

ESTIMATE

*** NAME OF WORK ***

NAME OF WORK:- PROPOSED CONSTRUCTION OF
DAL MILL FOR BHOGESHWAR AGRO PRODUCER
COMPANY LTD. IN SURVEY NO. 102, AT NAGRAL, TQ.
DEONI, DIST. LATUR.

ESTIMATE COST :- 136.00 LAKHS



NAME OF WORK:- PROPOSED CONSTRUCTION OF DAL MILL FOR BHOGESHWAR AGRO PRODUCER COMPANY LTD. IN SURVEY NO. 102, AT NAGRAL, TQ. DEONI, DIST. LATUR.

GENERAL REPORT.

The Work Construction of DAL MILL FOR BHOGESHWAR AGRO PRODUCER COMPANY LTD. IN SURVEY NO. 102, AT NAGRAL, TQ. DEONI, DIST. LATUR. is Proposed by concern company.

Accordingly detailed estimate is prepared and submitted herewith for technical sanction please. Provisions made in the estimate are as per the specifications.

Main GODOWN

- 1) Excavation For Foundation In Soft & Hard Murum
- 2) PCC 1:3:6 For Foundation & Bedding
- 3) R.C.C. M20 for Frame Structure Column, Beams, etc.
- 4) B.B.Masonry In CM 1:6 in Foundation & Superstructure.
- 5) Internal Plaster in CM 1:5 20 mm Thick
- 6) External Sand Face Plaster 25 mm In CM 1:4
- 7) Rolling Shutter Door
- 8) Steel Windows Ventilator .
- 9) M30 C.C. treemix flooring of 200 mm thickness.
- 10) PEB Structural Steel Frame for Roofing with TCT coated Sheets
- 11) Internal Washeable Oil Bound Distemper, External Water Proof Cement Paint..

All necessary provisions are made in the estimate.

The estimate is based on current SSR 2021-22. Rate analysis for all items are included with the estimate with all above provisions.

Submitted for Early Sanction.




131.22

NAME OF WORK:- PROPOSED CONSTRUCTION OF DAL MILL FOR BHOGESHWAR
AGRO PRODUCER COMPANY LTD. IN SURVEY NO. 102, AT NAGRAL, TQ. DEONI,
DIST. LATUR.

GENERAL ABSTRACT

(A)	COST OF WORK PORTION	Rs.	11912381.00
(B)	COST OF ROYALTY & Q.C.TESTING CHARGES	Rs.	258219.00
	<u>TOTAL</u>	<u>Rs.</u>	<u>12170600.00</u>
1)	ADD 12% FOR GOODS AND SERVICES TAX	Rs.	1429486.00
	<u>GRAND TOTAL</u>	<u>Rs.</u>	<u>13600086.00</u>




SHRIKRISHNA A. SHELKE
Civil Engineer
Reg. No.C-3/C-4/C-5/TPL/800
Mob.9421298888



ABSTRACT

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
5	<p>Providing and laying in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) Bd.F.3 Page No. 298 and B.7, Page No.38 SSR OF 2021-22 ITEM NO. 25.11 & PAGE NO.133 RATE ANALYSIS</p>	27.540	6402.21	Cu.M.	176317.00
6	<p>Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including centering, . formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) Bd.F.5 Page No. 300 and B.7, Page.No. 38 SSR OF 2021-22 ITEM NO. 25.31 & PAGE NO.134 RATE ANALYSIS</p>	6.561	12091.11	Cu.M.	79330.00
7	<p>Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compactionand roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) Bd.F.6 Page No. 300 and B.7, Page No.38 SSR OF 2021-22 ITEM NO. 25.5 & PAGE NO.135 RATE ANALYSIS</p>	35.348	10737.51	Cu.M.	379550.00

ABSTRACT

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
8	<p>Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including centering, formwork, cover blocks compacting , curing , finishing and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed Bd.F.9 Page No. 303 and B.7, Page No.38</p> <p>SSR OF 2021-22 ITEM NO. 26.05 & PAGE NO.137</p> <p>RATE ANALYSIS</p>	5.063	12202.71	Cu.M.	61782.00
9	<p>Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap / granite / quartzite / gneiss metal for R.C.C. canopy as per detailed designs and drawings including centering, formwork, laying/pumping, compacting and roughening the surface if special finish is to be provided and curing etc. complete (excluding reinforcement), with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)</p> <p>Bd.F.10 Page No. 304</p> <p>SSR OF 2021-22 ITEM NO. 26.11 & PAGE NO.137</p> <p>RATE ANALYSIS</p>	4.500	12361.11	Cu.M.	55625.00
10	<p>Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap / quartzite /granite /gneiss metal for R.C.C. Waist slab, and steps of staircases as per detailed design and drawings or as directed including steel centering, plywood/ steel formwork, steel props, laying/pumping, compaction, finishing uneven and honeycombed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided and curing etc. complete. (Excluding einforcement, including cover block).(Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc.) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand Bd. F. 13 Page No. 305 /I.S. 456 (2000</p> <p>SSR OF 2021-22 ITEM NO. 26.25 & PAGE NO.138</p> <p>RATE ANALYSIS</p>	6.561	12226.11	Cu.M.	80216.00

ABSTRACT

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
18	<p>Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete. Bd.L.7 Page No. 369</p> <p>SSR OF 2021-22 ITEM NO. 32.11 & PAGE NO.153</p> <p>RATE ANALYSIS</p>	372.478	617.14	Sq.M.	229871.00
19	<p>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. Bd.C.2 Page No. 275</p> <p>SSR OF 2021-22 ITEM NO. 23.01 & PAGE NO.129</p> <p>BASIC RATE</p>	47.000	89181.00	M.T.	4191507.00
20	<p>Providing and fixing in position factory made box type steel window with glazed fanlight including steel windows of cold rolled section of 105mm x 60mm x 1.25mm thick frame section filled with cement concrete (1:2:4) and metal pressed steel shutters of 20 gauge (1mm) as per detailed drawing and design or as directed including providing horizontal mild steel 12mm square bars at 10cm center to center, required F-7B section, section 7-6, section 20mm x 5mm mild steel flat for shutter and F4B section for frame, 3mm thick glass of approved quality for fanlight necessary fixtures and fastening etc. complete finishing with one coat of anti-corrosive paint etc complete As directed by Engineer in charge</p> <p>SSR OF 2021-22 ITEM NO. 39.22 & PAGE NO.181</p> <p>BASIC RATE</p>	0.000	5150.00	Sq.M.	0.00
21	<p>Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm minimum size and shape with square bar, suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade cast iron or mild steel and one coat of red lead primer etc. complete. (I.S. Bd.T.55, Page No. 510</p> <p>SSR OF 2021-22 ITEM NO. 39.24 & PAGE NO.181</p> <p>BASIC RATE</p>	45.000	4310.00	Sq.M.	193950.00

