

**SAMARTH**

CONSTRUCTION &amp; INFRASTRUCTURE, SHIRPUR

CHARTERED ENGINEER &amp; CONSULTING ENGINEERS

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**ESTIMATE**

Name of work :- Construction of Working shed Unit of Cleaning / Grading/Packing For "Gorakshanath Producer Company Limited" At - Waghari Post- Tehu in Gat No. 47/2 , Tal-Parola , Dist- Jalgaon Under

**Director : Mr. Bhatu Ashok Patil****ESTIMATE FOR THE YEAR 2021-2022****Under** बाळासाहेब ठाकरे कृषी व्यवसाय आणि ग्रामीण परिवर्तन(स्मार्ट)योजना

Name of work :- Construction of Working shed Unit of Cleaning / Grading/Packing For "Gorakshanath Producer Company Limited" At - Waghari Post- Tehu in Gat No. 47/2 , Tal-Parola , Dist- Jalgaon Under

बाळासाहेब ठाकरे कृषी व्यवसाय आणि ग्रामीण परिवर्तन(स्मार्ट)योजना  
जागतिक बँक सहायत उपक्रम

**Estimated Cost Rs 38,48,253.00**

Name of work :- Construction of Working shed Unit of Cleaning / Grading/Packing For "Gorakshanath Producer Company Limited" At - Waghari Post- Tehu in Gat No. 47/2 , Tal-Parola , Dist- Jalgaon Under

मा.बाळासाहेब ठाकरे कृषी व्यवसाय आणि ग्रामीण परिवर्तन (स्मार्ट) योजनाजागतिक बँक सहायत उपक्रम

**RECAPITULATION SHEET**

Sr.No.	PARTICULERS	Amount In Rs.
A	Cost of Civil Work for Proposed Construction	3314031.15
B	Add Labour Insurance Charges @ 1%	33140.31
	<b>Total Amount A+B+C</b>	<b>3347171.46</b>
C	Add Goods and Services Tax @ 12%	401660.57
D	Add 3% Fire Fighting on A	99420.93
	<b>Total Estimated Cost</b>	<b>3848252.97</b>
	<b>Say Rs.</b>	<b>38.48</b>
<b>In words- Thirty Eight Lakh Fourty Eight Thousand Rupees Only</b>		
	<b>Chartered Engineer</b>	



*Gaurav*  
**Er. Gaurav D. Dorik (B.E. Civil)**  
 Consulting Engineer  
 Shirpur, Tal. Shirpur  
 Dist- Dhule.  
 Reg.No-TPD/RPD/143

Name of work :- Construction of Working shed Unit of Cleaning / Grading/Packing For "Gorakshanath

Producer Company Limited" At - Waghari Post- Tehu in Gat No. 47/2 , Tal-Parola , Dist- Jalgaon Under

मा.बाळासाहेब ठाकरे कृषी व्यवसाय आणि ग्रामीण परिवर्तन (स्मार्ट) योजनाजागतिक बँक सहायत उपक्रम

**Abstract Sheet**

Sr.No.	Description	Quantity	Unit	Rate	Amount
1.0	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, Page No.259 ] 193.00/Cum	47.95	Cum	193.00	9254.74
2.0	Excavation for foundation in earth, soils of all types, sand, gravel and soft-murum, including removing the excavated material up to a distance of 50 meters 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 1.5m to 3.0m) By Mechanical Means [SSR Item No.21.04, Page No.189] 258.00/Cum	12.60	Cum	241.00	3036.60
3.0	Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand-packing and compacting etc. complete. (SSR Item No.21.38, Page No.194) 1382.00/Cum	32.42	Cum	1815.90	58868.61
4.0	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer in-charge in layers of 15 cm to 20 cm including watering and compaction etc. complete. [SSR Item No.21.37, Page No.194] 795.00/Cum	162.11	Cum	730.90	118487.23
5.0	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 centring, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic microprocessor 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, Page No. 215] 5830.00/Cum	21.61	Cum	5499.89	118865.16

6.0	<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, Steel centring 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 microprocessor 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, Page No.219] 7104.00/cum</p>	7.05	Cum	6481.33	45685.60
					0.00
7.0	<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 steel 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 microprocessor 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.25.31, Page No.221] 13783.00/cum</p>	13.96	Cum	12170.23	169848.12
8.0	<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 centring, 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 microprocessor 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.25.50, Page No.223] 12269.00/cum)</p>	5.34	Cum	10816.63	57797.15
					0.00


9.0	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 steel centring, 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 microprocessor 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, Page No. 237]13932.00/cum	0.73	Cum	12281.83	8931.35
10.0	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 as required complete. [SSR Item No.26.33, Page No.233] 89703.00/MT	2.55	Mt	71926.81	183651.33
11.0	Providing and fixing in position HCRM / CRS (Corrosion Resistant Steel) 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 as required complete. [SSR Item No.26.34, Page No.233] 94136.00/MT	0.26	Mt	83326.00	21275.70
12.0	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 water manually, striking joints, raking out joints and watering etc Complete. SSR I.NO. 27.03 @ 7116.00 Per Cum	7.82	Cum	7473.45	58464.65
13.0	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 Item No.27.05, Page No.242] 7994.00/Cum	31.46	Cum	7927.45	249429.29

