

## ESTIMATE OF SHED & ROAD

President: Kamini Atul Wazarkar

ESTIMATE FOR THE YEAR 2022-2023

Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन  
(स्मार्ट) प्रकल्प  
जागतिक बँक सहयित उपक्रम

Name of work :- Construction of Shed and Road of Grain Cleaning and Grading Plant For "Bijankur Hi-Tech Producer Company Limited at Village Pachanwadgaon in Gat No. 392, Tq. Jalna, Dist. Jalna Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प जागतिक बँक सहयित उपक्रम

Estimated Cost Rs. 99,99,900.00

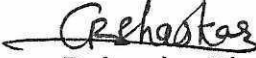
## Certificate

Name of work :- Construction of Shed and Road of Grain Cleaning and Grading Plant  
For "Bijankur Hi-Tech Producer Company Limited at Village Pachanwadgaon in Gat  
No. 392, Tq. Jalna, Dist. Jalna Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन  
(स्मार्ट) प्रकल्प  
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### This is to Certify that

1. The Above said works is proposed under Above Mentioned Programme
2. Also Certificate that the Companiee's land will be made available for the above said work, supporting documents are attached here with
3. Also certified that that after completion of the above said work, it will be handed to Company
4. Also Certified that after completion of the above said work the maintenannce of work further handing over will be carried out by Company
5. Also certified that the above said work is not including in any other programme nor sanctioned in any other programme

Hence Certified

  
Gaurav Rajendra Bhaskar  
B.E.(Civil) A.M.I.E.  
Chartered Engineer  
AM3023322

Name of work :- Construction of Shed and Road of Grain Cleaning and Grading Plant  
For "Bijankur Hi-Tech Producer Company Limited at Village Pachanwadgaon in Gat  
No. 392, Tq. Jalna, Dist. Jalna Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण  
परिवर्तन (स्मार्ट) प्रकल्प  
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**Certificate for DSR of work**

This is to certify that the above said work is proposed to be sanctioned under above mentioned programme. The estimate is prepared as per Current Maharashtra Public Works Department State Schedule of Rates for the year 2022-2023. The work will be carried out as per standard Specifications in pink book and as directed by Engineer in charge.

*G. Rajendra Bhaskar*  
Gaurāv Rajendra Bhaskar  
B.E.(Civil) A.M.I.E.  
Chartered Engineer  
AM3023322

Name of work :- Construction of Shed and Road of Grain Cleaning and Grading Plant For  
 "Bijankur Hi-Tech Producer Company Limited at Village Pachanwadgaon in Gat No. 392, Tq.  
 Jalna, Dist. Jalna Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प  
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**RECAPULATION SHEET**

SR No	Items	Amount with Royalty & Lab Testing Charges	Amount without Royalty
1	2	3	4
1	Cost of Shade	7153478.00	6920952.00
2	Add 1% Labour Insurance on 6920952.00	69210.00	
3	Add 3% Electrification on 6920952.00	207628.00	
A	Total Rs (1+2+3)	7430316.00	
4	Add 18% GST on 7430316.00	1337457.00	
B	Total Cost of Shade with GST (A+4)	8767773.00	
5	Cost of Road	1034574.00	960050.00
6	Add 1% Labour Insurance on 960050.00	9601.00	
P	Total Rs (5+6)	1044175.00	
7	Add 18% GST on 1044175.00	187952.00	
Q	Total Cost of Road with GST (P+7)	1232127.00	
	GRAND TOTAL (B+Q)	9999900.00	

*G. Rajendra Bhaskar*  
**Gaurav Rajendra Bhaskar**  
 B.E.(Civil) A.M.I.E.  
 Chartered Engineer  
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"Bijankur Hi-Tech Producer Company Limited at Village Pachanwadgaon in Gat No. 392,  
Tq. Jalna, Dist. Jalna Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प  
जागतिक बँक सहयित उपक्रम**

**Abstract Sheet**

It No	Item of work.	Qty	Unit	Rate	Amount
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 I.NO. 21.02 @ 207.00 Per Cum	108.00	Cum	207.00	22356.00
2	Excavation for foundation in earth, soils of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift from 1.5m to 3.0m) By Mechanical Means. SSR I.NO. 21.04 @ 258.00 Per Cum	94.50	Cum	258.00	24381.00
3	Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete. SSR I.NO. 21.38 @ 1382.00 Per Cum	86.36	Cum	1812.16	156498.00
4	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 I.NO. 21.37 @ 599.00 Per Cum	643.55	Cum	802.32	516333.00
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 (Crushed sand VSI Grade). SSR I.NO. 24.01 @ 5830.00 Per Cum	44.16	Cum	6314.26	278838.00

It No	Item of work.	Qty	Unit	Rate	Amount
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 automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade). SSR I.NO. 25.11 @ 7104.00 Per Cum	18.50	Cum	7585.71	140336.00
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 SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade). SSR I.NO. 25.31 @ 13783.00 Per Cum	23.35	Cum	14264.71	333081.00
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 SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade). SSR I.NO. 25.5 @ 12269.00 Per Cum	19.94	Cum	12750.71	254249.00
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 centering, formwork, cover blocks, laying/pumping, compacting and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade). SSR I.NO. 26.05 @ 13932.00 Per Cum	8.24	Cum	14413.71	118697.00

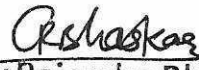
It No	Item of work.	Qty	Unit	Rate	Amount
10	Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete. SSR I.NO. 26.33 @ 89703.00 Per Mt	5.04	MT	89938.34	453352.00
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 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 I.NO. 26.34 @ 94136.00 Per Mt	0.56	MT	94371.34	52855.00
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. 27.03 @ 7514.00 Per Cum	35.94	Cum	7992.84	287263.00
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 I.NO. 27.05 @ 7994.00 Per Cum	44.19	Cum	8472.84	374415.00
14	Providing and fixing colour coated Zinalume ( R ) AZ150 ( min 150 gms/sq.mt. total on each side ) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45 mm Base Metal Thickness ( BMT ) (0.5 mm TCT ), Hi-strength steel with min.550 MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55% aluminium 43.4% zinc 1.6% silicon) with COLORBOND ( R ) steel quality super durable polyester paint coat ( with inorganic pigment). The paint shall have a total coating thickness of nominal 35 um, comprising of nominal 25 um exterior coat on top surface and nominal 10 um reverse coat on back surface. Profile sheet shall have nom. 950- 1050 mm effective cover width and nominal 25-30 mm deep ribs with subtle square fluting in the five pan at nominal 180-250 mm center- to-center. The end rib shall be designed for anti-capillary groove, and return leg. The feed material should have coil manufacturers product details marked a regular interval. Including fasteners with min. fastened with min. 25 um Zinc-Tin alloy coated, Hex head, self-drilling screw etc. complete. (weight of profile 4.52 Kilogram/ One Square Metre). SSR I.NO. 38.34 @ 1173.00 Per Sqm	929.46	Sqm	1173.00	1090257.00