423

45

ABSTRACT

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
27	<p>Providing and fixing lightening conductor system comprising of erecting Air-Termination consisting of tubular copper rod of 25mm dia. 1.2mm thick with multiple points head 1.2mt. long (Heavy Duty) welded or clamped to G.I. pipe pole B Grade 50mm dia. of required length with M.S. round base plate 25cm. diameter and 10mm thick at bottom embedded in cement concrete 1:3:6 foundation of size 45cm diameter x 45cm Height and providing earthing with copper earth plate of size 60 x 60 x 0.3cms with cadmium plated nut bolts to fix earthing strip burried in specially prepared earth pit 1.5 metre below ground level with 40 Kg charcoal and salt with alternate layers of charcoal and salt and G.I. pipe 40mm dia. 2 metrer length burried in earth upto earthing plate remaining portion above ground level for watering and refilling complete.</p> <p>Note - Copper strip from lightening conductor is BDW 1 Page 581</p> <p>SSR OF 2021-22 ITEM NO. 44.18 & PAGE NO.214</p> <p>RATE ANALYSIS</p>	4.000	22191.51	No.	88766.00
28	<p>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.</p> <p>As directed by Engineer in charge</p> <p>SSR OF 2021-22 ITEM NO. 33.31 & PAGE NO.158</p> <p>RATE ANALYSIS</p>	730.000	1474.32	Sq.M.	1076254.00
29	<p>ROYALTY CHARGES :- Supply of Rubble, Murum, Soil, 60mm./40mm. metal (Hand broken), royalty charges are not included in the rates.[As per Govt. of Maharashtra, Revenue and Forest Departments Gazette No.146 Dt.04 June,2021. States that the royalty charges of Rs.211.95/Cu.M.) are considered. The surcharge levied on Royalty shall also be payable</p> <p>E DSR ITEM NO. ... & PAGE NO....</p> <p>ROYALTY CHARGES FOR SAND</p> <p>ROYALTY CHARGES FOR OTHER MINERALS</p>	179.970 1202.710	183.70 170.48	Cu.M. Cu.M.	33060.00 205038.00
30	<p>Laboratory testing charges are not considered in the Rate Abstracts. Where ever required separate item shall be taken in the estimate for material testing charges, on the basis of testing frequency and charges fixed by Vigilance & Quality Control Circle, for the current year and shall form part of tender. testing of material by Quality control and certified quality must be use by CONCRETE</p>				
	Compressive strength of C.C.Cube (Set of 3 cubes)	1	3.000	690.00 Nos.	2070.00
	BASIC TEST OF AGGREGATE	3	1.000	2600.00 Nos.	2600.00
	a) Water Absorption, Specific Gravity, Impact Value, Crushing Value. Seive Analyasis etc	1	3.000	3770.00 Nos.	11310.00
	BASIC TEST OF Cement	3	1.000	2175.00 Nos.	2175.00
	Standard Consistency fineness, Specific Gravity				
	Settina Time. Compressive Streanath				
	Bricks				
	Water Absortion, Compressive Strengt,				
	Efflorescence (Set 5 Bricks)	1	1.000	690.00 Nos.	690.00
	Murum Hard - Sieve Analysis	1	1.000	1275.00 Nos.	1275.00
	Steel Bar Testing - (3 Sets) upto 16mm	1	1.000	1275.00 Nos.	1275.00
TOTAL(A+B) Rs.					12170600.00

NAME OF WORK:- PROPOSED CONSTRUCTION OF DAL MILL FOR BHOGESHWAR AGRO PRODUCER COMPANY LTD. IN SURVEY NO. 102, AT NAGRAL, TQ. DEONI, DIST. LATUR.

MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QUANTITY
1	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area & stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical					
	SSR OF 2021-22 ITEM NO. 21.01 & PAGE NO.115					
	FOR COLUMN FOUNDATION	2 X 5	X 2.10	X 2.10	X 0.600	= 26.460
		2 X 2	X 1.80	X 1.80	X 0.600	= 7.776
		2 X 2	X 1.80	X 1.80	X 0.600	= 7.776
		1 X 2	X 20.00	X 0.23	X 0.300	= 2.760
		1 X 2	X 36.50	X 0.23	X 0.300	= 5.037
	FOR EXTERNAL PLINTH BEAM					49.809
						Cu.M.
2	Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.50 m to 3.0 m) By Mechanical Means					
	SSR OF 2021-22 ITEM NO. 21.08 & PAGE NO.115					
	FOR COLUMN FOUNDATION	2 X 5	X 2.10	X 2.10	X 0.600	= 26.460
		2 X 2	X 1.80	X 1.80	X 0.600	= 7.776
		2 X 2	X 1.80	X 1.80	X 0.600	= 7.776
						42.012
						Cu.M.
3	Excavation for foundation in Hard murum and boulders including removing the excavated material upto a distance of 50 metres, beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc.					
	SSR OF 2021-22 ITEM NO. 21.12 & PAGE NO.116					
	FOR COLUMN FOUNDATION	2 X 5	X 2.10	X 2.10	X 0.900	= 39.690
		2 X 2	X 1.80	X 1.80	X 0.900	= 11.664
		2 X 2	X 1.80	X 1.80	X 0.900	= 11.664
						63.018
						Cu.M.

MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QUANTITY	
4	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand) SSR OF 2021-22 ITEM NO. 24.01 & PAGE NO.131 FOR COLUMN FOUNDATION	2 X	5	X 2.10	X 2.10	X 0.150 =	6.615
		2 X	2	X 1.80	X 1.80	X 0.150 =	1.944
		2 X	2	X 1.80	X 1.80	X 0.150 =	1.944
	FOR BEAM FONDATION	2 X	1	X 36.50	X 0.23	X 0.150 =	2.519
		2 X	1	X 20.00	X 0.23	X 0.150 =	1.380
	FOR FLOORING BED	1 X	1	X 20.00	X 36.50	X 0.150 =	109.500
TOTAL QUANTITY							123.902
							Cu.M.
5	Providing and laying in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand) SSR OF 2021-22 ITEM NO. 25.11 & PAGE NO.133 FOR COLUMN FOTTING	2 X	5	X 1.80	X 1.80	X 0.600 =	19.440
		2 X	2	X 1.50	X 1.50	X 0.450 =	4.050
		2 X	2	X 1.50	X 1.50	X 0.450 =	4.050
TOTAL QUANTITY							27.540
							Cu.M.
6	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand) SSR OF 2021-22 ITEM NO. 25.31 & PAGE NO.134 FOR COLUMN UPTO PLINTH	2 X	5	X 0.30	X 0.45	X 2.700 =	3.645
		2 X	2	X 0.30	X 0.45	X 2.700 =	1.458
		2 X	2	X 0.30	X 0.45	X 2.700 =	1.458
TOTAL QUANTITY							6.561

MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QUANTITY
---------	---------------------	-----	---	---	---	----------

Cu.M.

7 Providing and laying **Cast in situ/Ready Mix cement concrete M-20** of trap / granite /quartzite/ gneiss metal for **R.C.C. beams and lintels** as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. **With fine aggregate (Natural SSR OF 2021-22 ITEM NO. 25.5 & PAGE NO.135)**
BEAMS AT GROUND LEVEL

2	X	1	X	20.00	X	0.23	X	0.450	=	4.140
2	X	1	X	36.50	X	0.23	X	0.450	=	7.556
0	X	2	X	5.40	X	0.23	X	0.380	=	0.000
2	X	1	X	20.00	X	0.23	X	0.230	=	2.116
2	X	1	X	36.50	X	0.23	X	0.230	=	3.862
2	X	1	X	20.00	X	0.23	X	0.230	=	2.116
2	X	1	X	36.50	X	0.23	X	0.230	=	3.862
0	X	3	X	5.50	X	0.23	X	0.380	=	0.000
0	X	3	X	5.40	X	0.23	X	0.380	=	0.000
1	X	2	X	20.00	X	0.23	X	0.450	=	4.140
1	X	2	X	36.50	X	0.23	X	0.450	=	7.556
0	X	2	X	5.40	X	0.23	X	0.230	=	0.000
TOTAL QUANTITY										35.348

Cu.M.

8 Providing and laying **Cast in situ/Ready Mix cement concrete M-20** of trap/ granite/ quartzite/ gneiss metal for **R.C.C. chajja** as per detailed design and drawings including centering, formwork, cover blocks compacting , curing , finishing and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. **With fine aggregate (Natural Sand / Crushed SSR OF 2021-22 ITEM NO. 26.05 & PAGE NO.137)**
FOR WINDOWS

1	X	50	X	1.50	X	0.45	X	0.150	=	5.063
TOTAL QUANTITY										5.063

Cu.M.

9 Providing and laying **Cast in situ/Ready Mix cement concrete M-25** of trap / granite / quartzite / gneiss metal for **R.C.C. canopy** as per detailed designs and drawings including centering, formwork, laying/pumping, compacting and roughening the surface if special finish is to be provided and curing etc. complete (excluding reinforcement). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. **With fine aggregate (Natural Sand / Crushed SSR OF 2021-22 ITEM NO. 26.11 & PAGE NO.137)**
AT ENTRANCE

1	X	5	X	4.00	X	1.50	X	0.150	=	4.500
---	---	---	---	------	---	------	---	-------	---	-------

MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QUANTITY
	SSR OF 2021-22 ITEM NO. 21.36 & PAGE NO.117					= 42.012
	QUANTITY SAME AS PER ITEM NO.2					= 63.018
	QUANTITY SAME AS PER ITEM NO.3					
TOTAL QUANTITY						105.030
						Cu.M.

- 14 Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15cm. to 20cm. including watering and compaction etc. complete.

SSR OF 2021-22 ITEM NO. 21.37 & PAGE NO.117
FOR GODQWN

42.67	21.34					
1 X	1 X	36.50 X	20.00 X	1.500 =	1095.000	
TOTAL QUANTITY						1095.000
						Cu.M.

- 15 Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.

SSR OF 2021-22 ITEM NO. 21.4 & PAGE NO.118
FOR GODOWN

1 X	1 X	36.50 X	20.00 X	0.300 =	219.000	
TOTAL QUANTITY						219.000
						Cu.M.

- 16 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete

SSR OF 2021-22 ITEM NO. 27.05 & PAGE NO.144
FOR SUPER STRUCTURE

DEDUCTION
WINDOWS

2 X	1 X	20.00 X	0.23 X	3.000 =	27.600	
2 X	1 X	36.50 X	0.23 X	3.000 =	50.370	
0 X	2 X	5.50 X	0.23 X	4.200 =	0.000	
-1 X	5 X	3.00 X	0.23 X	3.000 =	-10.350	
-1 X	50 X	1.50 X	0.23 X	0.600 =	-10.350	
TOTAL QUANTITY						57.270
						Cu.M.

- 17 Providing internal cement plaster 20mm thick in two coats in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete

SSR OF 2021-22 ITEM NO. 32.06 & PAGE NO.153
INTERNAL SIDE

2 X	1 X	36.50 X	3.00	=	219.000	
2 X	1 X	20.00 X	3.00	=	120.000	
TOTAL QUANTITY						339.000
						Sq.M.

- 18 Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen

SSR OF 2021-22 ITEM NO. 32.11 & PAGE NO.153
EXTERNAL

DEDUCTION

1 X	2 X	36.50 X	4.50	=	328.500	
1 X	2 X	20.00 X	4.50	=	180.000	
-1 X	5 X	3.00 X	3.00	=	-45.000	

MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QUANTITY
		-1 X 50 X	1.80 X	0.45		= -40.500
		TOTAL QUANTITY				423.000
						Sq.M.