14.0	<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 centre- to-centre. 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 um Zinc-Tin alloy coated, Hex head, self-drilling screw etc. complete. (Weight of profile 4.52 Kilogram/Square Metre) [SSR Item No. 38.34, Page no.291] 1173.00/Sqm</p>	418.824	Sqm	1095.00	458612.28
					0.00
15.0	<p>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, Page No.256] 278.00/Sqm</p>	156.720	Sqm	271.32	42521.27
16.0	<p>Providing internal cement plaster 20mm thick in two coats in cement mortar 1:4 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. Complete. [SSR Item No.32.07, Page No.256] 382.00/Sqm</p>	260.757	Sqm	377.01	98308.00
17.0	<p>Providing and laying Rough Shahabad Stone Flooring 50mm to 60mm thick and of required width in plain/ diamond pattern on a bed of 1:6 C.M. including cement float, striking joints, pointing in cement mortar 1:3 curing and cleaning etc. etc. complete. [SSR Item No.33.03, Page No.261] 900.00/Sqm</p>	0.000	Sqm	846.00	0.00
18.0	<p>Providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates etc. as per detailed designs and drawings or as directed including cutting, fabricating, hoisting, erecting fixing in position, Making riveted/ bolted/ welded connection and one coat of anticorrosive paint and over it 2 coats of oil painting approved quality and shade etc. complete. [SSR Item No.23.04, Page No.212] 119459.00/MT</p>	11.580	Mt	105909.00	1226426.22
19.0	<p>Providing and fixing mild steel grill work for windows, ventilators etc. 20 kg/sq.m 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, Page No.329] 2097.00/Sqm</p>	12.600	Sqm	1845.00	23247.00

20.0	Providing and applying plastic emulsion paint of approved quality, colour and shade to old and new surfaces in two coats including scaffolding, preparing the surface. (Excluding the primer coat) etc. complete. [SSR Item No.36.12, Page No.280], 80.00/Sqm	156.720	Sqm	70.00	10970.40
21.0	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, Page No.276], 79.00/Sqm	260.757	Sqm	74.00	19296.02
22.0	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 Item No.39.24, Page No.307], 4829.00/Sqm	9.000	Sqm	4310.00	38790.00
23.0	Providing and fixing screw down 15 mm dia. wheeled stop tap of brass including necessary sockets/union nut complete [SSR Item No.41.43, Page No.337 ], 516.00/No.	2.000	No	468.00	936.00
24.0	Providing and fixing in position (as per 1868 / 1982) Aluminium sliding window of three tracks with rectangular pipe 95 x 38.10 x 0.90 mm at weight 0.637 kg/Rmt. with window frame bottom track section 92 x 31.75 x 1.30 mm at weight 1.070 kg/Rmt.. Top and side track section 92 x 31.75 x 1.30 mm at weight 0.933 kg/Rmt. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 kg/Rmt. and handle and top section 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. As per detailed drawings and as directed by Engineer-in-charge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self-locking catch fitted in vertical section of shutter including 5 mm thick plain glass and aluminium mosquito net shutter with stainless steel jail with all required screws and nuts etc., complete. With colour anodising without box [SSR Item No.39.42, Page No.316]	12.600	Sqm	5471.00	68934.60
25.0	Providing and fixing on walls/ceiling/floor 20 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. [SSR Item No.42.56, Page No.349], 310.00/Rgm.	30.000	Rgm	285.00	8550.00