It No	Item of work.	Qty	Unit	Rate	Amount
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 I.NO. 32.04 @ 278.00 Per Sqm	253.17	Sqm	283.99	71898.00
16	Providing internal cement plaster 20mm thick in Single coats in cement mortar 1:4 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc.complete. SSR I.NO. 32.07 @ 382.00 Per Sqm	488.31	Sqm	391.83	191335.00
17	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 I.NO. 23.04 @ 119459.00 Per Mt	15.82	Sqm	119459.00	1889364.00
18	Providing and fixing mild steel grill work for windows, ventilators etc. 20 Kilogram/ One Square Metre as per drawing including fixtures, necessary welding and painting with one coats of anticorrosive paint and two coats of oil painting complete. SSR I.NO. 40.01 @ 2097.00 Per Sqm	47.25	Sqm	2097.00	99083.00
19	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 I.NO. 36.12 @ 80.00 Per Sqm	253.17	Sqm	80.00	20254.00
20	Providing and applying two coats of textured synthetic paint of approved shade and quality and one coat of primer before applying textured paint including scaffolding if necessary preparing surface by thoroughly cleaning oil, grease, dirt and other materials as required, etc. complete. SSR I.NO. 35.24 @ 163.00 pER sQM	488.31	Sqm	163.00	79595.00
21	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm minimum size and shape with square bar, suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high 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 @ 4829.00 Per Sqm	18.66	Sqm	4829.00	90109.00
22	Providing and fixing screw down 15 mm dia. wheeled stop tap of brass including necessary sockets/union nut complete. SSR I.NO. 41.43 @ 516.00 Per No	3.00	No	516.00	1548.00

It No	Item of work.	Qty	Unit	Rate	Amount
23	Providing and fixing in position (as per 1868 / 1982) Alluminium sliding window of three tracks with rectangular pipe 95 x 38.10 x 0.90 mm at weight 0.637 Kilogram/One Running Metre. with window frame bottom track section 92 x 31.75 x 1.30 mm at weight 1.070 Kilogram/One Running Metre.. Top and side track section 92	37.80	Sqm	5502.00	207976.00
24	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 I.NO. 42.56 @ 310.00 Per Rmt	30.00	Rgm	310.00	9300.00
25	Providing and fixing H.D.P container one piece moulded water tank made out of high density polythyler 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 I.NO. 42.53 @ 14.00 Per Lit	5000.00	Ltr	14.00	70000.00
26	Turbo Ventilator 24": Providing and fixing wind operated tubo ventilator system of various sizes over the existing roof including cutting CGI sheets, proper fixing in position to true line and level with all fixtures and fastenings including etc. complete. SSR I.No. 42 on P.No. 529 @ 9702.00 Per No	8.00	No	9702.00	77616.00
27	Providing and fixing board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period etc', having rectangular shape of 1.20m x 0.90m size made out 18 gauge (1.25mm) thick mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S.angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc.and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete. Spec. No. As directed by Engineer in Charge. SSR I.NO. 6.36 @ 9963.00 Per No	1.00	No	9963.00	9963.00

		Cost of Work	Rs	6920952.00	
<b>Royalty Charges</b>					
28	Qty of Material utilised for Royalty For Sand as per statement attached	92.16	Cum	237.37	21877.00
29	Qty of Material utilised for Royalty For Without Sand as per statement attached	760.82	Cum	216.18	164474.00
<b>Total Royalty Charges</b>			<b>Rs</b>	<b>186351.00</b>	

It No	Item of work.	Qty	Unit	Rate	Amount
<b>Lab Testing Charges</b>					
30	<b>BASIC TEST OF CEMENT:</b> Standard Consistency, Fineness, Specific Gravity, Setting Time ( Initial & Final ), Compressive Strength, Soundness. SSR I.NO. 1 P.NO 426 @ 3770.00 Per Test	5.00	Test	3770.00	18850.00
31	<b>BASIC TEST OF AGGREGATE:</b> Water Absorption, Specific Gravity, Impact Value, Crushing Value. SSR I.NO. 2 P.NO 426 @ 2600.00 Per Test	5.00	Test	2600.00	13000.00
32	<b>BRICKS:</b> Water Absorption (Set of 5 Bricks), Compressive Strength( Set of 5 Bricks), Efflorescence (Set of 5 Bricks).SSR I.NO. 13 P.NO 426 @ 2175.00 Per Test	5.00	Test	2175.00	10875.00
33	<b>CONCRETE:</b> Compressive Strength OF C.C. Cube (Set of 3 cubes)..SSR I.NO. 19 P.NO 426 @ 690.00 Per Test	5.00	Test	690.00	3450.00
<b>Total Lab Testing Charges</b>				<b>Rs</b>	<b>46175.00</b>
<b>Grand Total</b>				<b>Rs</b>	<b>7153478.00</b>

  
**Gaurav Rajendra Bhaskar**  
**B.E.(Civil) A.M.I.E.**  
**Chartered Engineer**  
**AM3023322**

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 "Bijankur Hi-Tech Producer Company Limited at Village Pachanwadgaon in Gat No. 392, Tq.  
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 जागतिक बँक सहयित उपक्रम

### Measurement Sheet

It No	Item of work.	No	Length	Breadth	Depth	Qty	Unit
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 I.NO. 21.02 @ 207.00 Per Cum						
	Gr I Outer Beams	20	3.11	0.30	0.30	5.60	
	Gr II Outer Beams	4	3.42	0.30	0.30	1.23	
	Gr III Outer Beams	4	3.53	0.30	0.30	1.27	
	C1 to C34	28	1.50	1.50	1.50	94.50	
	Steps	2	3.00	2.00	0.45	5.40	
<b>Total Quantity</b>						<b>108.00</b>	<b>Cum</b>
2	Excavation for foundation in earth, soils of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift from 1.5m to 3.0m) By Mechanical Means. SSR I.NO. 21.04 @ 258.00 Per Cum						
	C1 to C34	28	1.50	1.50	1.50	94.50	
<b>Total Quantity</b>						<b>94.50</b>	<b>Cum</b>
3	Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete. SSR I.NO. 21.38 @ 1382.00 Per Cum						
	Column	28	1.50	1.50	0.15	9.45	
	Shade	1	33.12	15.24	0.15	75.71	
	Steps	2	3.00	2.00	0.10	1.20	
<b>Total Quantity</b>						<b>86.36</b>	<b>Cum</b>
4	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 I.NO. 21.37 @ 599.00 Per Cum						
	For Filling Murum	1	33.12	15.24	1.28	643.55	
<b>Total Quantity</b>						<b>643.55</b>	<b>Cum</b>
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 (Crushed sand VSI Grade). SSR I.NO. 24.01 @ 5830.00 Per Cum						
	Column	28	1.50	1.50	0.10	6.30	
	Hall	1	33.12	15.24	0.075	37.86	
<b>Total Quantity</b>						<b>44.16</b>	<b>Cum</b>

