it.
One per 50000 No.
One per source.
One test per 400 Cu.M.
One per 10 M.T. for each category of Diameter of bar.
One per 10 M.T. for each category of Diameter of bar.