- 19 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 **SSR OF 2021-22 ITEM NO. 23.01 & PAGE NO.129** FOR PEB STRUCTURE

		1 X 1 X	47.00			= 47.000
		TOTAL QUANTITY				47.000
						M.T.

- Providing and fixing in position factory made box type steel window with glazed fanlight including steel windows of cold rolled section of 105mm x 60mm x 1.25mm thick frame section filled with cement concrete (1:2:4) and metal pressed steel shutters of 20 gauge (1mm) as per detailed drawing and design or as directed including providing horizontal mild steel 12mm square bars at 10cm center to center, required F-7B section, section 7-6, section. 20mm x 5mm mild steel flat for shutter and F4B section for frame, 3mm thick glass of approved quality for fanlight **SSR OF 2021-22 ITEM NO. 39.22 & PAGE NO.181** FOR WINDOWS

		1 X 50 X	1.50 X	0.60		= 45.000
		TOTAL QUANTITY				45.000
						Sq.M.

- 21 Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm minimum size and shape with square bar, suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high **SSR OF 2021-22 ITEM NO. 39.24 & PAGE NO.181** FOR GODOWN

		5 X 1 X	3.00 X	3.00		= 45.000
		TOTAL QUANTITY				45.000
						Sq.M.

- 22 Providing and applying white-wash in two coats on old / new plastered or masonry surfaces and asbestos cement sheets including scaffolding and preparing the surface by brushing & brooming down etc. complete **SSR OF 2021-22 ITEM NO. 36.03 & PAGE NO.167** QUANTITY SAME AS PER ITEM NO.17
QUANTITY SAME AS PER ITEM NO.18

= 339.000
= 423.000

MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QUANTITY
---------	---------------------	-----	---	---	---	----------

TOTAL QUANTITY **762.000**
Sq.M.

- 23 Providing and applying washable oil-bound distemper of approved colour and shade to old & new surfaces in **two coats** including scaffolding, preparing the surfaces. (excluding the primer coat.)

SSR OF 2021-22 ITEM NO. 36.11 & PAGE NO.167
 QTY SAME AS PER ITEM NO.17

= 339.000

TOTAL QUANTITY **339.000**
Sq.M.

- 24 Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to new plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc.

SSR OF 2021-22 ITEM NO. 35.15 & PAGE NO.165
 QTY SAME AS PER ITEM NO.18

= 423.000

TOTAL QUANTITY **423.000**
Sq.M.

- 25 Providing preconstruction antitermite treatment as per I.S.6313 (Part II) by treating the bottom surface and sides of excavation at the rate of 5 litres of emulsion concentrate of 1.0 percent of chlorophyrifos per square meter of surface area covering 10 years guarantee on bond paper.

BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 21.22 & PAGE NO.116

FOR FOOTING
FOR BED

18 X 1.80 X 1.80
1 X 20.00 X 36.50

= 58.320

= 730.000

= **788.320**

TOTAL QUANTITY

Sq.M

- 26 Providing and fixing colour coated Zinalume (R) AZ150 (min 150 gms/sq.mt. total on each side) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45 mm Base Metal Thickness (BMT) (0.5 mm TCT), Hi-strength steel with min.550 MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55% aluminium 43.4% zinc 1.6% silicon) with COLORBOND (R) steel quality super durable polyester paint coat (with inorganic pigment). The paint shall have a total coating thickness of nominal 35 um, comprising of nominal 25 um exterior coat on top surface and nominal 10 um reverse coat on back surface. Profile sheet shall have nom. 950-1050 mm effective cover width and nominal 25-30 mm deep ribs with subtle square fluting in the five pan at nominal 180-250 mm center-to-center. The end rib shall be designed for anti-capillary groove. and return leg. The feed material should have coil manufacturers product details marked at regular interval. Including

SSR OF 2021-22 ITEM NO. 38.34 & PAGE NO.173

FOR GODOWN ROOF
SIDE
SIDE

1 X 2 X 36.50 X 10.00
1 X 2 X 20.00 X 10.60
1 X 2 X 36.50 X 10.60

= 730.000

= 424.000

= 773.800

MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QUANTITY
---------	---------------------	-----	---	---	---	----------

TOTAL QUANTITY **1927.800**
Sq.m

- 27 comprising of erecting Air-Termination consisting of tubular copper rod of 25mm dia. 1.2 mm thick with multiple points head 1.2 mt. long (Heavy Duty) welded or clamped to G.I. pipe pole B grade 50 mm dia of required length with M.S. round base plate 25 Cm diam and 10mm thick at bottom embeded in cement concrete 1:3:6 foundation of size 45 cm diam x 45 cm Height and providing earthing with copper earth plate of size 60 x 60 x 0.3 cms with cadmium plated nut bolts to fix earthing strip burried in specially prepared earth pits 1.5 metre below ground level with 40Kilogram charcoal and salt with alternate layers of charcoal and salt and G.I. pipe 40mm dia 2 meter length burried in earthe upto earthing plate remining portion above ground level for watering and refilling compeete Note-

SSR OF 2021-22 ITEM NO. 44.18 & PAGE NO.214
FOR TRIMIX FLOORING

$$1 \times 1 \times 1.00 \times 1.00 \times 4.00 = 4.000$$

TOTAL QUANTITY **4.000**
NOS.

- 28 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.

SSR OF 2021-22 ITEM NO. 33.31 & PAGE NO.158
FOR FLOORING

$$1 \times 1 \times 36.50 \times 20.00 \times 0.230 = 167.900$$

TOTAL QUANTITY **167.900**
Sq.M.

- 29 **ROYALTY CHARGES** :- Supply of Rubble, Murum, Soil, 60mm./40mm. metal (Hand broken), royalty charges are not included in the rates.[As per Govt. of Maharashtra, Revenue and Forest Departments Gazette No.67 Dt.15 May,2015. States that the royalty charges of Rs.141.34/Cu.M.) are considered. The surcharge levied on Royalty shall also be payable to the contractor.
E DSR ITEM NO. ... & PAGE NO....