It No	Item of work.	No	Length	Breadth	Depth	Qty	Unit
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 automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade). SSR I.NO. 25.11 @ 7104.00 Per Cum						
	C1 to C11 and C18 to C28	22	1.35	1.35	0.23	9.22	
	For Second Step Portion	22	1.05	1.05	0.23	5.31	
	C12 to C17	6	1.35	1.35	0.23	2.52	
	For Second Step Portion	6	1.05	1.05	0.23	1.45	
	<b>Total Quantity</b>					<b>18.50</b>	<b>Cum</b>
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 SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade). SSR I.NO. 25.31 @ 13783.00 Per Cum						
	Column Mark						
	C1 to C11 and C18 to C28						
	Up to Ground Level	22	0.23	0.53	2.29	6.14	
	Up to Plinth Level	22	0.23	0.53	1.50	4.02	
	Up Above Plinth	22	0.23	0.53	3.05	8.18	
	C12 to C17						
	Up to Ground Level	6	0.23	0.53	2.29	1.67	
	Up to Plinth Level	6	0.23	0.53	1.50	1.10	
	Up Above Plinth	6	0.23	0.53	3.05	2.23	
	<b>Total Quantity</b>					<b>23.35</b>	<b>Cum</b>
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, compactionand roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade). SSR I.NO. 25.5 @ 12269.00 Per Cum						
	Plinth Beam						
	Gr I Outer Beams	20	3.11	0.23	0.38	5.44	
	Gr II Outer Beams	4	3.42	0.23	0.38	1.20	
	Gr III Outer Beams	4	3.53	0.23	0.38	1.23	
	Gr II Inner Beams (Tie Beam)	7	15.24	0.23	0.38	9.32	
	Lintel Beam						
	Above Window and Shutter	21	1.50	0.23	0.38	2.75	
	<b>Total Quantity</b>					<b>19.94</b>	<b>Cum</b>

It No	Item of work.	No	Length	Breadth	Depth	Qty	Unit
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- 9 Providing and laying Cast in situ/Ready Mixcement 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, laying/pumping, compacting and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade). SSR I.NO. 26.05 @ 13932.00 Per Cum

Plinth Level							
	Gr I Outer Beams	20	3.11	0.60	0.10	3.73	
	Gr II Outer Beams	4	3.42	0.60	0.10	0.82	
	Gr III Outer Beams	4	3.53	0.60	0.10	0.85	
Lintel Level							
	Above Window and Shutter	21	3.00	0.45	0.10	2.84	
						<b>Total Quantity</b>	<b>8.24 Cum</b>

- 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. SSR I.NO. 26.33 @ 89703.00 Per Mt

Qty Of Footing	18.50	70.00	1295.00	
Qty Of Column	23.35	90.00	2101.50	
Qty of Beam	19.94	85.77	1710.17	
Qty of chajja	8.24	60.00	494.10	
			<b>5600.77</b>	Kg
			5.60	
90% of total Qty			5.04	Mt
			<b>Total Quantity</b>	<b>5.04 Mt</b>

- 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 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 I.NO. 26.34 @ 94136.00 Per Mt

10% Qty of Total Steel	0.56	Mt
<b>Total Quantity</b>	<b>0.56</b>	<b>Mt</b>

- 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. 27.03 @ 7514.00 Per Cum

For step block for two sides	2	3.00	2.00	0.40	4.80
	2	3.00	1.75	0.15	1.58
	2	3.00	1.50	0.15	1.35
	2	3.00	1.25	0.15	1.13
	2	3.00	1.00	0.15	0.90
	2	3.00	0.75	0.15	0.68
	2	3.00	0.50	0.15	0.45
	2	3.00	0.25	0.15	0.23
Gr I Outer Beams	20	3.11	0.23	1.20	17.17
Gr II Outer Beams	4	3.42	0.23	1.20	3.78

It No	Item of work.	No	Length	Breadth	Depth	Qty	Unit
	Gr III Outer Beams	4	3.53	0.23	1.20	3.90	
						<b>Total Quantity</b>	<b>35.94 Cum</b>

- 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 I.NO. 27.05 @ 7994.00 Per Cum  
In superstructure

Gr I Outer Beams	20	3.11	0.23	3.00	42.92		
Gr II Outer Beams	4	3.42	0.23	3.00	9.44		
Gr III Outer Beams	4	3.53	0.23	3.00	9.74		
						<b>62.10</b>	
Deduction							
Shutter S	2	3.11	0.23	3.00	4.29		
Window W	21	1.50	0.23	1.50	10.87		
Deduct Lintel Beam Qty					2.75		
						<b>Total Qty.</b>	<b>17.91 Cum</b>
						<b>Total Quantity</b>	<b>44.19 Cum</b>

- 14 Providing and fixing colour coated Zinalume ( R ) AZ150 ( min 150 gms/sq.mt. total on each side ) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45 mm Base Metal Thickness ( BMT ) (0.5 mm TCT ), Hi-strength steel with min.550 MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55% aluminium 43.4% zinc 1.6% silicon) with COLORBOND ( R ) steel quality super durable polyester paint coat ( with inorganic pigment). The paint shall have a total coating thickness of nominal 35 um, comprising of nominal 25 um exterior coat on top surface and nominal 10 um reverse coat on back surface. Profile sheet shall have nom. 950- 1050 mm effective cover width and nominal 25-30 mm deep ribs with subtle square fluting in the five pan at nominal 180-250 mm center- to-center. The end rib shall be designed for anti-capillary groove. and return leg. The feed material should have coil manufacturers product details marked a regular interval. Including fasteners with min. fastened with min. 25 um Zinc-Tin alloy coated, Hex head, self-drilling screw etc. complete. (weight of profile 4.52 Kilogram/ One Square Metre). SSR I.NO. 38.34 @ 1173.00 Per Sqm

For Roofing	2	34.50	7.74	534.06			
L/S & R/S Wall	2	15.70	3.00	94.20			
Front & Rear Side Wall	2	34.50	3.00	207.00			
For Gable End (1/2 x B x H)	4	0.50	15.70	94.20			
						<b>Total Quantity</b>	<b>929.46 Sqm</b>

- 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 I.NO. 32.04 @ 278.00 Per Sqm

Hall L/W	2	37.94	3.00	227.64			
C/W	2	15.24	3.00	91.44			
						<b>Qty</b>	<b>319.08 Sqm</b>
Deduction							
Shutter S	2	3.11	3.00	18.66			
Window W	21	1.50	1.50	47.25			
						<b>Qty</b>	<b>65.91</b>
						<b>Total Quantity</b>	<b>253.17 Sqm</b>

It No	Item of work.	No	Length	Breadth	Depth	Qty	Unit
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- 16 Providing internal cement plaster 20mm thick in Single coats in cement mortar 1:4 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc.complete. SSR I.NO. 32.07 @ 382.00 Per Sqm

L/W	2	33.58	4.50		302.22	
C/W	2	15.70	4.50		141.30	
Column offset	40	0.30	4.50		54.00	
Chajja	21	3.00	0.45	2	56.70	
				Qty	<u>554.22</u>	Sqm

Deduction						
Shutter S	2	3.11		3.00	18.66	
Window W	21	1.50		1.50	47.25	
				Qty	<u>65.91</u>	

**Total Quantity 488.31 Sqm**

- 17 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 I.NO. 23.04 @ 119459.00 Per Mt

PEB Building Godown  
 $33.58 \times 15.70 = 527.20$  Sqm  
 Heavy Duty 30 kg Per Sqm  
 $527.20 \times 30 = 15816$  kG

**15.82 Mt**

**Total Quantity 15.82 Mt**

- 18 Providing and fixing mild steel grill work for windows, ventilators etc. 20 Kilogram/ One Square Metre as per drawing including fixtures, necessary welding and painting with one coats of anticorrosive paint and two coats of oil painting complete. SSR I.NO. 40.01 @ 2097.00 Per Sqm

W 21 1.50 1.50 47.25

**Total Quantity 47.25 Sqm**

- 19 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 I.NO. 36.12 @ 80.00 Per Sqm

**Qty. as per Item No.15 253.17 Sqm**

- 20 Providing and applying two coats of textured synthetic paint of approved shade and quality and one coat of primer before applying textured paint including scaffolding if necessary preparing surface by thoroughly cleaning oil, grease, dirt and other materials as required, etc. complete. SSR I.NO.

