

# ESTIMATE

**\* NAME OF WORK \***

**NAME OF WORK:- PROPOSED CONSTRUCTION OF  
1/2000 MT GODOWN FOR REFORMERS FARMERS  
PRODUCER COMPANY LIMITED IN SURVEY NO. 13,  
AT KAULKHED, TQ. UDGIR, DIST. LATUR**

ESTIMATE COST :-            203.17    LAKHS

**NAME OF WORK:- PROPOSED CONSTRUCTION OF 1/2000 MT GODOWN  
FOR REFORMERS FARMERS PRODUCER COMPANY LIMITED  
IN SURVEY NO. 13, AT KAULKHED, TQ. UDGIR, DIST. LATUR**

**GENERAL ABSTRACT**

Sr. No.	ITEM	Amount	
1	COST OF CIVIL WORK PORTION	Rs.	15275854.03
2	INTERNAL ROAD	Rs.	1978600.00
3	ELECTRIFICATION	Rs.	230840.61
4	ROYALTY		
	a) WARE-HOUSE	Rs.	441196.00
	b) INTERNAL ROAD	Rs.	106996.00
5	Q.C.TESTING CHARGES		
	a) WARE-HOUSE	Rs.	23090.00
	b) INTERNAL ROAD	Rs.	2780.00
<b>Total</b>		<b>Rs.</b>	<b>18059356.64</b>
1	ADD 12% FOR GOODS AND SERVICES TAX	Rs.	2167122.80
2	ADD 0.5% LABOUR INSURANCE	Rs.	90296.78
<b>Grand Total</b>		<b>Rs.</b>	<b>20316776.22</b>
<b>Say</b>		<b>Rs.</b>	<b>20316776.00</b>

**NAME OF WORK:- PROPOSED CONSTRUCTION OF 1/2000 MT GODOWN FOR REFORMERS  
FARMERS PRODUCER COMPANY LIMITED IN SURVEY NO. 13, AT KAULKHED, TQ. UDGIR,  
DIST. LATUR**

## SW I - COST OF CIVIL WORK PORTION

### ABSTRACT

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
1	<p>Excavation for <b>foundation in earth, soil of all types, sand, gravel and soft murum</b>, including removing the excavated material up to a distance of 50 m. beyond the building area &amp; stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. <b>(Lift upto 1.5 m.) By Mechanical Means</b></p> <p>Bd.A.1 Page No. 259 <b>SSR OF 2021-22 ITEM NO. 21.01 &amp; PAGE NO.115</b> <b>BASIC RATE</b></p>	36.910	232.00	Cu.M.	8563.00
2	<p>Excavation for <b>foundation in hard murum</b> 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. <b>(Lift upto 1.50 m to 3.0 m) By Mechanical Means</b></p> <p>Bd.A.2 Page No. 259 <b>SSR OF 2021-22 ITEM NO. 21.08 &amp; PAGE NO.115</b> <b>BASIC RATE</b></p>	63.180	265.00	Cu.M.	16743.00
3	<p>Excavation for foundation in <b>Hard rock by chiselling, wedging</b>, line drilling, etc. including trimming and levelling the bed, removing the excavated material upto a distance of 50 metres beyond the building area stacking as directed, dewatering and back filling with available earth/ murum watering, ramming etc. complete. (Lift upto 3.0m). By Mechanical Means (by Poclairnachine)</p> <p>Bd.A.3 Page No. 260 <b>SSR OF 2021-22 ITEM NO. 21.17 &amp; PAGE NO.116</b> <b>BASIC RATE</b></p>	113.180	869.00	Cu.M.	98353.00
4	<p>Providing and laying Cast in <b>situ/Ready Mix cement concrete in M-10</b> of trap/ granite/ quartzite/ gneiss metal <b>for foundation and bedding</b> including bailing out water, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, <b>with fully automatic micro processor based PLC with SCADA</b> enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. <b>With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc)</b></p> <p>Bd. E. 1 Page No. 287 <b>SSR OF 2021-22 ITEM NO. 24.01 &amp; PAGE NO.131</b> <b>RATE ANALYSIS</b></p>	180.667	5745.26	Cu.M.	1037979.00