26.0	Providing and fixing H.D.P container one piece moulded water tank made out of high density polythylar and built corrugated inclusive of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow pipe inclusive of all tanks capacity between 200 to 1000 litres [ SSR Item No.42.53, Page No.349], 14.00/Lit.	5000.000	Ltr	13.00	65000.00
27.0	Turbo Ventilator 24" : Providing and fixing wind operated turbo ventilator system of various sizes over the existing roof including cutting CGI sheet, proper fixing in position to true line and level with all fixtures and fastenings including etc. complete. [SSR I.No. 42 on P.No. 672] 9702.00/No.	8.000	No	8680.00	69440.00
28	Sand Royalty Charges for this work.As per Government Of Maharashtra Revenue and Forest Departments Gazette No. 146 Dt. 04 June 2021, States that the Royalty Charges of Rs.600/- Per Brass (i.e. Rs.211.95/Cu.M.) are to be considered. The surcharge levied on Royalty shall also be payable to the contractor.	43.11	Nos	237.37	10232.16
29	Other Minerals Royalty Charges for this work.As per Government Of Maharashtra Revenue and Forest Departments Gazette No. 146 Dt. 04 June 2021, States that the Royalty Charges of Rs.600/- Per Brass (i.e. Rs.211.95/Cu.M.) are to be considered. The surcharge levied on Royalty shall also be payable to the contractor.	277.25	Nos	216.18	59936.69
30	Carrying out Tests for <b>CEMENT</b> , Standard Consistency Fineness, Specific Gravity, Setting Time (Initial & Final), Compressive Strength, Soundness including all leads amd Stacking etc Completed	1.00	Nos	3770.00	3770.00
31	Carrying out Tests for <b>AGGREGATES</b> , Water Absorption, Specific Gravity, Impact Value /Crushing Value of Aggregates including all leads amd Stacking etc Completed	1.00	Nos	2600.00	2600.00
32	Carrying out Tests for <b>BRICKS</b> , Water Absorption (Set of 5 Bricks), Compressive Strength( Set of 5 Bricks), Efflorescence (Set of 5 Bricks) of Bricks including all leads amd Stacking etc Completed	1.00	Nos	2175.00	2175.00
33	Carrying out Tests for <b>CONCRETE</b> , Compressive Strength OF C.C. Cube(Set of 3 cubes) of Concrete including all leads amd Stacking etc Completed	1.00	Nos	690.00	690.00
<b>Total</b>					<b>3314031.15</b>
<b>SAY</b>					<b>Rs. 33.14 Lakhs</b>
					Chartered Engineer



  
**Er. Gaurav D. Dorik (B.E. Civil)**  
 Consulting Engineer  
 Shirpur, Tal. Shirpur  
 Dist-Dhule.  
 Reg.No.-TPD/RPD/143



7.0	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 steel 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) [SSR Item No.25.31, Page No.224]						
	Upto Ground Level	16	0.23	0.38	0.99	1.384	13.956
	Upto Plinth Level	16	0.23	0.38	1.00	1.398	
	Up above plinth Level	16	0.23	0.38	3.00	4.195	
	Upto Ground Level	16	0.23	0.38	0.99	1.384	
	Upto Plinth Level	16	0.23	0.38	1.00	1.398	
	Up above plinth Level	16	0.23	0.38	3.00	4.195	
8.0	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) [ SSR Item No.25.50, Page No.225]						
	Gr.I Outer Beams	16	3.300	0.230	0.380	4.615	5.343
	Lintel Beams	8	3.300	0.230	0.120	0.729	
							Cum
9.0	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 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, Page No. 230 ]						
	Chajja	8	1.800	0.380	0.100	0.547	0.727
		1	3.000	0.600	0.100	0.180	
							Cum
10.0	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, 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 , Page No.236 ]						
	Qty of Footing	1	7.05	1.00	87.00	613.25	2553.31
	Qty of Column	1	13.96	1.00	98.00	1367.69	Kg
	Qty of Beam	1	5.34	1.00	98.00	523.65	2.553
	Qty of Chajja	1	0.73	1.00	67.00	48.72	
							MT
11.0	Providing and fixing in position HCRM / CRS (Corrosion Resistant Steel) bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels, 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.26.34, Page No.306 ]						
	10% Qty of Total Steel						0.26

12.0	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 water manually, striking joints, raking out joints and watering etc Complete. SSR I.NO. 27.03 @ 7116.00 Per Cum						
	For Steps block two sides	1	3.300	2.000	0.300	1.980	7.823
		1	3.300	1.500	0.150	0.743	
	Gr.I Outer Beams	16	3.300	0.230	0.420	5.100	
							Cum
13.0	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 Item No.27.05, Page No.246 ]						
	Gr.I Outer Beams	16	3.300	0.230	3.000	36.432	36.432
	Deduction ( Shutters)	1	3.000	0.230	3.000	2.070	4.968
	Windows W1	7	1.500	0.230	1.200	2.898	31.464
							Cum
14.0	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 centre- to-centre. 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 um Zinc-Tin alloy coated, Hex head, self-drilling screw etc. complete. (Weight of profile 4.52 Kilogram/Square Metre) [SSR Item No. 38.34, Page no.291]						
	For Roofing	1	10.800	17.880		193.104	418.824
	L/s & R/s Wall	2	10.800	3.000		64.800	
	Front & Rear Wall	2	17.880	3.000		107.280	
	For Gable End(1/2xBxH)	2	0.500	17.880	3.000	53.640	
							Sqm
15.0	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, Page No.256]						
	shed L/W	2	10.340		3.000	62.040	178.320
	shed C/W	2	17.880		3.000	107.280	
	Deduction ( Shutters)	1	3.000		3.000	9.000	21.600
	Windows W1	7	1.500		1.200	12.600	156.720
							Sqm
16.0	Providing internal cement plaster 20mm thick in two coats in cement mortar 1:4 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. Complete. [SSR Item No.32.07, Page No.256]						
	shed L/W	2	10.800		4.200	90.720	260.757
	shed C/W	2	17.880		4.200	150.192	
	Column offset	12	0.300		4.200	15.120	Sqm
	Chajja	7	1.500		0.450	4.725	
							Sqm
17.0	Providing and laying Rough Shahabad Stone Flooring 50mm to 60mm thick and of required width in plain/ diamond pattern on a bed of 1:6 C.M. including cement float, striking joints, pointing in cement mortar 1:3 curing and cleaning etc. etc. complete. [SSR Item No.33.03, Page No.261]						
	Inside of Godown	0	0.000	0.000		0.000	0.000
							Sqm
18.0	Providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates etc. as per detailed designs and drawings or as directed including cutting, fabricating, hoisting, erecting fixing in position, Making riveted/ bolted/ welded connection and one coat of anticorrosive paint and over it 2 coats of oil painting approved quality and shade etc. complete. [SSR Item No.23.04, Page No.214]						