**Qty. as per Item No.16 488.31 Sqm**

It No	Item of work.	No	Length	Breadth	Depth	Qty	Unit
21	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm minimum size and shape with square bar, suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high 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 @ 4829.00 Per Sqm						
	For Front Entrance	2	3.11	3.00		18.66	
						<b>Total Quantity</b>	<b>18.66 Sqm</b>
22	Providing and fixing screw down 15 mm dia. wheeled stop tap of brass including necessary sockets/union nut complete. SSR I.NO. 41.43 @ 516.00 Per No						
						<b>Total Quantity</b>	<b>3.00 No</b>
23	Providing and fixing in position (as per 1868 / 1982) Alluminium sliding window of three tracks with rectangular pipe 95 x 38.10 x 0.90 mm at weight 0.637 Kilogram/One Running Metre. with window frame bottom track section 92 x 31.75 x 1.30 mm at weight 1.070 Kilogram/One Running Metre.. Top and side track section 92 x 31.75 x 1.30 mm at weight 0.933 Kilogram/Running metre. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 Kilogram/One Running Metre. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 Kilogram/Running metre. and handle and top section 40 x 18 x 1.25 mm at weight 0.417 Kilogram/Running metre. 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 with box.ssr i.no. 39.41 @ 5502						
		W 21	1.20		1.50	37.80	
						<b>Total Quantity</b>	<b>37.80 Sqm</b>
24	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 I.NO. 42.56 @ 310.00 Per Rmt						
	For Inlet to Roof Tank	1	30.00			30.0	
						<b>Total Quantity</b>	<b>30.00 Rgm</b>
25	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 liters. SSR I.NO. 42.53 @ 14.00 Per Lit						
	Water Tank	5	1000.00			5000.00	
						<b>Total Quantity</b>	<b>5000.00 liter</b>
26	Turbo Ventilator 24": Providing and fixing wind operated tubo ventilator system of various sizes over the existing roof including cutting CGI sheets, proper fixing in position to true line and level with all fixtures and fastenings incuding etc. complete. SSR I.No. 42 on P.No. 529 @ 9702.00 Per No						
		8				8.00	
						<b>Total Quantity</b>	<b>8.00 No</b>

It No	Item of work.	No	Length	Breadth	Depth	Qty	Unit
27	Providing and fixing board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period etc', having rectangular shape of 1.20m x 0.90m size made out 18 gauge (1.25mm) thick mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S.angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc.and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete. Spec. No. As directed by Engineer in Charge. SSR I.NO. 6.36 @ 9963.00 Per No	1				1.00	No

Total Quantity	1.00	No
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28 Qty of Material utilised for Royelty For Sand as per statement attached

Total Quantity	92.16	Cum
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29 Qty of Material utilised for Royelty For Without Sand as per statement attached

Total Quantity	760.82	Cum
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*Rajshankar*  
**Gaurav Rajendra Bhaskar**  
 B.E.(Civil) A.M.I.E.  
 Chartered Engineer  
 AM3023322

Name of work :- Construction of Shed and Road of Grain Cleaning and Grading Plant For  
 "Bijankur Hi-Tech Producer Company Limited at Village Pachanwadgaon in Gat No. 392, Tq.  
 Jalna, Dist. Jalna Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प  
 जागतिक बँक सहयित्त उपक्रम

### Rate Analysis

- 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 I.NO. 21.02 @ 207.00 Per Cum

Basic Rate as per SSR 2022-2023

207.00

**Total Rate 207.00 /Cum**

- 2 Excavation for foundation in earth, soils of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift from 1.5m to 3.0m) By Mechanical Means. SSR I.NO. 21.04 @ 258.00 Per Cum

Basic Rate as per SSR 2022-2023

258.00

**Total Rate 258.00 /Cum**

- 3 Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete. SSR I.NO. 21.38 @ 1382.00 Per Cum

Basic Rate as per SSR 2022-2023

1382.00

Add Lead charges for soling 1.00 383.18 383.18

Add Lead charges for sand 0.15 313.21 46.98

**Total Rate 1812.16 /Cum**

- 4 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 I.NO. 21.37 @ 599.00 Per Cum

Basic Rate as per SSR 2022-2023

599.00

Add Lead charges for Murum 1.00 203.32 203.32

**Total Rate 802.32 /Cum**

- 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 (Crushed sand VSI Grade). SSR I.NO. 24.01 @ 5830.00 Per Cum

Basic Rate as per SSR 2022-2023

5830.00

Add lead charges for 40 mm metal 0.70 300.16 210.11

Add lead charges for Crushed metal 0.24 313.21 75.17

Add Lead charges for sand 0.47 313.21 147.21

Add Lead charges for cement 0.22 235.34 51.77

**Total Rate 6314.26 /Cum**

### Rate Analysis

- 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 automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade). SSR I.NO. 25.11 @ 7104.00 Per Cum

<b>Basic Rate as per SSR 2022-2023</b>			<b>7104.00</b>
Add lead charges for metal	0.85	313.21	266.23
Add Lead charges for sand	0.425	313.21	133.11
Add Lead charges for cement	0.35	235.34	82.37
<b>Total Rate</b>			<b>7585.71 /Cum</b>

- 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 SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade). SSR I.NO. 25.31 @ 13783.00 Per Cum

<b>Basic Rate as per SSR 2022-2023</b>			<b>13783.00</b>
Add lead charges for metal	0.85	313.21	266.23
Add Lead charges for sand	0.425	313.21	133.11
Add Lead charges for cement	0.35	235.34	82.37
<b>Total Rate</b>			<b>14264.71 /Cum</b>

- 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 SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade). SSR I.NO. 25.5 @ 12269.00 Per Cum

<b>Basic Rate as per SSR 2022-2023</b>			<b>12269.00</b>
Add lead charges for metal	0.85	313.21	266.23
Add Lead charges for sand	0.425	313.21	133.11
Add Lead charges for cement	0.35	235.34	82.37
<b>Total Rate</b>			<b>12750.71 /Cum</b>

- 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 centering, formwork, cover blocks, laying/pumping, compacting and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade). SSR I.NO. 26.05 @ 13932.00 Per Cum

<b>Basic Rate as per SSR 2022-2023</b>			<b>13932.00</b>
Add lead charges for metal	0.85	313.21	266.23
Add Lead charges for sand	0.425	313.21	133.11
Add Lead charges for cement	0.35	235.34	82.37
<b>Total Rate</b>			<b>14413.71 /Cum</b>