## 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 <b>R.C.C. work in foundations like raft, strip foundations, grillage and footings</b> 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, <b>with fully automatic micro processor based PLC with SCADA</b> enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. <b>With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc)</b></p> <p>Bd.F.3 Page No. 298 and B.7, Page No.38</p> <p><b>SSR OF 2019-20 ITEM NO. 25.11 &amp; PAGE NO.133</b></p> <p><b>RATE ANALYSIS</b></p>	45.792	6792.56	Cu.M.	311045.00
6	<p>Providing and laying Cast in <b>situ/Ready Mix cement concrete M-20</b> of trap / granite /quartzite/ gneiss metal for <b>R.C.C. columns</b> 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).<b>with fully automatic micro processor based PLC with SCADA</b> enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. <b>With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc)</b></p> <p>Bd.F.5 Page No. 300 and B.7, Page.No. 38</p> <p><b>SSR OF 2019-20 ITEM NO. 25.31 &amp; PAGE NO.134</b></p> <p><b>RATE ANALYSIS</b></p>	28.530	12481.46	Cu.M.	356096.00
7	<p>Providing and laying <b>Cast in situ/Ready Mix cement concrete M-20</b> of trap / granite /quartzite/ gneiss metal for <b>R.C.C. beams and lintels</b> 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. <b>With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc)</b></p> <p>Bd.F.6 Page No. 300 and B.7, Page No.38</p> <p><b>SSR OF 2019-20 ITEM NO. 25.5 &amp; PAGE NO.135</b></p> <p><b>RATE ANALYSIS</b></p>	49.450	11127.86	Cu.M.	550273.00

## ABSTRACT

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
8	<p>Providing and laying <b>Cast in situ/Ready Mix cement concrete M-20</b> of trap/ granite/ quartzite/ gneiss metal for <b>R.C.C. chajja</b> 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).<b>with fully automatic micro processor based PLC with SCADA</b> enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. <b>With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc)</b></p> <p>Bd.F.9 Page No. 303 and B.7, Page No.38  <b>SSR OF 2019-20 ITEM NO. 26.05 &amp; PAGE NO.137</b>  <b>RATE ANALYSIS</b></p>	13.935	12593.06	Cu.M.	175484.00
9	<p>Providing and laying <b>Cast in situ/Ready Mix cement concrete M-25</b> of trap / granite / quartzite / gneiss metal for <b>R.C.C. canopy</b> 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). <b>with fully automatic micro processor based PLC with SCADA</b> enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. <b>With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc)</b></p> <p>Bd.F.10 Page No. 304  <b>SSR OF 2019-20 ITEM NO. 26.11 &amp; PAGE NO.137</b>  <b>RATE ANALYSIS</b></p>	8.955	12753.04	Cu.M.	114203.00
10	<p>Providing and laying <b>Cast in situ/Ready Mix cement concrete in M-20</b> of trap / quartzite /granite /gneiss metal for <b>R.C.C. Waist slab, and steps of staircases</b> 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.) <b>with fully automatic micro processor based PLC with SCADA</b> enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. <b>With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc)</b></p> <p>Bd. F. 13 Page No. 305 /I.S. 456 (2000)  <b>SSR OF 2021-22 ITEM NO. 26.25 &amp; PAGE NO.138</b>  <b>RATE ANALYSIS</b></p>	12.804	12616.46	Cu.M.	161541.00