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PEB Building Godown 24.46 x 17.42 = 426.09 x 60Kg/Sqm = 25565.59 Kg							11.580
							MT
19.0	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, Page No.329]						
	W1	7	1.500		1.200	12.600	12.600
							Sqm
20.0	Providing and applying plastic emulsion paint of approved quality, colour and shade to old and new surfaces in two coats including scaffolding, preparing the surface. (excluding the primer coat)etc. complete. [SSR Item No.36.12, Page No.285]						
	Qty Same as Itwm No.15						156.720
							Sqm
21.0	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,Page No.281]						
	Qty Same as Item No.16						260.757
							Sqm
22.0	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 Item No.39.24, Page No.311]						
	Rs1	1	3.000		3.000	9.000	9.000
							Sqm
23.0	Providing and fixing screw down 15 mm dia. wheeled stop tap of brass including necessary sockets/union nut complete [SSR Item No.41.43, Page No.337 ]						
		2					2.000
							No.
24.0	Providing and fixing in position (as per 1868 / 1982) Aluminium sliding window of three tracks with rectangular pipe 95 x 38.10 x 0.90 mm at weight 0.637 kg/Rmt. with window frame bottom track section 92 x 31.75 x 1.30 mm at weight 1.070 kg/Rmt. Top and side track section 92 x 31.75 x 1.30 mm at weight 0.933 kg/Rmt. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 kg/Rmt. and handle and top section 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. As per detailed drawings and as directed by Engineerincharge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5 mm thick plain glass and aluminium mosquito net shutter with stainless steel jail with all required screws and nuts etc, complete. With colour Anodising without box [SSR Item No.39.42, Page No.316]						
	W1	7	1.500		1.200	12.600	12.600
							Sqm
25.0	Providing and fixing on walls/ceiling/floor 20 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. [SSR Item No.42.56, Page No.351]						
	For inlet of Roof Tank						30.000
		1	30.000				Rgm
26.0	Providing and fixing H.D.P container Syntex or alike one piece moulded water tank made out of high density polythylar and built corrugated inclusive of delivery up to destination hoisting and fixing of accessories such as inlet,outlet overflow pipe inclusive of all tanks capacity between 200 to 1000 liters [ SSR Item No.42.53, Page No.350]						
	Water Tank						5000.000
		5	1000.000				Lit

27.0	Turbo Ventilator 24" : Providing and fixing wind operated turbo ventilator system of various sizes over the existing roof including cutting CGI sheet, proper fixing in position to true line and level with all fixtures and fastenings includign etc. complete. [SSR I.No. 42 on P.No. 374]	5					8.000
							No.
28.0	Qty. of Material Utilised for Royalty for Sand as per statement attached.						
29.0	Qty. of Material Utilised for Royalty for Metal & Murum as per statement attached.						
30.0	<b>BASIC TEST OF CEMENT</b> Standard consistancy Fineness specific Gravity setting Time (Intial & Final) Compressive strength Soundness	1					1.000
							No.
31.0	<b>BASIC TEST OF AGGREGATE</b> Water absorption, specific gravity impact value crushing value	1					1.000
							No.
32.0	<b>BRICKS</b> Water Absorption (set of 5 Bricks) compressieve strength set of 4 Brick ( Efflorescence	1					1.000
							No.
33.0	<b>CONCRETE</b> Compressive strength of C.C. Cube (Set of 3 Cubes)	1					1.000
							No.

Chartered Engineer



*Gaurav D. Dorik*  
**Er. Gaurav D. Dorik (B.E. Civil)**  
 Consulting Engineer  
 Shirpur, Tal. Shirpur  
 Dist-Dhule.  
 Reg.No-TPD/RPD/143

Name of work :- Construction of Working shed Unit of Cleaning / Grading/Packing For "Gorakshanath Producer Company Limited" At - Waghari Post- Tehu in Gat No. 47/2 , Tal-Parola , Dist- Jalgaon Under

मा.बाळासाहेब ठाकरे कृषी व्यवसाय आणि ग्रामीण परिवर्तन (स्मार्ट) योजनाजागतिक बँक सहायत उपक्रम