## Rate Analysis

- 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. SSR I.NO. 26.33 @ 89703.00 Per Mt

<b>Basic Rate as per SSR 2022-2023</b>			<b>89703.00</b>
Add lead charges for Steel	1.00	235.34	235.34
<b>Total Rate</b>			<b>89938.34 /Mt</b>

- 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 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 I.NO. 26.34 @ 94136.00 Per Mt

<b>Basic Rate as per SSR 2022-2023</b>			<b>94136.00</b>
Add lead charges for Steel	1.00	235.34	235.34
<b>Total Rate</b>			<b>94371.34 /Mt</b>

- 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. 27.03 @ 7514.00 Per Cum

<b>Basic Rate as per SSR 2022-2023</b>			<b>7514.00</b>
Add lead charges for Brick	0.475	757.93	360.02
Add Lead charges for sand	0.32	313.21	100.23
Add Lead charges for cement	0.079	235.34	18.59
<b>Total Rate</b>			<b>7992.84 /Cum</b>

- 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 I.NO. 27.05 @ 7994.00 Per Cum

<b>Basic Rate as per SSR 2022-2023</b>			<b>7994.00</b>
Add lead charges for Brick	0.475	757.93	360.02
Add Lead charges for sand	0.32	313.21	100.23
Add Lead charges for cement	0.079	235.34	18.59
<b>Total Rate</b>			<b>8472.84 /Cum</b>

- 14 Providing and fixing colour coated Zinalume ( R ) AZ150 ( min 150 gms/sq.mt. total on each side ) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45 mm Base Metal Thickness ( BMT ) (0.5 mm TCT ), Hi-strength steel with min.550 MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55% aluminium 43.4% zinc 1.6% silicon) with COLORBOND ( R ) steel quality super durable polyester paint coat ( with inorganic pigment). The paint shall have a total coating thickness of nominal 35 um, comprising of nominal 25 um exterior coat on top surface and nominal 10 um reverse coat on back surface. Profile sheet shall have nom. 950- 1050 mm effective cover width and nominal 25-30 mm deep ribs with subtle square fluting in the five pan at nominal 180-250 mm center- to-center. The end rib shall be designed for anti-capillary groove. and return leg. The feed material should have coil manufacturers product details marked a regular interval. Including fasteners with min. fastened with min. 25 um Zinc-Tin alloy coated, Hex head, self-drilling screw etc. complete. (weight of profile 4.52 Kilogram/ One Square Metre). SSR I.NO. 38.34 @ 1173.00 Per Sqm

<b>Basic Rate as per SSR 2022-2023</b>			<b>1173.00</b>
<b>Total Rate</b>			<b>1173.00 /Sqm</b>

## Rate Analysis

- 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 I.NO. 32.04 @ 278.00 Per Sqm

<b>Basic Rate as per SSR 2022-2023</b>		<b>278.00</b>
Add Lead Charges for Sand	0.015    313.21	4.70
Add Lead Charges For Cement	0.0055    235.34	1.29
<b>Total Rate</b>		<b>283.99 /Sqm</b>

- 16 Providing internal cement plaster 20mm thick in Single coats in cement mortar 1:4 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete. SSR I.NO. 32.07 @ 382.00 Per Sqm

<b>Basic Rate as per SSR 2022-2023</b>		<b>382.00</b>
Add Lead Charges for Sand	0.025    313.21	7.83
Add Lead Charges For Cement	0.0085    235.34	2.00
<b>Total Rate</b>		<b>391.83 /Sqm</b>

- 17 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 I.NO. 23.04 @ 119459.00 Per Mt

<b>Basic Rate as per SSR 2022-2023</b>	<b>119459.00</b>
<b>Total Rate</b>	<b>119459.00 /MT</b>

- 18 Providing and fixing mild steel grill work for windows, ventilators etc. 20 Kilogram/ One Square Metre as per drawing including fixtures, necessary welding and painting with one coats of anticorrosive paint and two coats of oil painting complete. SSR I.NO. 40.01 @ 2097.00 Per Sqm

<b>Basic Rate as per SSR 2022-2023</b>	<b>2097.00</b>
<b>Total Rate</b>	<b>2097.00 /Sqm</b>

- 19 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 I.NO. 36.12 @ 80.00 Per Sqm

<b>Basic Rate as per SSR 2022-2023</b>	<b>80.00</b>
<b>Total Rate</b>	<b>80.00 /Sqm</b>

- 20 Providing and applying two coats of textured synthetic paint of approved shade and quality and one coat of primer before applying textured paint including scaffolding if necessary preparing surface by thoroughly cleaning oil, grease, dirt and other materials as required, etc. complete. SSR I.NO. 35.24 @ 163.00 pER sQM

<b>Basic Rate as per SSR 2022-2023</b>	<b>163.00</b>
<b>Total Rate</b>	<b>163.00 /Sqm</b>

- 21 Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm minimum size and shape with square bar, suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high 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 @ 4829.00 Per Sqm

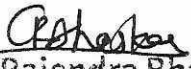
<b>Basic Rate as per SSR 2022-2023</b>	<b>4829.00</b>
<b>Total Rate</b>	<b>4829.00 /Sqm</b>

### Rate Analysis

- 22 Providing and fixing screw down 15 mm dia. wheeled stop tap of brass including necessary sockets/union nut complete. SSR I.NO. 41.43 @ 516.00 Per No
- |  |                   |
|--|-------------------|
| <b>Basic Rate as per SSR 2022-2023</b> | <b>516.00</b>     |
| <b>Total Rate</b>                      | <b>516.00 /No</b> |
- 23 Providing and fixing in position (as per 1868 / 1982) Alluminium sliding window of three tracks with rectangular pipe 95 x 38.10 x 0.90 mm at weight 0.637 Kilogram/One Running Metre. with window frame bottom track section 92 x 31.75 x 1.30 mm at weight 1.070 Kilogram/One Running Metre.. Top and side track section 92 x 31.75 x 1.30 mm at weight 0.933 Kilogram/Running metre. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 Kilogram/One Running Metre. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 Kilogram/Running metre. and handle and top section 40 x 18 x 1.25 mm at weight 0.417 Kilogram/Running metre. 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 with box.ssr i.no. 39.41 @ 5502
- |  |                     |
|--|---------------------|
| <b>Basic Rate as per SSR 2022-2023</b> | <b>5502.00</b>      |
| <b>Total Rate</b>                      | <b>5502.00 /Sqm</b> |
- 24 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 I.NO. 42.56 @ 310.00 Per Rmt
- |  |                    |
|--|--------------------|
| <b>Basic Rate as per SSR 2022-2023</b> | <b>310.00</b>      |
| <b>Total Rate</b>                      | <b>310.00 /Rqm</b> |
- 25 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 liters. SSR I.NO. 42.53 @ 14.00 Per Lit
- |  |                   |
|--|-------------------|
| <b>Basic Rate as per SSR 2022-2023</b> | <b>14.00</b>      |
| <b>Total Rate</b>                      | <b>14.00 /Ltr</b> |
- 26 Turbo Ventilator 24": Providing and fixing wind operated tubo ventilator system of various sizes over the existing roof including cutting CGI sheets, proper fixing in position to true line and level with all fixtures and fastenings incuding etc. complete. SSR I.No. 42 on P.No. 529 @ 9702.00 Per No
- |  |                    |
|--|--------------------|
| <b>Basic Rate as per SSR 2022-2023</b> | <b>9702.00</b>     |
| <b>Total Rate</b>                      | <b>9702.00 /No</b> |
- 27 Providing and fixing board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period etc', having rectangular shape of 1.20m x 0.90m size made out 18 gauge (1.25mm) thick mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S.angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc.and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete. Spec. No. As directed by Engineer in Charge. SSR I.NO. 6.36 @ 9963.00 Per No
- |  |                |
|--|----------------|
| <b>Basic Rate as per SSR 2022-2023</b> | <b>9963.00</b> |
|--|----------------|