## ABSTRACT

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
11	<p>Providing and <b>fixing in position TMT - FE - 500 bar reinforcement</b> of various diameters <b>for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches</b> 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.</p> <p>Bd.F.17, Page No. 306</p> <p><b>SSR OF 2021-22 ITEM NO. 26.33 &amp; PAGE NO.139</b></p> <p><b>RATE ANALYSIS</b></p>	20.000	72064.40	M.T.	1441288.00
12	<p>Providing <b>second class Burnt Brick masonry</b> with conventional/ I.S. type bricks in <b>cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls</b> including bailing out water manually , striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete.</p> <p>Bd.G. 1 Page No. 313</p> <p><b>SSR OF 2021-22 ITEM NO. 27.01 &amp; PAGE NO.144</b></p> <p><b>RATE ANALYSIS</b></p>	33.120	7804.99	Cu.M.	258501.00
13	<p>Filling in <b>plinth and floors with approved excavated material in 15cm. to 20cm. layers</b> including watering and compacting etc. complete.</p> <p>Bd.A.10 Page No. 262</p> <p><b>SSR OF 2021-22 ITEM NO. 21.36 &amp; PAGE NO.117</b></p> <p><b>BASIC RATE</b></p>	126.360	113.00	Cu.M.	14279.00
14	<p>Filling in <b>plinth and floors with contractors material/brought from outside</b> and approved by Engineer incharge in layers of 15cm. to 20cm. including watering and compaction etc. complete.</p> <p>Bd.A.11 Page No. 263</p> <p><b>SSR OF 2021-22 ITEM NO. 21.37 &amp; PAGE NO.117</b></p> <p><b>RATE ANALYSIS</b></p>	1550.000	626.00	Cu.M.	970300.00
15	<p>Providing <b>soling using 80 mm size trap metal in 15 cm.</b> layer including filling voids with Crushed sand/grit, rammina. watering etc. complete. As directed by Engineer in charge.</p> <p><b>SSR OF 2021-22 ITEM NO. 21.4 &amp; PAGE NO.118</b></p> <p><b>RATE ANALYSIS</b></p>	540.600	1058.94	Cu.M.	572463.00
16	<p>Providing <b>second class Burnt Brick masonry</b> with conventional/ I.S. type bricks in <b>cement mortar 1:6 in superstructure</b> including striking joints, raking out joints, watering and scaffolding etc. Complete Bd.G.5 Page No. 315</p> <p><b>SSR OF 2021-22 ITEM NO. 27.05 &amp; PAGE NO.144</b></p> <p><b>RATE ANALYSIS</b></p>	191.360	7531.99	Cu.M.	1441322.00
17	<p>Providing internal <b>cement plaster 20mm thick in two coats</b> in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete Bd.L.4 Page No. 368</p> <p><b>SSR OF 2021-22 ITEM NO. 32.06 &amp; PAGE NO.153</b></p> <p><b>RATE ANALYSIS</b></p>	832.000	385.70	Sq.M.	320902.00

## ABSTRACT

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
18	<p>Providing <b>sand faced plaster externally in cement mortar</b> 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>Bd.L.7 Page No. 369</p> <p><b>SSR OF 2021-22 ITEM NO. 32.11 &amp; PAGE NO.153</b></p> <p><b>RATE ANALYSIS</b></p>	1024.000	534.99	Sq.M.	547830.00
19	<p>Providing and fixing in position <b>factory made box type steel window</b> 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>As directed by Engineer in charge</p> <p><b>SSR OF 2021-22 ITEM NO. 39.22 &amp; PAGE NO.181</b></p> <p><b>BASIC RATE</b></p>	81.000	5150.00	Sq.M.	417150.00
20	<p>Providing and fixing <b>rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with</b> 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) (<b>Without mechanical gear</b>)</p> <p>Bd.T.55, Page No. 510</p> <p><b>SSR OF 2021-22 ITEM NO. 39.24 &amp; PAGE NO.181</b></p> <p><b>BASIC RATE</b></p>	63.000	4310.00	Sq.M.	271530.00
21	<p>Providing and <b>applying white-wash in two coats</b> on old / new plastered or masonry surfaces and asbestos cement sheets including scaffolding and preparing the surface by brushing &amp; brooming down etc. complete.</p> <p>Bd. P. I Page No. 411</p> <p><b>SSR OF 2021-22 ITEM NO. 36.03 &amp; PAGE NO.167</b></p> <p><b>BASIC RATE</b></p>	1956.000	11.00	Sq.M.	21516.00

