

**GOVERNMENT OF MAHARASHTRA**

**AGRICULTURE DEPARTMENT**

**DIST. AMRAVATI**

**DETAIL PLAN & ESTIMATE**

**For Year 2022-2023**

**Construction of Grading and Cleaninig Unit & 2000 Mt. Rural  
Warehouse at Gut No. 86, Mauje- Khurchanpur, Tq. Daryapur,  
Dist - Amravati Maharashtra.444803**

**ESTIMATED COST Rs. 24320524**



## AGREECORE FARMERS PRODUCER COMPANY LIMITED

Name of                      Construction of Grading and Cleaning Unit & 2000 Mt. Rural  
 Work :-                     Warehouse at Gut No. 86, Mauje- Khurchanpur, Tq. Daryapur,  
                                      Dist - Amravati Maharashtra.444803

### RECAPULATION SHEET

#### Warehouse

CARPET AREA SIZE		SQ.M.	CAP./MT.	B/up area sq.m.
20.43	54.69	1117.32	2000.00	1151.46
Grading & Cleaning Unit				
CARPET AREA SIZE		SQ.M.	CAP./MT.	B/up area sq.m.
20.43	9.15	186.93		191.14
Total		1304.25		1342.60
Particulars				
		B/up Area	/Sq.m.	Total Amount
2000 MT Ware House building + PEB		1151.46	13468.13	15507971.02
Grading & Cleaning unit Building + PEB		191.14	13468.13	2574345.70
Total Estimate Cost		1342.60		18082316.00

<b>Total estimate Cost</b>	<b>18082316</b>
W.B.M. Road & Parking	2000000
Electrification Charges	177460
Royalty Charges	934000
Testing Charges	207815
<b>Tender Cost</b>	<b>21401591</b>
Add 12 % for G.S.T. charges	2169878
Add 3 % for Contingencies charges	642048
Add 0 .5% for Insurance charges	107008
<b>Grand Total Rs.</b>	<b>24320524</b>
<b>Say Rs.</b>	<b>24320524</b>

14/3/2011

**NILESH D. DHUD**

B-Arch, Reg No. CA/2005/35787

"DEOCHHAYA"

Architectural & Engineering Services



**Abstract**

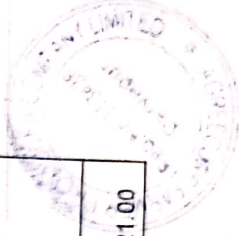
Sr. No.	Item of Work	Qty.	Rate	Unit	Amount
1	<p><u>Item No. :- 1</u>                      Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical Means (SSR Item No. 21.02)                      ( Rate Analysis Attached herewith )</p>	1	3	4	5
1	<p><u>Item No. :- 2</u>                      Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete.(SSR Item No. 21.37)                      ( Rate Analysis Attached herewith )</p>	379.14	193.00	Cu.m.	73174.00
2	<p><u>Item No. :- 3</u>                      Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.(SSR Item No. 21.40)                      ( Rate Analysis Attached herewith )</p>	1556.68	1205.05	Cu.m.	1875877.00
3	<p><u>Item No. :- 4</u>                      Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (SSR Item No. 24.01)                      ( Rate Analysis Attached herewith )</p>	242.19	2053.15	Cu.m.	497252.00
4	<p><u>Item No. :- 5</u>                      Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations ike raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with 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) (SSR Item No. 25.11)                      ( Rate Analysis Attached herewith )</p>	157.16	6004.45	Cu.m.	943559.00
5	<p>Ground floor                      ( Rate Analysis Attached herewith )</p>	76.19	7092.25	Cu.m	540359.00



Sr. No.	Item of Work	Qty.	Rate	Unit	Amount
1	2	1	3	4	5
6	<p><b>Item No. :- 6</b>                      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 natural sand / V.S.I. quality Artificial Sand.(SSR Item No. 25.31)                      ( Rate Analysis Attached herewith )</p>	53.20	13413.25	Cu.m.	713585.00
7	<p><b>Item No. :- 7</b>                      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 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 natural sand/V.S.I. quality Artificial Sand(SSR Item No. 25.50)                      ( Rate Analysis Attached herewith )</p>	39.90	11909.25	Cu.m.	475179.00