SAND	= 150.797
MURUM-HARD	= 1095.000
SOLING	= 219.000

TOTAL QUANTITY **1464.797**

- 30 **Laboratory testing charges** are not considered in the Rate Abstracts. Where ever required separate item shall be taken in the estimate for material testing charges, on the basis of testing frequency and charges fixed by Vigilance & Quality Control Circle, for the current year and shall form part of tender. testing of material by Quality control and

BASIC TEST OF AGGREGATE

Water Absorption, Specific Gravity, Impact Value, Crushing Value

†

Nos. = 1.000

MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QUANTITY
	BASIC TEST OF CEMENT Standard Consistency Fineness, Specific Gravity, Setting Time (Initial & Final), Compressive Strength, Soundness	9				Nos. = 9.000
	BRICKS Water Absorption , Compressive Strength, Efflorescence (Set of 5 bricks)	1				Nos. = 1.000
	CONCRETE Compressive strength of C.C.Cube (Set of 3 cubes)	9				Nos. = 9.000
	MURUM-HARD Sieve Analysis	1				Nos. = 1.000
	STEEL BAR TESTING Upto 16 mm (Set of 3 Bars)	1				Nos. = 1.000
TOTAL QUANTITY						22.000



(Handwritten Signature)

SHRIKRISHNA A. SHELKE
Civil Engineer
Reg. No. C-3/C-4/C-5/TPL/800
Mob. 9421298888



NAME OF WORK:- PROPOSED CONSTRUCTION OF DAL MILL FOR BHOGESHWAR AGRO PRODUCER COMPANY LTD. IN SURVEY NO. 102, AT NAGRAL, TQ. DEONI, DIST. LATUR.

RATE ANALYSIS.

SR.N O.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE
1	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum , including removing the excavated material up to a distance of 50 m. beyond the building area & stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.50 m to 3.00 m.) By Mechanical Means BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 21.01 & PAGE NO.115			232.00
	TOTAL RATE Rs.			232.00 PerCu.M.
2	Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.50 m to 3.00 m.) By Mechanical Means BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 21.08 & PAGE NO.115			265.00
	TOTAL RATE Rs.			265.00 PerCu.M.
3	Excavation for foundation in Hard murum and boulders including removing the excavated material upto a distance of 50 metres, beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift from 1.5 m to 3.0 m.) By Mechanical Means BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 21.12 & PAGE NO.116			291.00
	TOTAL RATE Rs.			291.00 PerCu.M.
4	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 24.01 & PAGE NO.131			5538.00
	DEDUCT ROYALTY CHARGES FOR SAND	0.47000	141.34	-66.43
				5471.57
	ADD LEAD CHARGES FOR CEMENT	0.22000	160.00	35.20
	ADD LEAD CHARGES FOR SAND	0.47000	205.00	96.35
	ADD LEAD CHARGES FOR CR METAL	0.24000	160.00	38.40
	ADD LEAD CHARGES FOR 40MM METAL CB	0.70000	160.00	112.00
	@ADD DIFF.COST FOR SAND	0.47000	425.00	199.75
	@ADD DIFF.COST FOR 20MM METAL	0.24000	84.00	20.16
	TOTAL			5973.43
	DEDUCT 10% FOR SCADA			-597.34
	TOTAL RATE Rs.			5376.09 PerCu.M.

RATE ANALYSIS.

SR.N O.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE
5	Providing and laying in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 25.11 & PAGE NO.133			6666.00
	DEDUCT ROYALTY CHARGES FOR SAND	0.42500	141.34	-60.07
				6605.93
	ADD LEAD CHARGES FOR CEMENT	0.35000	160.00	56.00
	ADD LEAD CHARGES FOR SAND	0.42500	205.00	87.13
	ADD LEAD CHARGES FOR CR METAL	0.85000	160.00	136.00
	@ADD DIFF.COST FOR SAND	0.42500	425.00	180.63
	@ADD DIFF.COST FOR 20MM METAL	0.57000	84.00	47.88
	@DEDUCT DIFF.COST FOR 12MM METAL	0.28000	0.00	0.00
	TOTAL			7113.57
	DEDUCT 10% FOR SCADA			-711.36
	TOTAL RATE Rs.			6402.21
				PerCu.M.
6	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 25.31 & PAGE NO.134			12987.00
	DEDUCT ROYALTY CHARGES FOR SAND	0.42500	141.34	-60.07
				12926.93
	ADD LEAD CHARGES FOR CEMENT	0.35000	160.00	56.00
	ADD LEAD CHARGES FOR SAND	0.42500	205.00	87.13
	ADD LEAD CHARGES FOR CR METAL	0.85000	160.00	136.00
	@ADD DIFF.COST FOR SAND	0.42500	425.00	180.63
	@ADD DIFF.COST FOR 20MM METAL	0.57000	84.00	47.88
	@DEDUCT DIFF.COST FOR 12MM METAL	0.28000	0.00	0.00
	TOTAL			13434.57
	DEDUCT 10% FOR SCADA			-1343.46
	TOTAL RATE Rs.			12091.11
				PerCu.M.

RATE ANALYSIS.