## ABSTRACT

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
22	<p>Providing and <b>applying washable oil-bound distemper</b> of approved colour and shade to old &amp; new surfaces in <b>two coats</b> including scaffolding, preparing the surfaces. (excluding the primer coat.) etc. complete.</p> <p>Bd.P.5 Page No. 413  <b>SSR OF 2021-22 ITEM NO. 36.11 &amp; PAGE NO.167</b>  <b>BASIC RATE</b></p>	900.000	39.50	Sq.M.	35550.00
23	<p>Providing and <b>applying three coats of water proof cement paint</b> of approved manufacture and of approved colour to <b>new plastered surfaces</b> including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete.</p> <p>Bd.O.8/Page No.406  <b>SSR OF 2021-22 ITEM NO. 35.15 &amp; PAGE NO.165</b>  <b>BASIC RATE</b></p>	1024.000	97.00	Sq.M.	99328.00
24	<p>Providing preconstruction <b>alantitermite treatment</b> 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><b>BASIC RATE AS PER SSR OF 2021-22 ITEM NO. 21.22 &amp; PAGE NO.116</b>  <b>BASIC RATE</b></p>	1284.240	72.00	Sq.M.	92465.28
25	<p>Providing and fixing lightening conductor system comprising of erecting <b>Air-Termination</b> 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 embedded 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 specially prepared earth pits 1.5 metre below ground level with 40 Kilogram charcoal and salt with alternate layers of charcoal and salt and G.I. pipe 40mm dia 2 meter length buried in earth upto earthing plate remaining portion above ground level for watering and refilling complete Note- Copper strip from lightning conductor is not considered in this item.</p> <p><b>SSR OF 2021-22 ITEM NO. 44.18 &amp; PAGE NO.214</b>  <b>BASIC RATE</b></p>	1.000	22189.00	NOS	22189.00
26	<p>Providing and laying in situ cement concrete <b>M30</b> 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  <b>SSR OF 2021-22 ITEM NO. 33.31 &amp; PAGE NO.277</b>  <b>RATE ANALYSIS</b></p>	1140.000	1070.55	Sq.M.	1220427.00
<b>TOTAL(A) Rs.</b>					<b>10577320.28</b>

## ABSTRACT

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
<b>B</b>	<b>Above Plinth ( PEB WH. BLDG.)</b>				
1	<p><b>StructuralSteelE-350</b>  Supplying, fabricating, erecting and fixing in position of steel structures at all elevations using fusion welding quality steel E-350 (Fe490) conforming to IS:2062 - 2006. Rate shall include cost of cutting, welding, splice plates and packing plates, transporting, straightening, cleaning, fabricating and erecting in positionwelded/bolted Structural steelwork in columns, beams, trusses, purlins, platforms, ladders, monorails, staircases ,supports, strengthening of steel membersetc. at site to line and level, supplyof approved bolts/nuts/washers etc. complete as per drawings includingpainting as per G4/G5/G6 before erection and all materials and labour charges etc., complete and including Sand blasting &amp; painted with 1 coats of enamel paint (Berger EPILUX SG - HHI 664002) of 35-50 micron each coat with air less spray gun over a coat of zinc chromate primer- 35-50micron etc., complete as shown rawings, as per specifications and as directedby the Engineer-in-Charge/ Construction Manager. (The rate quoted shall include cost of bolts,nuts, washers, welding and electrodes required for the complete work).</p>	25.000	98500.00	MT	2462500.00
2	<p><b>Structural Steel-Cold Formed Light gauged</b> -Supplying, fabricating and erecting of Cold Formed Light Gauge structural steel members conforming to IS:801/ IS:811 hot-dip galvanised to IS:4759 - 96 including cutting, welding or bolting, splice plates and packing plates, transporting, straightening, cleaning, Fabricating and erecting in position.</p>	6.911	98500.00	MT	680733.50
3	<p><b>Sheeting PPGL0.5mmthk</b>  Supply &amp; Fixing of PPGI sheets of 0.5mm thick as shown in drawing or as directed by engineer incharge withall necessary accessories.</p>	7.330	98500.00	MT	722005.00
4	<p><b>Roof Accessories</b>  Supply &amp; Fixing of 0.5 mm thk PPGL roof accessories as per drawing or as directed by engineer incharge-</p>				
	CORNER FLASHING	21.000	1500.00	RMT	31500.00
	Center Ridge	54.000	1500.00	RMT	81000.00
	Gable flashing	44.000	1500.00	RMT	66000.00
5	<p><b>Roof Gutter</b>  Roof Gutter(AssumedGirth-600mm)PPGI 0.5mmThk. -- Supplying, fabricating and erecting in position PPGI Eaves Gutter of required size with stop ends, all fixing accessories, drop ends, etc., atall elevations levels &amp; heights including aligning, leveling, providing and fixing bolts, nuts, washers etc., conforming to latest specification including straightening, cutting, welding, bending to shape, bolting etc., complete and as directed as per engineer Incharge /Construction Manager.</p>	130.000	1850.00	RMT	240500.00