Sr. No.	Item of Work	Qty.	Rate	Unit	Amount
1		1	3	4	5
8	<p><u>Item No.:- 8</u>            Providing and laying Cast in situ/Ready Mix cement concrete M-15 of trap/ granite/quartzite/gneiss metal for coping to plinth or parapet, moulded or chamfered as per drawing or as directed including steel centering, plywood/ steel formwork compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.) With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc)(SSR item No. 24.16)            ( Rate Analysis Attached herewith )</p>	1.38	6595.85	Cu.m.	9102
9	<p><u>Item No. :- 9</u>            Providing and laying Cast in situ/Ready Mix cement concrete M20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including steel 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 VSI Grade finely washed etc)(SSR item No.26.05)            Ground floor</p>	8.93	13537.28	Cu.m.	120888.00
10	<p><u>Item No.:- 10</u>            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, parris, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.(SSR item No. 26.33)            ( Rate Analysis Attached herewith )</p>	19.08	71883.80	MT	1371759.00
11	<p><u>Item No.:- 11</u>            Providing second class Burnt Brick masonry with conventional/ I.S.type bricks in cement mortar 1:6 in plinth as backing in composite masonry including bailing out wate manually, striking joints, raking out joints and watering etc Complete. (SSR item No. 27.03 )            ( Rate Analysis Attached herewith )</p>	25.21	8147.30	Cu.m.	205393.00
12	<p><u>Item No.:- 12</u>            Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, racking out joints watering and scaffolding complete. (SSR item No. 27.05 )            ( Rate Analysis Attached herewith )</p>	90.39	8596.75	Cu.m.	777021.00



Sr. No.	Item of Work	Qty.	Rate	Unit	Amount
1	2	1	3	4	5
<b>13</b>	<p><b>Item No.:- 13</b>                      Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete.(SSR Item No.32.04 )                      ( Rate Analysis Attached herewith )</p>	605.58	267.35	Sq.m.	161901.00
<b>14</b>	<p><b>Item No.:- 14</b>                      Providing neeru finish to plastered surfaces in all positions including scaffolding and curing etc. complete.(SSR Item No.32.15)                      ( Rate Analysis Attached herewith )</p>	605.58	60.98	Sq.m.	36928.00
<b>15</b>	<p><b>Item No.:- 15</b>                      Providing sand faced plaster for external portion in cement mortar using Kharsalia / Kasaba or similar type of sand, in all positions including base coat of 15 mm. Thick in C.M. 1:4 using water proofing compound at 1 kg per cement bag, curing the same for not less than 3 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in C.M. 1:4 finishing the surface by taking out grains, making grooves and curing for fourteen days scaffolding etc complete.(SSR Item No.32.11 )                      Rate Analysis Attached herewith )</p>	849.64	606.40	Sq.m.	515222.00



Sr. No.	Item of Work	Qty.	Rate	Unit	Amount
1	2	1	3	4	5
	<b>Item No.:- 16</b>				
16	Providing and fixing mild steel grill work for windows, ventilators etc. 20 kg/sqm as per drawing including fixtures, necessary welding and painting with one coats of anticorrosive paint and two coats of oil painting complete (SSR item no- 40.01)	8.91	1844.99	Sq.m.	16439.00
	<b>Item No.:- 17</b>				
17	Providing and applying plastic emulsion paint of approved quality, colour and Shed to old and new surfaces in two coats including scaffolding, preparing the surface. (excluding the primer coat)etc. complete (SSR Item No.36.12) ( Rate Analysis Attached herewith ) Ground floor	605.58	93.95	Sq.m.	56894.00
	<b>Item No.:- 18</b>				
18	Providing and applying two coats of water proof cement paint of approved manufacture and of approved colour to the plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete.(SSR Item No.35.13) ( Rate Analysis Attached herewith ) Ground floor	849.64	74.00	Sq.m.	62873.00
	<b>Item No.:- 19</b>				
19	Providing and laying in situ cement concrete M -30 with tremix treatment for 200 mm thickness for Concrete Road is including laying plastic sheet for 125 micron thickness with groove cutting of 4 mm wide and 20 mm deep with necessary refilling with bitumen ( excluding reinforcement) with coarse and fine aggregate ( VSI grade finely washed crushed sand) etc. complete.(SSR item No.5.22) ( Rate Analysis Attached herewith ) Ground floor	266.00	8282.93	Sq.m.	2203274.00
	<b>Item No.:- 20</b>				
20	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.Item no -23.01 ( Rate Analysis Attached herewith ) Ground floor	38.73	89181.00	Sq.m.	3454119.00