S.No	MATERIAL	KM.	LEAD	INITIAL	NET
(1)	CEMENT	5.00	148.81	0.00	148.81
(2)	SAND	16.00	368.88	0.00	368.88
(3)	CR METAL	15.00	355.50	0.00	355.50
(4)	40MM METAL CB	15.00	340.69	0.00	340.69
(5)	BRICKS	10.00	479.26	0.00	479.26
(6)	SOLING/RUBBLE	15.00	434.92	0.00	434.92
(7)	STEEL	5.00	148.81	0.00	148.81
(8)	HARD MURUM	3.00	192.42	0.00	192.42

**RATE ANALYSIS [SSR OF 2021-2022]**

I.No	DESCRIPTION OF ITEM	QTY.	NET LEAD	RATE/UNIT
<b>ITEM NO. 1 :-</b>				
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			
	SSR OF 2021-2022 ITEM NO. 21.02			<b>193.00</b>
				<b>193.00</b> Per Cu.M.
<b>ITEM NO. 2 :-</b>				
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,			
	SSR OF 2021-22 ITEM NO. 21.06			<b>241.00</b>
				<b>241.00</b> Per Cu.M.
<b>ITEM NO. 3 :-</b>				
3)	Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete. Bd.A. 12 Page No. 264			
	SSR OF 2021-22 ITEM NO. 21.38			<b>1294.00</b>
	ADD LEAD CHARGES FOR RUBBLE	1.20000	434.92	<b>521.90</b>
				<b>1815.90</b> Per Cu.M.
<b>ITEM NO.4 :-</b>				
4)	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer in-charge in layers of 15 cm to 20 cm including watering and compaction etc. complete.[SSR Item No.21.37, Page No.194]			
	795.00/Cum			

[SSR Item No.21.37, Page No.194]  
ADD LEAD CHARGES FOR HM

1.20000	192.42	<b>500.00</b>
		230.90

<b>TOTAL RATE Rs.</b>	<b>730.90</b>	Per Cu.M.
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- 5) 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) Bd. E. 1 Page No. 287 [NOTE:- WITHOUT/NON SCADA]

SSR OF 2021-22 ITEM NO. 24.01			<b>5538.00</b>
DEDUCT FOR NON SCADA	10%		-553.80
			<b>4984.20</b>
ADD LEAD CHARGES FOR CEMENT	0.220	148.81	32.74
ADD LEAD CHARGES FOR SAND	0.470	368.88	173.37
ADD LEAD CHARGES FOR CR METAL	0.200	355.50	71.10
ADD LEAD CHARGES FOR 40MM METAL CB	0.700	340.69	238.48

<b>TOTAL RATE Rs.</b>	<b>5499.89</b>	Per Cu.M.
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**ITEM NO. 6 :-**

- 6) 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, 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

SSR OF 2021-22 ITEM NO. 25.11			<b>6666.00</b>
DEDUCT FOR NON SCADA	10%		-666.60
			<b>5999.40</b>
ADD LEAD CHARGES FOR CEMENT	0.035	148.81	5.21
ADD LEAD CHARGES FOR SAND	0.425	368.88	156.77
ADD LEAD CHARGES FOR CR METAL	0.900	355.50	319.95

<b>TOTAL RATE Rs.</b>	<b>6481.33</b>	Per Cu.M.
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**ITEM NO. 7 :-**

7) 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 steel 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 [SSR OF 2021-22 ITEM NO. 25.31

12987.00

DEDUCT FOR NON SCADA	10%		-1298.70
			<u>11688.30</u>
ADD LEAD CHARGES FOR CEMENT	0.035	148.81	5.21
ADD LEAD CHARGES FOR SAND	0.425	368.88	156.77
ADD LEAD CHARGES FOR CR METAL	0.900	355.50	319.95

TOTAL RATE Rs. 12170.23 Per Cu.M.

ITEM NO. 8 :-

8) 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 [SSR OF 2021-22 ITEM NO. 25.50

11483.00

DEDUCT FOR NON SCADA	10%		-1148.30
			<u>10334.70</u>
ADD LEAD CHARGES FOR CEMENT	0.035	148.81	5.21
ADD LEAD CHARGES FOR SAND	0.425	368.88	156.77
ADD LEAD CHARGES FOR CR METAL	0.900	355.50	319.95

TOTAL RATE Rs. 10816.63 Per Cu.M.