## ABSTRACT

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
6	<b>Down take Pipe</b> Providing and fixing of the rain water down take pipes of PPGI, the sectional area of rain water down take pipes provided shall be generally at the rate of 1 square cm per 70 to 80 square decimetre of roof area drained. No spout shall be less than 80 mm in diameter. The spacing of spouts shall be arranged to suit the position of openings in the wall including necessary accessories for fixing the pipe and including all materials and labour charges etc., complete as shown in drawings, as per specifications and as directed by the Engineer-in-Charge/Construction Manager.	150.000	1652.64	RMT	247895.25
7	<b>Polycarbonate Sheet</b> Supply & Fixing of 2mm thk polycarbonate sheets as per drawing & as directed by Engineer in-charge.	10.080	1100.00	SqM	11088.00
8	<b>Turbo Ventilator</b> Supply & Fixing of turbo ventilator with 610 mm throat, having base ring & top plate in	16.000	9707.00	Nos.	155312.00
<b>TOTAL(B) Rs.</b>					<b>4698533.75</b>
29	<b>ROYALTY CHARGES</b> :- Supply of <b>Rubble, Murum, Soil, 60mm./40mm. metal (Hand broken)</b> , royalty charges are not included in the rates.[As per <b>Govt. of Maharashtra, Revenue and Forest Departments Gazette No.67 Dt.15 May,2015</b> . States that the royalty charges of Rs.400/BRASS. ) are considered. The surcharge levied on Royalty shall also be payable to the contractor.				
	<b>E DSR ITEM NO. ... &amp; PAGE NO....</b>	465.679	237.37	Cu.M.	110538.00
	FOR SAND	1529.550	216.18	Cu.M.	330658.00
	FOR OTHER METAL				
<b>TOTAL(B) Rs.</b>					<b>441196.00</b>
30	<b>Laboratory testing charges</b> 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 <b>certified quality must be use by contractor.</b>				
	<b>BASIC TEST OF AGGREGATE</b> Water Absorption, Specific Gravity, Impact Value, Crushing Value	2.000	2600.00	Nos.	5200.00
	<b>BASIC TEST OF CEMENT</b> Standard Consistency Fineness, Specific Gravity, Setting Time ( Initial & Final), Compressive Strength, Soundness	2.000	3770.00	Nos.	7540.00
	<b>BRICKS</b> Water Absorption , Compressive Strength, Efflorescence (Set of 5 bricks)	2.000	2175.00	Nos.	4350.00
	<b>CONCRETE</b> Compressive strength of C.C.Cube (Set of 3 cubes)	3.000	690.00	Nos.	2070.00
	<b>MURUM-HARD</b> Sieve Analysis	2.000	690.00	Nos.	1380.00
	<b>STEEL BAR TESTING</b> Upto 16 mm (Set of 3 Bars)	2.000	1275.00	Nos.	2550.00
<b>TOTAL(C) Rs.</b>					<b>23090.00</b>
<b>TOTAL(A+B+C) Rs.</b>					<b>15740140.03</b>

NAME OF WORK:- PROPOSED CONSTRUCTION OF 1/2000 MT GODOWN FOR REFORMERS FARMERS PRODUCER COMPANY LIMITED IN SURVEY NO. 13, AT KAULKHED, TQ. UDGIR, DIST. LATUR

SW V -Electrification

Elect.D.S.R.2020-21 & M.R.