## Rate Analysis

Total Rate 9963.00 /No

  
Gaurav Rajendra Bhaskar  
B.E.(Civil) A.M.I.E.  
Chartered Engineer  
AM3023322

Name of work :- Construction of Shed and Road of Grain Cleaning and Grading Plant For "Bijankur Hi-Tech Producer Company Limited at Village Pachanwadgaon in Gat No. 392, Tq. Jaina, Dist. Jaina Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प जागतिक बँक सहय्यित उपक्रम

**Royalty Charges & Material Requirement for the work**

Sr.No	Item of work	Qty	Unit	Metal Above 40 mm		Metal Below 40 mm		Sand		Soft / Hard Murum		Cement	
				Rate	Qty	Rate	Qty	Rate	Qty	Rate	Qty	Rate	Qty
3	Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete. SSR I.NO. 21.38	86.36	Cum	1.00	86.36								
4	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 I.NO.	643.55	Sqm							1.00	643.55		
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 (Crushed sand VSI Grade). SSR I.NO. 24.01 @ 5830.00 Per Cum	44.16	Cum	0.70	30.91	0.24	10.60	0.47	20.76			4.40	194.30

Name of work :- Construction of Shed and Road of Grain Cleaning and Grading Plant For "Bijankur Hi-Tech Producer Company Limited at Village Pachanwadgaon in Gat No. 392, Tq. Jalna, Dist. Jalna Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प जागतिक बँक सहयित्त उपक्रम

**Royalty Charges & Material Requirement for the work**

Sr.No	Item of work	Qty	Unit	Metal Above 40 mm		Metal Below 40 mm		Sand		Soft / Hard Murum		Cement	
				Rate	Qty	Rate	Qty	Rate	Qty	Rate	Qty	Rate	Qty
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 automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade). SSR I.NO. 25.11 @ 7104.00 Per Cum	18.50	Sqm			0.85	15.73	0.425	7.86			7.00	129.50

Name of work :- Construction of Shed and Road of Grain Cleaning and Grading Plant For "Bijankur Hi-Tech Producer Company Limited at Village Pachanwadgaon in Gat No. 392, Tq. Jalna, Dist. Jalna Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प जागतिक बँक सहयित उपक्रम

**Royalty Charges & Material Requirement for the work**

Sr.No	Item of work	Qty	Unit	Metal Above 40 mm		Metal Below 40 mm		Sand		Soft / Hard Murum		Cement	
				Rate	Qty	Rate	Qty	Rate	Qty	Rate	Qty	Rate	Qty
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 SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade). SSR I.NO. 25.31 @ 13783.00 Per Cum	23.35	Cum			0.85	19.85	0.425	9.92			7.00	163.45

Name of work :- Construction of Shed and Road of Grain Cleaning and Grading Plant For "Bijankur Hi-Tech Producer Company Limited at Village Pachanwadgaon in Gat No. 392, Tq. Jalna, Dist. Jalna Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प जागतिक बँक सहयित उपक्रम

**Royalty Charges & Material Requirement for the work**

Sr.No	Item of work	Qty	Unit	Metal Above 40 mm		Metal Below 40 mm		Sand		Soft / Hard Murum		Cement	
				Rate	Qty	Rate	Qty	Rate	Qty	Rate	Qty	Rate	Qty
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 SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade). SSR I.NO. 25.5 @ 12269.00 Per Cum	19.94	Cum			0.85	16.95	0.425	8.47			7.00	139.58

Name of work :- Construction of Shed and Road of Grain Cleaning and Grading Plant For "Bijankur Hi-Tech Producer Company Limited at Village Pachanwadgaon in Gat No. 392, Tq. Jalna, Dist. Jalna Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प जागतिक बँक सहयित उपक्रम

**Royalty Charges & Material Requirement for the work**

Sr.No	Item of work	Qty	Unit	Metal Above 40 mm		Metal Below 40 mm		Sand		Soft / Hard Murum		Cement	
				Rate	Qty	Rate	Qty	Rate	Qty	Rate	Qty	Rate	Qty
9	Providing and laying Cast in situ/Ready Mixcement 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, laying/pumping, compacting and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade). SSR I.NO. 26.05 @ 13932.00 Per Cum	8.24	Cum			0.85	7.00	0.425	3.50			7.00	57.65
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. 27.03 @ 7514.00 Per Cum	35.94	Cum					0.32	11.50			1.58	56.79

Name of work :- Construction of Shed and Road of Grain Cleaning and Grading Plant For "Bijankur Hi-Tech Producer Company Limited at Village Pachanwadgaon in Gat No. 392, Tq. Jalna, Dist. Jalna Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प जागतिक बँक सहय्यित उपक्रम

**Royalty Charges & Material Requirement for the work**

Sr.No	Item of work	Qty	Unit	Metal Above 40 mm		Metal Below 40 mm		Sand		Soft / Hard Murum		Cement	
				Rate	Qty	Rate	Qty	Rate	Qty	Rate	Qty	Rate	Qty
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 I.NO. 27.05 @ 7994.00 Per Cum	44.19	Cum					0.32	14.14			1.58	69.82
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 I.NO. 32.04 @ 278.00 Per Sqm	253.17	Sqm					0.015	3.80			0.11	27.85
16	Providing internal cement plaster 20mm thick in Single coats in cement mortar 1:4 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc.complete. SSR I.NO. 32.07 @ 382.00 Per Sqm	488.31	Sqm					0.025	12.21			0.17	83.01
<b>Grant Total</b>													
				117.27	Cum	70.12	Cum	92.16	Cum	643.55	Cum	922.00	Bags
<b>Pay Load Factor for tractor:</b>						2.50		2.50		2.50		2.50	
<b>Total Trips:</b>						46.91		28.05		36.87		257.42	
<b>Trip Rounded:</b>						47.00		28.00		37.00		257.00	922.00 Bags


Total Qty of Royalty For Sand 92.16 Cum 237.37 = 21877.00  
 Total Qty of Royalty For Without Sand 760.82 Cum 216.18 = 164474.00  
**Total Amount of Royalty Rs 186351.00**

*Gaurav*  
**Gaurav Rajendra Bhaskar**  
 B.E.(Civil) A.M.I.E.  
 Chartered Engineer  
 AM3023322