ITEM NO. 9 :-

9) 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 steel centring, 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 microprocessor based PLC with [SSR Item No.26.05, Page No. 230 ]

13111.00

DEDUCT FOR NON SCADA	10%		-1311.10
			<u>11799.90</u>
ADD LEAD CHARGES FOR CEMENT	0.035	148.81	5.21

ADD LEAD CHARGES FOR SAND	0.425	368.88	156.77
ADD LEAD CHARGES FOR CR METAL	0.900	355.50	319.95

**TOTAL RATE Rs. 12281.83 Per Cu.M.**

**ITEM NO. 10 :-**

- 10) 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 as required complete. Bd.F.17, Page No. 306

SSR OF 2021-22 ITEM NO. 26.33			<b>71778.00</b>
ADD LEAD CHARGES FOR STEEL	1.00	148.81	148.81

**TOTAL RATE Rs. 71926.81 Per M.T.**

**ITEM NO. 11 :-**

- 11) Providing and fixing in position HCRM / CRS (Corrosion Resistant Steel) 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 [SSR Item No.26.34, Page No.306]

**83326.00**

**TOTAL RATE Rs. 83326.00 Per M.T.**

**ITEM NO. 12 :-**

- 12) 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 water manually, striking joints, raking out joints and watering etc Complete. SSR I.NO. [SSR Item No.27.03, Page No.314]

**7116.00**

ADD LEAD CHARGES FOR CEMENT	0.07900	148.81	11.76
ADD LEAD CHARGES FOR SAND	0.32000	368.88	118.04
ADD LEAD CHARGES FOR BRICKS	0.47500	479.26	227.65

**TOTAL RATE Rs. 7473.45 Per Cu.M.**

**ITEM NO. 13 :-**

- 13) 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 Item No.27.05, Page No.246 ]

**7570.00**

ADD LEAD CHARGES FOR CEMENT	0.07900	148.81	11.76
ADD LEAD CHARGES FOR SAND	0.32000	368.88	118.04
ADD LEAD CHARGES FOR BRICKS	0.47500	479.26	227.65

**TOTAL RATE Rs. 7927.45 Per Cu.M.**

14) **ITEM NO. 14 :-**  
 Providing and fixing colour coated Zincalume ( 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- [SSR Item No. 38.34, Page no.291]

	<b>1095.00</b>	
<b>TOTAL RATE Rs.</b>	<b>1095.00</b>	Per Sq.m

15) **ITEM NO. 15 :-**  
 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, Page No.256]

[SSR Item No. 32.04, Page no.256]

			<b>264.00</b>
ADD LEAD CHARGES FOR CEMENT	0.01200	148.81	1.79
ADD LEAD CHARGES FOR SAND	0.01500	368.88	5.53

<b>TOTAL RATE Rs.</b>	<b>271.32</b>	Per Sq.M.
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16) **ITEM NO. 16 :-**  
 Providing internal cement plaster 20mm thick in two coats in cement mortar 1:4 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. Complete. [SSR Item No.32.07, Page No.256]

[SSR Item No.32.07, Page No.256]

			<b>366.00</b>
ADD LEAD CHARGES FOR CEMENT	0.01200	148.81	1.79
ADD LEAD CHARGES FOR SAND	0.02500	368.88	9.22

<b>TOTAL RATE Rs.</b>	<b>377.01</b>	Per Sq.M.
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17) **ITEM NO. 17 :-**  
 Providing and laying Rough Shahabad Stone Flooring 50mm to 60mm thick and of required width in plain/ diamond pattern on a bed of 1:6 C.M. including cement float, striking joints, pointing in cement mortar 1:3 curing and cleaning etc. etc. complete. [SSR Item No.33.03, Page No.261]

[SSR Item No.33.03, Page No.261]

			<b>846.00</b>
<b>TOTAL RATE Rs.</b>			<b>846.00</b>

18) **ITEM NO. 18 :-**  
 Providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates etc. as per detailed designs and drawings or as directed including cutting, fabricating, hoisting, erecting fixing in position, Making riveted/ bolted/ welded connection and one coat of [SSR Item No.23.04, Page No.214]

			<b>105909.00</b>
<b>TOTAL RATE Rs.</b>			<b>105909.00</b>

**ITEM NO. 19 :-**

19) 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, Page No.329]

[SSR Item No.40.01, Page No.329]

	<b>1845.00</b>	
<b>TOTAL RATE Rs.</b>	<b>1845.00</b>	Per Sq.m

**ITEM NO. 20 :-**

20) Providing and applying plastic emulsion paint of approved quality, colour and shade to old and new surfaces in two coats including scaffolding, preparing the surface. (excluding the primer coat)etc. complete. [SSR Item No.36.12, Page No.285]

[SSR Item No.36.12, Page No.285]

	<b>70.00</b>	
<b>TOTAL RATE Rs.</b>	<b>70.00</b>	Per Sq.m

**ITEM NO. 21 :-**

21) 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 [SSR Item No.35.13,Page No.281]

[SSR Item No.35.13,Page No.281]

	<b>74.00</b>	
<b>TOTAL RATE Rs.</b>	<b>74.00</b>	Per Sq.m

**ITEM NO. 22 :-**

22) 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 [SSR Item No.39.24, Page No.311]

[SSR Item No.39.24, Page No.311]

	<b>4310.00</b>	
<b>TOTAL RATE Rs.</b>	<b>4310.00</b>	Per Sq.m

**ITEM NO. 23 :-**

23) Providing and fixing screw down 15 mm dia. wheeled stop tap of brass including necessary sockets/union nut complete [SSR Item No.41.43, Page No.337 ]