I.N.	DESCRIPTON OF ITEM	QUANTITY	UNIT	I.N./ P.N	BASIC		TOTAL	ADD 5 %	TOTAL	AMOUNT
					RATE	R.A.		Other Than Dist.	Rate	
					Rs. Ps					
1	2	3	4	5	6	7	8	9	10	11
1	Supplying, erecting & terminating XLPE armoured cable 3 core 6 sq. mm. copper conductor continuous 5.48sq.mm. (12SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench / pipe as per specification no. CB-LT/CU	60	R M	7-2-16/129	283.00		283	14.15	297.15	17829
2	Making trench of suitable width and depth in hard rock / tar road or laying provided LT cable upto and including 16 sq. mm complete as per specification no.CW-EXNCTR	50	R M	16-1-2/129	193.00		193	9.65	202.65	10132.5
3	Making trench of suitable width and depth in soft soil for laying provided LT cable upto and including 16sq.mm complete as per Specification no.CW-EXN-CTR	10	R M	16-1-1/239	156.00		156	7.8	163.8	1638
4	Supplying & erecting mains PVC unarmoured cable 1100Volt grade ISI mark 3core/2.5 sqmm stranded /solid copper complete erected on wall with duly painted G.I. Saddle.	150	R M	RA	125.00		125	6.25	131.25	19687.5
5	Supplying & erecting weather proof powder coated distribution board 4 way with 2 x 6/10Amp S. P. M. C. B. with industrial two pin plug socket 10A and 3pin plug top 10 A with top cover necessary connection etc complete with approved make.	2	NO	RA	1290.00		1290	64.5	1354.5	2709

6	Providing point wiring for street light withPVC unarmoured cable 1100Volt grade ISI mark3core1.5sqmmstranded/ solid copper erected on wall with G. I. Saddle duly painted @ 0,25 m C/C rigidly grouted in the wallwiththe help of plated screw including 4"x4"M.S.box 2 waywith Epoxy painting.	10	R M	RA	1223.00	1223	61.15	1284.2	12841.5
7	Supplying&erecting10-12W,230Vintegral type LED Lamp suitable for B-22/E-27 base.	8	NO	2-10-11/42	230.00	230	11.5	241.5	1932
8	Supplying and erecting LED street light fitting suitablefor20 to25W, withPF>0.95 class IP65 and above housingof pressure die cast aluminium alloy and heat sink extruded aluminium complete as per specification No FG-ODF/FLS	8	NO	2-5-2/34	2009	2009	100.45	2109.5	16875.6
9	SupplyinganderectingstreetlightWallbracketmadefrom40 mm.dia'B'classG.I. Pipe 1.2m in total length complete as per specification no. FG-BKT/WB	8	NO	2-9-4/38	712	712	35.6	747.6	5980.8
10	Providing earthing with galvanized iron earth plate size60x60x0.6cm complete with all materials, testing & recording the results as per specification no. EA-EP	2	NO	9-1-1/159	4238	4238	211.9	4449.9	8899.8
11	Providingpipetypeearthingwith40mm.dia. G.I.pipeor20mmdia.G.I.Rodcomplete withallmaterialsasper specification no.EA-EP	1	NO	9-1-4/159	1355.00	1355	67.75	1422.8	1422.75
12	Supplying,erecting&markingDPMCB6Ato 32A, C-series(for motor/power) provided distribution board as per specification no. SW-SWR/MCB	1	NO	5-3-6/94	488	488	24.4	512.4	512.4
13	Supplying, erecting & marking SPMCB 6A to 32A,B-series (for lighting) in provided distributionboard asperspecificationno.SW-SWR/MCB	3	NO	5-3-3/94	164.4	164.4	8.22	172.62	517.86
14	SupplyinganderectingGIsheet1.6mm (16SWG)tobe usedforfabricationofboxes panel boards etc. including cutting, bending, drilling, welding, riveting etc. and paintingwithonecoatofredleadpaintand2 coatsofenamelpaint	1	Sq M	6-1-2/112	2264.00	2264	113.2	2377.2	2377.2