SRIN O.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE
7	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 25.5 & PAGE NO.135			11483.00
	DEDUCT ROYALTY CHARGES FOR SAND	0.42500	141.34	-60.07
				11422.93
	ADD LEAD CHARGES FOR CEMENT	0.35000	160.00	56.00
	ADD LEAD CHARGES FOR SAND	0.42500	205.00	87.13
	ADD LEAD CHARGES FOR CR METAL	0.85000	160.00	136.00
	@ADD DIFF.COST FOR SAND	0.42500	425.00	180.63
	@ADD DIFF.COST FOR 20MM METAL	0.57000	84.00	47.88
	@DEDUCT DIFF.COST FOR 12MM METAL	0.28000	0.00	0.00
	TOTAL			11930.57
	DEDUCT 10% FOR SCADA			-1193.06
	TOTAL RATE Rs.			10737.51 PerCu.M.
8	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including centering, formwork, cover blocks compacting , curing , finishing and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 26.05 & PAGE NO.137			13111.00
	DEDUCT ROYALTY CHARGES FOR SAND	0.42500	141.34	-60.07
				13050.93
	ADD LEAD CHARGES FOR CEMENT	0.35000	160.00	56.00
	ADD LEAD CHARGES FOR SAND	0.42500	205.00	87.13
	ADD LEAD CHARGES FOR CR METAL	0.85000	160.00	136.00
	@ADD DIFF.COST FOR SAND	0.42500	425.00	180.63
	@ADD DIFF.COST FOR 20MM METAL	0.57000	84.00	47.88
	@DEDUCT DIFF.COST FOR 12MM METAL	0.28000	0.00	0.00
	TOTAL			13558.57
	DEDUCT 10% FOR SCADA			-1355.86
	TOTAL RATE Rs.			12202.71 PerCu.M.

RATE ANALYSIS.

SR.N O.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE
9	Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap / granite / quartzite / gneiss metal for R.C.C. canopy as per detailed designs and drawings including centering, formwork, laying/pumping, compacting and roughening the surface if special finish is to be provided and curing etc. complete (excluding reinforcement). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 26.11 & PAGE NO.137			13283.00
	DEDUCT ROYALTY CHARGES FOR SAND	0.42500	141.34	-60.07
				<u>13222.93</u>
	ADD LEAD CHARGES FOR CEMENT	0.37500	160.00	60.00
	ADD LEAD CHARGES FOR SAND	0.42500	205.00	87.13
	ADD LEAD CHARGES FOR CR METAL	0.85000	160.00	136.00
	@ADD DIFF.COST FOR SAND	0.42500	425.00	180.63
	@ADD DIFF.COST FOR 20MM METAL	0.57000	84.00	47.88
	@DEDUCT DIFF.COST FOR 12MM METAL	0.28000	0.00	0.00
	TOTAL			13734.57
	DEDUCT 10% FOR SCADA			-1373.46
	TOTAL RATE Rs.			<u>12361.11</u> PerCu.M.
10	Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap / quartzite /granite /gneiss metal for R.C.C. Waist slab, and steps of staircases as per detailed design and drawings or as directed including steel centering, plywood/ steel formwork, steel props, laying/pumping, compaction, finishing uneven and honeycombed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided and curing etc. complete. (Excluding einforcement, including cover block).(Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc.) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 26.25 & PAGE NO.138			13137.00
	DEDUCT ROYALTY CHARGES FOR SAND	0.42500	141.34	-60.07
				<u>13076.93</u>
	ADD LEAD CHARGES FOR CEMENT	0.35000	160.00	56.00
	ADD LEAD CHARGES FOR SAND	0.42500	205.00	87.13
	ADD LEAD CHARGES FOR CR METAL	0.85000	160.00	136.00
	@ADD DIFF.COST FOR SAND	0.42500	425.00	180.63
	@ADD DIFF.COST FOR 20MM METAL	0.57000	84.00	47.88
	@DEDUCT DIFF.COST FOR 12MM METAL	0.28000	0.00	0.00
	TOTAL			13584.57
	DEDUCT 10% FOR SCADA			-1358.46
	TOTAL RATE Rs.			<u>12226.11</u> PerCu.M.

RATE ANALYSIS.

SR.N O.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE		
11	Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting					
	BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 26.33 & PAGE NO.139					71778.00
	ADD LEAD CHARGES FOR STEEL	1.00000	160.00	160.00		
	TOTAL RATE Rs.			71938.00		PerM.T.
12	Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually , striking joints on unexposed faces, raking out joints on					
	BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 27.01 & PAGE NO.144					7343.00
	DEDUCT ROYALTY CHARGES FOR SAND	0.32000	141.34	-45.23		
				7297.77		
	ADD LEAD CHARGES FOR CEMENT	0.07900	160.00	12.64		
	ADD LEAD CHARGES FOR SAND	0.32000	205.00	65.60		
	ADD LEAD CHARGES FOR BRICKS	0.47500	160.00	76.00		
	@ADD DIFF.COST FOR SAND	0.32000	425.00	136.00		
	TOTAL RATE Rs.			7588.01		PerCu.M.
13	Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layers including watering and compacting etc. complete.					
	BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 21.36 & PAGE NO.117					113.00
	TOTAL RATE Rs.			113.00		PerCu.M.
14	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15cm. to 20cm. including watering and compaction etc. complete.					
	BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 21.37 & PAGE NO.117					550.00
	ADD LEAD CHARGES FOR MURUM-HARD	1.00000	85.00	85.00		
	@ADD DIFF.COST FOR MURUM-HARD	1.00000	92.00	92.00		
	TOTAL RATE Rs.			727.00		PerCu.M.
15	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming watering etc. complete					
	BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 21.4 & PAGE NO.118					1322.00
	ADD LEAD CHARGES FOR SOLING	1.00000	88.00	88.00		
	ADD LEAD CHARGES FOR GRIT	0.15000	160.00	24.00		
	@ADD DIFF.COST FOR GRIT	0.15000	80.00	12.00		
	TOTAL RATE Rs.			1446.00		PerCu.M.

RATE ANALYSIS.