Sr. No.	Item of Work	Qty.	Rate	Unit	Amount
1		1	3	4	5
	<b>Item No. :- 21</b>				
21	Providing and fixing G.I. pre-coated metacoloour sheet of 0.50 mm thick and 930 profile for roof including roof bolt and necessary fixing arrangements (Prior approval of Sample and brand by Ex. Engineer is necessary before use (SSR Item No. 14 corriendum Dt. 18-12-18)No. 6720 ( Rate Analysis Attached herewith ) )	2902.00	1160.00	Sq.m.	3366320.00
	<b>Item No. :- 22</b>				
22	Providing and fixing G.I. pre-coated metacoloour accessories of 0.50 mm thick and 600 mm wide for ridge (Valley including roof bolt and necessary fitting arrangements (Prior approval of Sample and brand by Ex. Engineer is necessary before use As directed by Engineer - in -charge. (Circular by SE PWD CIRCAL AMT. Vide Circular No. 6720 Dt. 18 Dec. 2018 Item No.15 ) ( Rate Analysis Attached herewith ) )	65.00	440.00	Sq.m.	28600.00
	<b>Item No. :- 23</b>				
23	Providing and fixing P.V.C. Rain water pipes of 160mm outer diameter and having wall thickness of 2.2 to 2.7 mm conforming to I.S. 13592-1992 including proper rainwater receiving recess with P.V.C. plug, bend, necessary fittings, such as, offsets, shoes, including fixing the pipe on wall using approved wooden cleats projecting 25mm to 40mm from face of wall a fixing with clips of approved quality and number ,fling the joint using rubber gasket with solvent cement and properly resting the shoe of pipes on C.C. or masonry blocks, including necessary scaffolding and maintenance for 3 yrs for any leakages or dislocations of pipes. All the P.V.C. fittings and additional 2 piece socket clips shall be got approved from engineer in charge etc. complete. (SSR item no-42.85).	330.00	1342.99	Sq.m.	443187.00
	<b>Item No. :- 24</b>				
24	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm minimum size and shape with square bar, suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade cast iron or mild steel and one coat of red lead primer etc. complete. (I.S. 62481979) (Without mechanical gear)..(SSR I.No.39.24)	22.88	4309.99	Sq.m.	98591.00



Sr. No.	Item of Work	Qty.	Rate	Unit	Amount
1	2	1	3	4	5
25	<p><u>Item No. :- 25</u>                      Providing and fixing wind oppared turbo s Ventilater system (24 inch dia.) over existing roof including cutting of sheet, proper fixing in position to true line &amp; level with all fixtures &amp; fastning providing 0.8 mm thick FRP sheet for covering area between roof and fan so as to provide waterfoof joints with approved water proffing compound making good the roof surface including cleaning etc. complete ( General application for all types of roofs for ventilation &amp; day light purpose at terrace (as directed by Engineer in charge.)</p>	4.00	8679.99	No.	34720.00
26	<u>Royalty Charges</u>				18082316.27
27	<p><u>Item No. :- 26</u>  <u>Quality Control and Lab Testing Charges-</u></p>				934000.00
					207008.00

*(Signature)*  
14/13

**NILESH D. DHUD**  
 B-Arch, Reg No. CA/2005/35787  
**"DEOCHHAYA"**  
 Architectural & Engineering Services



Name of Work :-

Construction of Grading and Cleaning Unit &amp; 2000 Mt. Rural Warehouse at Gut No. 86, Mauje-Khurcharpur, Tq. Daryapur, Dist - Amravati Maharashtra.444803

MEASUREMENT

Sr. No	Item of work	No.	Length in M	Width in M	Depth in M	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 and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical Means (SSR Item No. 21.02)	31	1.80	1.80	1.80	180.79
		53	1.50	1.50	1.50	178.88
		22	2.82	0.30	0.30	5.58
		12	4.87	0.30	0.30	5.26
		6	20.84	0.23	0.30	8.63
2	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete.(SSR Item No. 21.37)	31	1.80	1.80	1.80	180.79
		53	1.50	1.50	1.50	178.88
		1	20.84	54.67	0.90	1025.39
		1	20.84	9.15	0.90	171.62
						1556.68 Cu.m.
3	Providing soiling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.(SSR Item No. 21.40)	31	1.80	1.80	0.15	15.07
		53	1.50	1.50	0.15	17.89
		1	20.84	54.67	0.15	170.90
		1	20.84	9.15	0.15	28.60
		22	2.82	0.30	0.15	2.79
		12	4.87	0.30	0.15	2.63
6	20.84	0.23	0.15	4.31	242.19 Cu.m.	