15	Supplying and erecting marine plywood 18/19 mm thick fixed to wall or on provided panel board with necessary materials such as screws, wall fasteners, supports, nut bolt setc. complete.	1	Sq M	6-1-14/113	1342.00	1342	67.1	1409.1	1409.1
16	Supplying and erecting triple pole and neutral distribution board (TPNDB) surface/ flush mounted suitable for SPMCB of 12 ways on iron / GI frame (horizontal busbar type) as per specification no. SW-SWR/MCBDB	2	NO	RA	4732.00	4732	236.6	4968.6	9937.2
17	Supplying & erecting G.I. pipe 'A' class 25 mm dia. erected for enclosing XLPE armoured cable on wall/pole as per specification no. CB-CE	20	R M	7-6-1/138	196.00	196	9.8	205.8	4116
18	Supplying & erecting G.I. pipe 'A' class 40 mm dia. erected for enclosing XLPE armoured cable on wall/pole as per specification no. CB-CE	12	R M	7-6-2/138	304.00	304	15.2	319.2	3830.4
19	Supplying and laying (including excavation of suitable width & depth upto 90cm) 75 mm outside dia. Double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, to required depth complete.	24	R M	7-6-10/139	227.00	227	11.35	238.35	5720.4
20	Supplying & erecting 18 gauge M.S. Box powder coated (4"x4") 3way for mains connection.	2	NO	MR	80.00	80	4	84	168
21	Supplying & erecting Siemens type brass cable glands for 3 to 4 core 6sq.mm./2 to 4 core 10sq.mm. for XLPE armoured cable as per specification No. CB-GL	12	NO	7-7-2/139	58.00	58	2.9	60.9	730.8
22	Supplying shockproof type hand lamp with lamp holder, bulb/ lamp 100W guarded glass and 30mtr. 3core PVC flexible cord With hand shield type 3pin 6Amp. Plug top.	2	NO	RA	1573.00	1573	78.65	1651.7	3303.3
23	Point wiring for independent plug in 20 mm ISI marked HMS PVC conduit with 1.5sq.mm (2+1E) FRLSH grade copper wire, flush type switch, earthing and required accessories as per specification No: WG- PW/SW	3	NO	1-9-8/17	496.00	496	24.8	520.8	1562.4

24	Supplying and erecting Street light bracket made from 25 mm. dia 'B' class G.I. Pipe, 0.6m length along with pole cap of 300mm length and 80mm dia duly welded with provided leads as per specification no. FG- BKT/BPC	8	NO	RA	466.00	466	23.3	489.3	3914.4
25	Supplying & erecting mains with 2x2.5 Sq.mm stranded copper PVC insulated wire with 2 x 1.5Sq.mm copper PVC wire in PVC casing - capping 20 mm on wall / ceiling.	8	R M	RA	131.00	131	6.55	137.55	1100.4
26	Supplying & erecting main with 2 x 4.00Sq.mm stranded copper PVC insulated wire with 2x1.5Sq.mm copper PVC wire in PVC casing-capping on wall/ ceiling.	8	R M	RA	154.00	154	7.7	161.7	1293.6
27	Supplying and erecting double pole switch surface type/ flush type 240V, 32A with indicator lamp & fuse as per Specification no. SW-SWR/BDP.	4	NO	5-1-1/89	177.00	177	8.85	185.85	743.4
28	Supplying and erecting double pole metal clad switch with HC type fuse and neutral link 240V ,32A on iron / G I frame as per specification no. SW-SWR/MDP..	4	NO	5-1-3/89	783.00	783	39.15	822.15	3288.6
29	Supplying & erecting 3W, 230V integral type LED Lamp suitable for B-22/E-27 base.	8	NO	2-10-9/40	125.00	125	6.25	131.25	1050
30	Supplying and erecting T8 Fluorescent tube daylight 1200mm 36 W	6	NO	2-10-2/40	44	44	2.2	46.2	277.2
31	Supplying & erecting ready to use Retrofit T8 LED 18/20 tube light with polycarbonate body, heatsink, integrated HF electronic driver complete & compatible to T8/T12 LED luminaire by disconnecting starter & ballast if necessary.	8	NO	2-10-14/40	626	626	31.3	657.3	5258.4
32	Supplying and erecting regular/standard model ceiling fan of 900/1050mm. sweep complete erected in position as per specification no. FG-FN/CF	2	NO	2-12-2/41	1894	1894	94.7	1988.7	3977.4
33	Supplying and fixing wire mesh (Jali) cover suitable for fitting/ fan or for any purpose, Complete with necessary materials. The jali cover shall be made from good quality G.I. wire mesh	4	NO	2-4-10/33	442	442	22.1	464.1	1856.4