SR. NO.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE	
16	<p>Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete</p> <p>BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 27.05 & PAGE NO.144</p> <p>DEDUCT ROYALTY CHARGES FOR SAND</p> <p>ADD LEAD CHARGES FOR CEMENT</p> <p>ADD LEAD CHARGES FOR SAND</p> <p>ADD LEAD CHARGES FOR BRICKS</p> <p>@ADD DIFF.COST FOR SAND</p>			<p>7570.00</p> <p>0.32000 141.34 <u>-45.23</u></p> <p>7524.77</p> <p>0.07900 160.00 12.64</p> <p>0.32000 205.00 65.60</p> <p>0.47500 160.00 76.00</p> <p>0.32000 425.00 136.00</p>	<p>TOTAL RATE Rs. 7815.01 PerCu.M.</p>
17	<p>Providing internal cement plaster 20mm thick in two coats in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete</p> <p>BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 32.06 & PAGE NO.153</p> <p>DEDUCT ROYALTY CHARGES FOR SAND</p> <p>ADD LEAD CHARGES FOR CEMENT</p> <p>ADD LEAD CHARGES FOR SAND</p> <p>@ADD DIFF.COST FOR SAND</p>			<p>359.00</p> <p>0.02500 141.34 <u>-3.53</u></p> <p>355.47</p> <p>0.00700 160.00 1.12</p> <p>0.02500 205.00 5.13</p> <p>0.02500 425.00 10.63</p>	<p>TOTAL RATE Rs. 372.35 PerSq.M.</p>
18	<p>Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.</p> <p>BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 32.11 & PAGE NO.153</p> <p>DEDUCT ROYALTY CHARGES FOR SAND</p> <p>ADD LEAD CHARGES FOR CEMENT</p> <p>ADD LEAD CHARGES FOR SAND</p> <p>@ADD DIFF.COST FOR SAND</p>			<p>599.00</p> <p>0.03300 141.34 <u>-4.66</u></p> <p>594.34</p> <p>0.01250 160.00 2.00</p> <p>0.03300 205.00 6.77</p> <p>0.03300 425.00 14.03</p>	<p>TOTAL RATE Rs. 617.14 PerSq.M.</p>
19	<p>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.</p> <p>BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 23.01 & PAGE NO.129</p>			<p>89181.00</p> <p>TOTAL RATE Rs. 89181.00 PerM.T.</p>	

RATE ANALYSIS.

SR.N O.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE
20	<p>Providing and fixing in position factory made box type steel window with glazed fanlight including steel windows of cold rolled section of 105mm x 60mm x 1.25mm thick frame section filled with cement concrete (1:2:4) and metal pressed steel shutters of 20 gauge (1mm) as per detailed drawing and design or as directed including providing horizontal mild steel 12mm square bars at 10cm center to center, required F-7B section, section 7-6, section 20mm x 5mm mild steel flat for shutter and F4B section for frame, 3mm thick glass of approved quality for fanlight necessary fixtures and fastening etc. complete finishing with one coat of anti-corrosive paint etc complete</p> <p>BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 39.22 & PAGE NO.181</p>			5150.00
TOTAL RATE Rs.				5150.00 PerSq.M.
21	<p>Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm minimum size and shape with square bar, suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade cast iron or mild steel and one coat of red lead primer etc. complete. (I.S. 6248-1979) (Without mechanical gear)</p> <p>BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 39.24 & PAGE NO.181</p>			4310.00
TOTAL RATE Rs.				4310.00 PerSq.M.
22	<p>Providing and applying white-wash in two coats on old / new plastered or masonry surfaces and asbestos cement sheets including scaffolding and preparing the surface by brushing & brooming down etc. complete.</p> <p>BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 36.03 & PAGE NO.167</p>			11.00
TOTAL RATE Rs.				11.00 PerSq.M.
23	<p>Providing and applying washable oil-bound distemper of approved colour and shade to old & new surfaces in two coats including scaffolding, preparing the surfaces. (excluding the primer coat.) etc. complete.</p> <p>BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 36.11 & PAGE NO.167</p>			39.50
TOTAL RATE Rs.				39.50 PerSq.M.
24	<p>Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to new plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete.</p> <p>BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 35.15 & PAGE NO.165</p>			97.00


RATE ANALYSIS.

SR.N O.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE
		TOTAL RATE Rs.		97.00 PerSq.M.
25	<p>Providing preconstruction alantitermite treatment as per I.S.6313 (Part II) by treating the bottom surface and sides of excavation at the rate of 5 litres of emulsion concentrate of 1.0 percent of chlorophyrifos per square meter of surface area covering 10 years guarantee on bond paper.</p> <p>BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 21.22 & PAGE NO.116</p>			92.00 perSq.m
		TOTAL RATE Rs.		1095.00
26	<p>Providing and fixing colour coated Zinalume (R) AZ150 (min 150 gms/sq.mt. total on each side) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45 mm Base Metal Thickness (BMT) (0.5 mm TCT), Hi-strength steel with min.550 MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55% aluminium 43.4% zinc 1.6% silicon) with COLORBOND (R) steel quality super durable polyester paint coat (with inorganic pigment). The paint shall have a total coating thickness of nominal 35 um, comprising of nominal 25 um exterior coat on top surface and nominal 10 um reverse coat on back surface. Profile sheet shall have nom. 950-1050 mm effective cover width and nominal 25-30 mm deep ribs with subtle square fluting in the five pan at nominal 180-250 mm center-to-center. The end rib shall be designed for anti-capillary groove. and return leg. The feed material should have coil manufacturers product details marked a regular interval. Including fasteners with min. fastened with min. 25</p> <p>SSR OF 2021-22 ITEM NO. 38.34 & PAGE NO.173</p>			1095.00 PerSq.M.
		TOTAL RATE Rs.		22189.00
27	<p>Providing and fixing lightning conductor system comprising of erecting Air-Termination consisting of tubular copper rod of 25mm dia. 1.2 mm thick with multiple points head 1.2 mt. long (Heavy Duty) welded or clamped to G.I. pipe pole B grade 50 mm dia of required length with M.S. round base plate 25 Cm diam and 10mm thick at bottom embeded in cement concrete 1:3:6 foundation of size 45 cm diam x 45 cm Height and providing earthing with copper earth plate of size 60 x 60 x 0.3 cms with cadmium plated nut bolts to fix earthing strip buried in</p> <p>SSR OF 2021-22 ITEM NO. 44.18 & PAGE NO.214</p>			22189.00 Per NOS.
		TOTAL RATE Rs.		1379.00
28	<p>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</p> <p>BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 33.31 & PAGE NO.158</p>	0.08500	141.34	-12.01
	DEDUCT ROYALTY CHARGES FOR SAND			1366.99
	ADD LEAD CHARGES FOR CEMENT	0.08000	160.00	12.80
	ADD LEAD CHARGES FOR SAND	0.08500	205.00	17.43
	@ADD DIFF.COST FOR SAND	0.08500	425.00	36.13
	ADD LEAD CHARGES FOR CR METAL	0.17000	160.00	27.20
		0.17000	84.00	14.28

RATE ANALYSIS.