[SSR Item No.41.43, Page No.337 ]

	<b>468.00</b>	
<b>TOTAL RATE Rs.</b>	<b>468.00</b>	Nos

**ITEM NO. 24 :-**

24) Providing and fixing in position (as per 1868 / 1982) Aluminium sliding window of three tracks with rectangular pipe 95 x 38.10 x 0.90 mm at weight 0.637 kg/Rmt. with window frame bottom track section 92 x 31.75 x 1.30 mm at weight 1.070 kg/Rmt. Top and side track section 92 x 31.75 x 1.30 mm at weight 0.933 kg/Rmt. The shutter should be of [SSR Item No.39.42, Page No.316]

[SSR Item No.39.42, Page No.316]

	<b>5471.00</b>	
<b>TOTAL RATE Rs.</b>	<b>5471.00</b>	Per Sq.m

**ITEM NO. 25 :-**

- 25) Providing and fixing on walls/ceiling/floor 20 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.

[SSR Item No.42.56, Page No.351]

	285.00	
<b>TOTAL RATE Rs.</b>	<b>285.00</b>	Per Rgm

**ITEM NO. 26 :-**

- 26) Providing and fixing H.D.P container Syntex or alike one piece moulded water tank made out of high density polythylar and built corrugated inclusive of delivery up to destination hoisting and fixing of accessories such as inlet,outlet overflow pipe inclusive of all tanks capacity between 200 to 1000 liters

[ SSR Item No.42.53, Page No.350]

	13.00	
<b>TOTAL RATE Rs.</b>	<b>13.00</b>	Per lit

**ITEM NO. 27 :-**

- 27) Turbo Ventilator 24" : Providing and fixing wind operated turbo ventilator system of various sizes over the existing roof including

[SSR I.No. 42 on P.No. 374]

	8680.00	
<b>TOTAL RATE Rs.</b>	<b>8680.00</b>	Nos

Chartered Engineer



**MATERIAL COMPONENT**

Item No.	Description	Total Qty.	Unit	Cement		Metal 40mm and Above		Metal 40mm and Below		Sand		Steel		Bricks		SM / HM	
				Const. Val	Qty	Const. Val	Quantity	Const. Val	Qty	Const. Val	Qty	Const. t. Val	Qty	Const. t. Val	Qty	Const. t. Val	Qty
3.0	Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand-packing and compacting etc. complete. (SSR Item No.21.38, Page No.194)	32.42	Cum			1.20	38.90										
4.0	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer in-charge in layers of 15 cm to 20 cm including watering and compaction etc. complete. [SSR Item No.21.37, Page No.194] 795.00/Cum	162.11	Cum													1.20	194.53
5.0	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	21.61	Cum	0.22	4.75			0.90	19.45	0.470	10.16						
6.0	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	7.05	Cum	0.035	0.25			0.90	6.34	0.425	3.00						
					0.00												





Name of work :- Construction of Working shed Unit of Cleaning / Grading/Packing  
For "Gorakshanath Producer Company Limited" At - Waghari Post- Tehu in Gat No.  
47/2 , Tal-Parola , Dist- Jalgaon Under

मा.बाळासाहेब ठाकरे कृषी व्यवसाय आणि ग्रामीण परिवर्तन (स्मार्ट) योजनाजागतिक बँक सहायत उपक्रम

**QUARRY CHART**

**LEAD CHART [PWD SSR OF 2021-2022]**

S.No	MATERIAL	KM.	LEAD	INITIAL	NET	REMARK
1)	CEMENT	5.0	148.81	0.00	148.81	
2)	SAND	16.0	368.88	0.00	368.88	
3)	CR METAL	15.0	355.50	0.00	355.50	
4)	40MM METAL CB	15.0	340.69	0.00	340.69	
5)	BRICKS	10.0	479.26	0.00	479.26	
6)	SOLING/RUBBLE	15.0	434.92	0.00	434.92	
7)	STEEL	5.0	148.81	0.00	148.81	
8)	HARD MURUM	3.0	192.42	0.00	192.42	
	0					

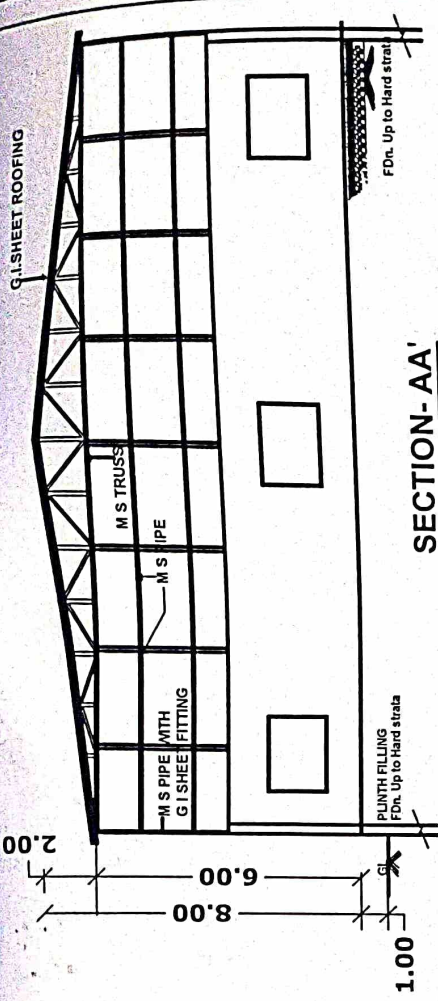
**CERTIFICATE**

Certified that I have visited the quarry sites & distance shown as lead is corrects & sufficient quantity will be available from quarry.