Name of work :- Construction of Shed and Road of Grain Cleaning and Grading Plant  
For "Bijankur Hi-Tech Producer Company Limited at Village Pachanwadgaon in Gat  
No. 392, Tq. Jalna, Dist. Jalna Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन  
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**LEAD CHART**

Sr. No	Name of Material	Name of Quarry	Lead in Km	Lead Charges
1	2	3	4	5
1	Rubble	Jalna	8.00	383.18
2	40 mm Metal	Jalna	8.00	300.16
3	Crurshed Metal	Jalna	8.00	313.21
4	Sand	Kundalika	8.00	313.21
5	Cement	Jaina	10.00	235.34
6	Brick	Jalna	10.00	757.93
7	Steel	Jalna	10.00	235.34
8	Hard Murum	HMQ	2.00	203.32

  
**Gaurav Rajendra Bhaskar**  
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Jalna, Dist. Jalna Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प  
जागतिक बँक सहयित उपक्रम

ROAD RECAPULATION SHEET

SR No	Items	Amount with Royalty	Amount without Royalty
1	2	3	4
1	Cost of Work	1034574.00	960050.00
2	Add 1% Labour Insurance on 960050.00	9601.00	
Total Rs 1+2 [A]		1044175.00	

*Rajendra*  
Gaurav Rajendra Bhaskar  
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Chartered Engineer  
AM3023322

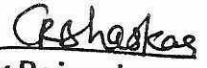
Name of work :- Construction of Shed and Road of Grain Cleaning and Grading Plant For  
 "Bijankur Hi-Tech Producer Company Limited at Village Pachanwadgaon in Gat No. 392, Tq.  
 Jalna, Dist. Jalna Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प  
 जागतिक बँक सहयित उपक्रम

Road Abstract Sheet

Sr.No	Qty	Item of work	Rate	Unit	Amount
1	2	3	4	5	6
1	90.00	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete. SSR I.NO. 21.4 @ 1454.00 Per Cum	1884.16	Cum	169574.00
2	103.50	Supplying hard murum/ kankar at the road site, including conveying and stacking complete. SSR I.NO. 2.29a @ 435.00 Per Cum	638.32	Cum	66066.00
3	103.50	Spreading hard murum/ soft murrum/ gravel or kankar for side width complete. SSR I.NO. 2.30 @ 79.00 Per Cum	79.00	Cum	8177.00
4	45.00	Compacting the hard murum side widths including laying in layers on each side with vibratory roller including artificial watering etc. complete. SSR I.NO. 2.31 @ 21.00 Per Sqm	21.00	Sqm	945.00
5	45.00	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 (Crushed sand VSI Grade). SSR I.NO. 24.01 @ 5830.00 Per Cum	6314.26	Cum	284142.00
6	60.00	Providing and laying in situ / ready mix M20 CC of trap/ granite/ quartzite/ gneiss metal for wearing course 8cm thick including compacting, finishing, curing and filling in joints with bitumen etc. complete. (with fully automatic micro processor based PLC with SCADA enabled concrete batch mix plant / pan mixer with fine aggregates of required specifications ( VSI sand finely washed etc ) SSR I.NO. 6538.00 Per Cum	7019.71	Cum	421183.00

Sr.No 1	Qty 2	Item of work 3	Rate 4	Unit 5	Amount 6
7	1	Providing and fixing board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period etc', having rectangular shape of 1.20m x 0.90m size made out 18 gauge (1.25mm) thick mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S.angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc.and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete. Spec. No. As directed by Engineer in Charge. SSR I.NO. 6.36 @ 9963.00 Per No	9963.00	No	9963.00

			Cost of Work	Rs	960050.00
<b>Royalty Charges</b>					
8	225.00	For Royalty calculation Material utilised for the work as per statement Qty without sand	216.18	Cum	48641.00
9	46.65	For Royalty calculation Material utilised for the work as per statement Qty of sand	237.37	Cum	11073.00
			<b>Total Royalty Charges</b>	<b>Rs</b>	<b>59714.00</b>
<b>Lab Testing Charges</b>					
10	2.00	<b>BASIC TEST OF CEMENT:</b> Standard Consistency, Fineness, Specific Gravity, Setting Time ( Initial & Final ), Compressive Strength, Soundness. SSR I.NO. 1 P.NO 426 @ 3770.00 Per Test	3770	Test	7540.00
11	2.00	<b>BASIC TEST OF AGGREGATE:</b> Water Absorption, Specific Gravity, Impact Value, Crushing Value. SSR I.NO. 2 P.NO 426 @ 2600.00 Per Test	2600	Test	5200.00
11	3.00	<b>CONCRETE:</b> Compressive Strength OF C.C. Cube (Set of 3 cubes)..SSR I.NO. 19 P.NO 426 @ 690.00 Per Test	690	Test	2070.00
			<b>Total Lab Testing Charges</b>	<b>Rs</b>	<b>14810.00</b>
			<b>Grand Total</b>	<b>Rs</b>	<b>1034574.00</b>

  
**Gaurav Rajendra Bhaskar**  
 B.E.(Civil) A.M.I.E.  
 Chartered Engineer  
 AM3023322

Name of work :- Construction of Shed and Road of Grain Cleaning and Grading Plant For "Bijankur Hi-Tech Producer Company Limited at Village Pachanwadgaon in Gat No. 392, Tq. Jalna, Dist. Jalna Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प जागतिक बँक सहयित उपक्रम

### Road Measurement Sheet

Sr No	Item of work	No	L	B	H	Qty	Unit
1	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete. SSR I.NO. 21.4 @ 1454.00 Per Cum	1	1	100.00	6.00	0.15	90.00
							<b>Total Quantity 90.00 Cum</b>
2	Supplying hard murum/ kankar at the road site, including conveying and stacking complete. SSR I.NO. 2.29a @ 435.00 Per Cum						
	For blanketing	1	1	100.00	6.00	0.15	90.00
	For side berm	1	2	100.00	0.45	0.15	13.50
							<b>Total Quantity 103.50 Cum</b>
3	Spreading hard murum/ soft murrum/ gravel or kankar for side width complete. SSR I.NO. 2.30 @ 79.00 Per Cum						
Qty as per Item No 2							<b>Total Quantity 103.50 Cum</b>
4	Compacting the hard murum side widths including laying in layers on each side with vibratory roller including artificial watering etc. complete. SSR I.NO. 2.31 @ 21.00 Per Sqm						
		1	2	100.00	0.45		45.00
							<b>Total Quantity 45.00 Sqm</b>
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 (Crushed sand VSI Grade). SSR I.NO. 24.01 @ 5830.00 Per Cum						
		1		100.00	6.00	0.075	45.00
							<b>Total Quantity 45.00 Cum</b>
6	Providing and laying in situ / ready mix M20 CC of trap/ granite/ quartzite/ gneiss metal for wearing course 8cm thick including compacting, finishing, curing and filling in joints with bitumen etc. complete. (with fully automatic micro processor based PLC with SCADA enabled concrete batch mix plant / pan mixer with fine aggregates of required specifications ( VSI sand finely washed etc ) SSR I.NO. 6538.00 Per Cum						
		1		100.00	6.00	0.10	60.00
							<b>Total Quantity 60.00 Cum</b>