SR.N O.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE
	@ADD DIFF.COST FOR CR METAL		TAL RATE Rs.	1474.83 PerSq.M.




SHRIKRISHNA A. SHELKE
Civil Engineer
Reg. No.C-3/C-4/C-5/TPL/800
Mob.9421298888




NAME OF WORK:- PROPOSED CONSTRUCTION OF DAL MILL FOR BHOGESHWAR AGRO PRODUCER COMPANY LTD. IN SURVEY NO. 102, AT NAGRAL, TQ. DEONI, DIST. LATUR.

DIFF.COST OF MATERIAL

SR. NO.	MATERIAL	RATE AS PER SSR OF 2021-22	MARKET RATE	EXCESS	LESS	REMARKS/ EFFECTIVE DATE
1	SAND	1575.00	2000.00	425.00	0.00	Rate As On
2	20MM METAL	996.00	1080.00	84.00	0.00	Rate As On
3	12MM METAL	996.00	996.00	0.00	0.00	Rate As On
4	MURUM-HARD	288.00	380.00	92.00	0.00	Rate As On
5	GRIT	900.00	980.00	80.00	0.00	Rate As On




SHRIKRISHNA A. SHELKE
Civil Engineer
Reg. No.C-3/C-4/C-5/TPL/800
Mob.9421298888

NAME OF WORK:- PROPOSED CONSTRUCTION OF DAL MILL FOR BHOGESHWAR AGRO PRODUCER COMPANY LTD. IN SURVEY NO. 102, AT NAGRAL, TQ. DEONI, DIST. LATUR.

LEAD CHART

SR.N O.	MATERIAL	TYPE OF MATERIAL	LOCATION OF QUARRY	LEAD IN KM.	LEAD CHARGES	INITIAL LEAD CHARGES	NET LEAD CHARGES.
1	CEMENT	MANUAL	LATUR	60.00	160.00	0.00	160.00
2	SAND	MACHINE	GANGAKHED	110.00	205.00	0.00	205.00
3	CR METAL	MACHINE	LATUR	60.00	160.00	0.00	160.00
4	40MM METAL CB	MACHINE	LATUR	60.00	160.00	0.00	160.00
5	STEEL	MANUAL	LATUR	60.00	160.00	0.00	160.00
6	BRICKS	MANUAL	LATUR	60.00	160.00	0.00	160.00
7	MURUM-HARD	MACHINE	DEONI	15.00	85.00	0.00	85.00
8	SOLING	MACHINE	DEONI	15.00	88.00	0.00	88.00
9	GRIT	MACHINE	LATUR	60.00	160.00	0.00	160.00



[Signature]
SHRIKRISHNA A. SHELKE
 Civil Engineer.
 Reg. No. C-3/C-4/C-5/TPL/800
 Mob. 9421298888



Sr No.	Item Of Work	Quantity	CEMENT		SAND		CR METAL		40MM METAL CB		STEEL		BRICKS		MURUM-HARD		SOLING		GRIT		
			Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.
1	2 SSR OF 2021-22 ITEM NO. 26:11 & PAGE NO. 137 Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap / quartzite /granite /gneiss metal for R.C.C. Waist slab, and steps of staircases as per detailed drawing and drawing of ac	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
7	6.561 SSR OF 2021-22 ITEM NO. 26:25 & PAGE NO. 138 Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chairs, lintels	6.561	0.35000	2.296	0.42500	2.788	0.85000	5.577													
8	11.776 SSR OF 2021-22 ITEM NO. 26:33 & PAGE NO. 139 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including balling out water manually	11.776	0.07900	3.810	0.32000	15.434						1.00000	11.776								
9	48.231 SSR OF 2021-22 ITEM NO. 27:01 & PAGE NO. 144 Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15cm. to 20cm. including watering and compaction etc. complete	48.231	0.07900	3.810	0.32000	15.434							0.47500	22.910							
10	1095.000 SSR OF 2021-22 ITEM NO. 21:37 & PAGE NO. 117 Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.	1095.000													1.00000	1095.000					
11	219.000 SSR OF 2021-22 ITEM NO. 27:05 & PAGE NO. 144 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete.	219.000	0.07900	4.524	0.32000	18.326											1.00000	219.000	0.15000		32.850
12	57.270 SSR OF 2021-22 ITEM NO. 21:4 & PAGE NO. 118 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete.	57.270	0.07900	4.524	0.32000	18.326							0.47500	27.203							

Sr No.	Item Of Work	Quantity	CEMENT		SAND		CR METAL		40MM METAL GB		STEEL		BRICKS		MURUM-HARD		SOLING		GRIT	
			Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
13	Providing internal cement plaster 20mm thick in two coats in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete.	339.000	0.00700	2.373	0.02500	8.475														
14	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1.1m per complete.	423.000	0.01250	5.288	0.03300	13.959														
TOTAL:			73.317	150.797	102.474	86.731	11.776	50.113	1095.000	219.000	32.850									

(Handwritten Signature)



SHRIKRISHNA A. SHELKE
 CIVIL Engineer
 Reg. No. C-316-4/C-5/TPU/800
 Mob. 9421298888



NAME OF WORK:- PROPOSED CONSTRUCTION OF DAL MILL FOR BHOGESHWAR AGRO PRODUCER COMPANY LTD. IN SURVEY NO. 102, AT NAGRAL, TQ. DEONI, DIST. LATUR.

MATERIAL SUMMARY

SR.NO.	MATERIAL	TOTAL QUANTITY	QUANTITY OF ROYALTY	REMARKS
1	CEMENT	73.317	-	
2	SAND	150.797	150.797	
3	CR METAL	102.474	-	
4	40MM METAL CB	86.731	-	
5	STEEL	11.776	-	
6	BRICKS	50.113	-	
7	MURUM-HARD	1095.000	1095.000	
8	SOLING	219.000	219.000	
9	GRIT	32.850	-	



SHRIKRISHNA A. SHELKE
Civil Engineer
Reg. No. C-3/C-4/C-5/TPL/800
Mob.9421298888