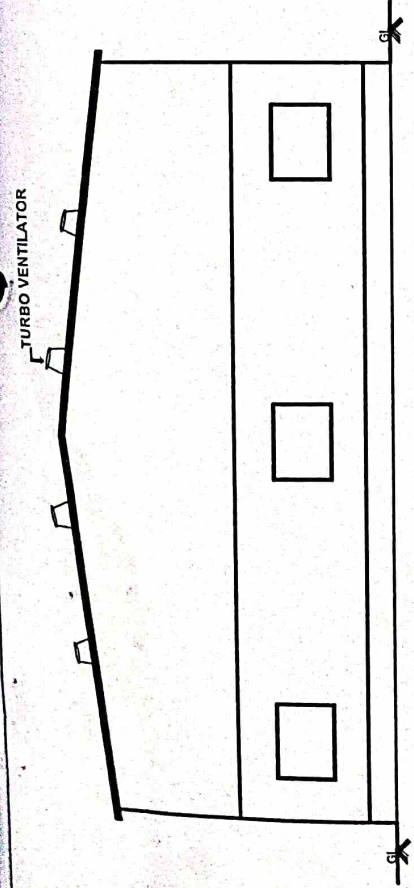
Chartered Engineer



*Gaurav Dorik*  
**Er. Gaurav D. Dorik (B.E. Civil)**  
 Consulting Engineer  
 Shirpur, Tal. Shirpur  
 Dist- Dhule.  
 Reg. No- TPD/RPD/143



**SECTION-AA'**  
(SCALE-1:200)



**SIDE ELEVATION**  
(SCALE-1:200)

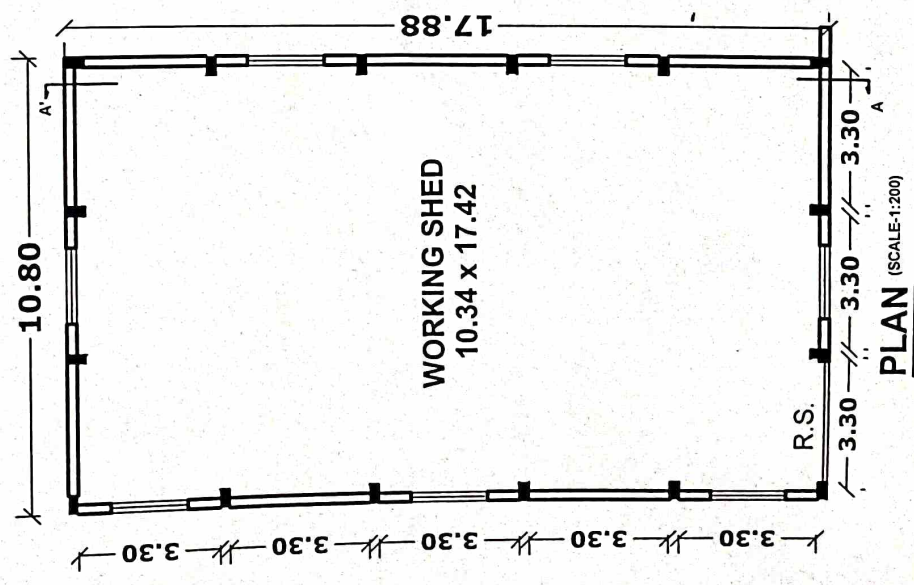


*Gaurav*  
**Er. Gaurav D. Dorik (B.E. Civil)**  
 Consulting Engineer  
 Shirpur, Tal. Shirpur  
 Dist-Dhule.  
 Reg.No-TPD/RPD/1113

**AREA STATEMENT**

**10.80 X 17.88 = 193.10 SQ.M**  
**TOTAL BUILT UP AREA = 193.10 SQ.M**  
**TOTAL BUILT UP AREA = 2078.00 SQ.FT**

**PROPOSED CONSTRUCTION PLAN OF WORKING SHED  
 CLEANING, GRADING & PACKING UNIT FOR  
 GORAKSHNATH FARMERS PRODUCER COMPANY LTD.  
 G.NO-47/2 AT-WAGHARI POST-TEHU, TAL-PAROLA,  
 DIST- JALGAON**



**PLAN**  
(SCALE-1:200)