34	S & E STEEL TUBULAR SWAGED POLE 139.7X114.3X88.9mm dia.	8	NO	8.1.1	8105		8105	405.25	8510.3	68082
35	Supplying and erecting street light Wall bracket made from 25 mm. dia 'B' class G.I. pipe1.2mintotallengthcompleteasper specificationno.FG-BKT/WB	8	NO	2-9-3/38	575		575	28.75	603.75	4830
36	Supplying & erecting CRCA sheet metal one way enclosures suitable for DPMCB/TPMCB /FPMCBelectedonangleiron/GIframe complete	1	NO	5-3-23/97	361		361	18.05	379.05	379.05
37	Supplying erecting and marking four pole isolatorsonly switch version of miniature circuitbreakersof40Ainprovided distributionboardcomplete.	1	NO	5-3-24/95	625		625	31.25	656.25	656.25
									<b>Total</b>	<b>230840.61</b>

**ABSTRACT SHEET**

PROPOSED CONSTRUCTION OF CC ROAD FOR REFORMERS FARMERS PRODUCER COMPANY LIMITED IN SURVEY NO. 13, AT KAULKHED, TQ. UDGIR, DIST. LATUR

**SW II -INTERNAL ROADS**

SN	ITEMS OF WORK	QTY	RATE	UNIT	AMOUNT
1	<b>Excavation for roadway in earth, soil of all sorts, sand, gravel or soft murum</b> including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m. and spreading for embankment or stacking as directed. By Manual Means. <b>(with prior permission of S.E.)</b> <b>SSR w.e.f 06-08-2021 It. No.2.18 Sr. no.87</b>	520.00	104.00	Cu m	54080.00
2	Conveying excavated material up to 0.50 km As per S.S.R. rate of transportation <b>Rate As per Transportation of materail SSR w.e.f. 06-08-2021</b>	232.00	177.00	Cu m	41064.00
3	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete. Spec. No. : As directed by Engineer-in-charge. <b>SSR w.e.f 06-08-2021 It. No.21.40 Sr. no.743</b>	360.00	1510.00	Cu m	543600.00
4	Providing and laying in situ / ready mix cement concrete of M-10 proportion with trap/ granite/ quartzite/ gneiss metal in foundation including necessary form work, compacting and curing etc. complete. (with reversible drum type mixer with SCADA with fine aggregates of required specifications (Natural sand / VSI sand finely washed etc ) CD.-3 Page.No. 160 <b>SSR w.e.f 2021-22 It. No.11.02 Sr. no. 381</b>	60.00	6226.55	Cu m	373593.00
5	Providing and laying in situ / ready mix M-20 cement concrete of trap /granite /quartzite /gneiss metal for approach slab / Rigid pavement including compacting, finishing, curing etc. complete. (excluding reinforcement) (with reversible drum type mixer/ concrete batch mix plant (pan mixer) with SCADA with fine aggregates of required specifications (Natural sand / VSI sand finely washed etc ), cement 6.40 bags/cumt) CD.15 Page.No. 168 and B.7. Page No. 38 <b>SSR w.e.f 2021-22 It. No.11.25 Sr. no. 401</b>	120.00	7095.00	Cu m	851400.00
6	Providing, cutting, bending, hooking, tying and laying in position TMT FE 500 steel bars for reinforcement for all RCC works as per detailed drawings etc. complete. BR.35 Page No. 134 <b>SSR w.e.f 2021-22 It. No.14.01 Sr. no.457</b>	1.29	62174.00	Mt.	80243.00
7	Supplying hard murum/ kankar at the road site, including conveying and stacking complete. MORTH 408 <b>SSR w.e.f 2021-22 It. No.2.29a Sr. no.102</b>	60.00	503.00	Cu m	30180.00

8	Spreading hard murum/ soft murrum/ gravel or kankar for side width complete MORTH 408 <b>SSR w.e.f 2021-22 It. No.2.30 Sr. no.104</b>	60.00	74.00	Cu m	4440.00
			<b>Total A</b>		<b>1978600.00</b>
9	Royalty	460.00	232.60	Cum	106996.00
			<b>Total B</b>		<b>106996.00</b>
10	Quality Control				
	Compressive Strength of M 10 Cube	2.00	695.00	No	1390.00
	Compressive Strength of M 20 Cube	2.00	695.00	No	1390.00
			Total C		<b>2780.00</b>
			<b>Total A+B+C</b>		<b>2088376.00</b>