Sr No	Item of work	No	L	B	H	Qty	Unit
7	Providing and fixing board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period etc', having rectangular shape of 1.20m x 0.90m size made out 18 gauge (1.25mm) thick mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S.angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc.and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete. Spec. No. As directed by Engineer in Charge. SSR I.NO. 6.36 @ 9963.00 Per No						


<b>Total Quantity</b>	<b>1.00</b>	<b>No</b>
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8 For Royelty calculation Material utilised for the work as per statement Qty without sand

<b>Total Quantity</b>	<b>225.00</b>	<b>Cum</b>
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9 For Royelty calculation Material utilised for the work as per statement Qty of sand

<b>Total Quantity</b>	<b>46.65</b>	<b>Cum</b>
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**Gaurav Rajendra Bhaskar**  
**B.E.(Civil) A.M.I.E.**  
**Chartered Engineer**  
**AM3023322**

Name of work :- Construction of Shed and Road of Grain Cleaning and Grading Plant For "Bijankur Hi-Tech Producer Company Limited at Village Pachanwadgaon in Gat No. 392, Tq. Jalna, Dist. Jalna Under  
 मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प  
 जागतिक बँक सहयित्त उपक्रम

### Rate Analysis

- 1 Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete. SSR I.NO. 21.4 @ 1454.00 Per Cum
 

<b>Basic Rate as per SSR 2022-2023</b>				<b>1454.00</b>
Add Lead charges for metal	1	383.18		383.18
Add lead charges for grit	0.15	313.21		46.98
<b>Total Rate</b>				<b>1884.16 /Cum</b>
  
- 2 Supplying hard murum/ kankar at the road site, including conveying and stacking complete. SSR I.NO. 2.29a @ 435.00 Per Cum
 

<b>Basic Rate as per SSR 2022-2023</b>				<b>435.00</b>
Add Lead charges for murum	1	203.32		203.32
<b>Total Rate</b>				<b>638.32 /Cum</b>
  
- 3 Spreading hard murum/ soft murrum/ gravel or kankar for side width complete. SSR I.NO. 2.30 @ 79.00 Per Cum
 

<b>Basic Rate as per SSR 2022-2023</b>				<b>79.00</b>
<b>Total Rate</b>				<b>79.00 /Cum</b>
  
- 4 Compacting the hard murum side widths including laying in layers on each side with vibratory roller including artificial watering etc. complete. SSR I.NO. 2.31 @ 21.00 Per Sqm
 

<b>Basic Rate as per SSR 2022-2023</b>				<b>21.00</b>
<b>Total Rate</b>				<b>21.00 /Sqm</b>
  
- 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 (Crushed sand VSI Grade). SSR I.NO. 24.01 @ 5830.00 Per Cum
 

<b>Basic Rate as per SSR 2022-2023</b>				<b>5830.00</b>
Add Lead charges for 40mm metal	0.70	300.16		210.11
Add Lead charges for Crush metal	0.24	313.21		75.17
Add Lead charges for Sand	0.47	313.21		147.21
Add Lead charges for Cement	0.22	235.34		51.77
<b>Total Rate</b>				<b>6314.26 /Cum</b>
  
- 6 Providing and laying in situ / ready mix M20 CC of trap/ granite/ quartzite/ gneiss metal for wearing course 8cm thick including compacting, finishing, curing and filling in joints with bitumen etc. complete. (with fully automatic micro processor based PLC with SCADA enabled concrete batch mix plant / pan mixer with fine aggregates of required specifications ( VSI sand finely washed etc ) SSR I.NO. 6538.00 Per Cum
 

<b>Basic Rate as per SSR 2022-2023</b>				<b>6538.00</b>
Add lead charges for metal	0.85	313.21		266.23
Add Lead charges for sand	0.425	313.21		133.11
Add Lead charges for cement	0.35	235.34		82.37
<b>Total Rate</b>				<b>7019.71 /Cum</b>

### Rate Analysis

- 7 Providing and fixing board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period etc', having rectangular shape of 1.20m x 0.90m size made out 18 gauge (1.25mm) thick mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S. angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc. and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete. Spec. No. As directed by Engineer in Charge. SSR I.NO. 6.36 @ 9963.00 Per No

Basic Rate as per SSR 2022-2023

9963.00

**Total Rate 9963.00 /No**

  
Gaurav Rajendra Bhaskar  
B.E.(Civil) A.M.I.E.  
Chartered Engineer  
AM3023322

Name of work :- Construction of Shed and Road of Grain Cleaning and Grading Plant For "Bijankur Hi-Tech Producer Company Limited at Village Pachanwadgaon in Gat No. 392, Tq. Jalna, Dist. Jalna Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प जागतिक बँक सहय्यित उपक्रम

**Material Requirement for the work**

Sr.No	Item of work	Qty	Unit	Metal Above 40 mm		Metal Below 40 mm		Sand		Soft / Hard Murum		Cement	
				Rate	Qty	Rate	Qty	Rate	Qty	Rate	Qty	Rate	Qty
1	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete. SSR I.NO. 21.4 @ 1454.00 Per Cum	90.00	Cum	1.00	90.00								
2	Supplying hard murum/ kankar at the road site, including conveying and stacking complete. SSR I.NO. 2.29a @ 435.00 Per Cum	103.50	Cum							1.00	103.50		
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	45.00	Cum	0.70	31.50	0.24	10.80	0.47	21.15			4.40	198.00

Sr.No	Item of work	Qty	Unit	Metal Above 40 mm	Metal Below 40 mm	Sand	Soft / Hard Murum	Cement					
6	Providing and laying in situ / ready mix M20 CC of trap/ granite/ quartzite/ gneiss metal for wearing course 8cm thick including compacting, finishing, curing and filling in joints with bitumen etc. complete. (with fully automatic micro processor based PLC with SCADA enabled concrete batch mix plant / pan mixer with fine aggregates of required specifications ( VSI sand finely washed etc ) SSR I.NO. 6538.00 Per Cum	60.00	Cum		0.85	51.00	0.425	25.50	7.00	420.00			
<b>Grant Total</b>				<b>121.50</b>	<b>Cum</b>	<b>61.80</b>	<b>Cum</b>	<b>46.65</b>	<b>Cum</b>	<b>103.50</b>	<b>Cum</b>	<b>618.00</b>	<b>Bags</b>
<b>Pay Load Factor for tractor</b>				<b>2.50</b>		<b>2.50</b>		<b>2.50</b>		<b>2.50</b>			
<b>Total Trips</b>				<b>48.60</b>		<b>24.72</b>		<b>18.66</b>		<b>41.40</b>			
<b>Trip Rounded</b>				<b>49.00</b>		<b>25.00</b>		<b>19.00</b>		<b>41.00</b>		<b>618.00</b>	<b>Bags</b>

Royalty for without sand 225.00 Cum 216.18 = 48641.0  
Royalty for sand 46.65 Cum 237.37 = 11073.0

*R. Shastkar*  
**Gaurav Rajendra Bhaskar**  
**B.E.(Civil) A.M.I.E.**  
**Chartered Engineer**  
**AM3023322**

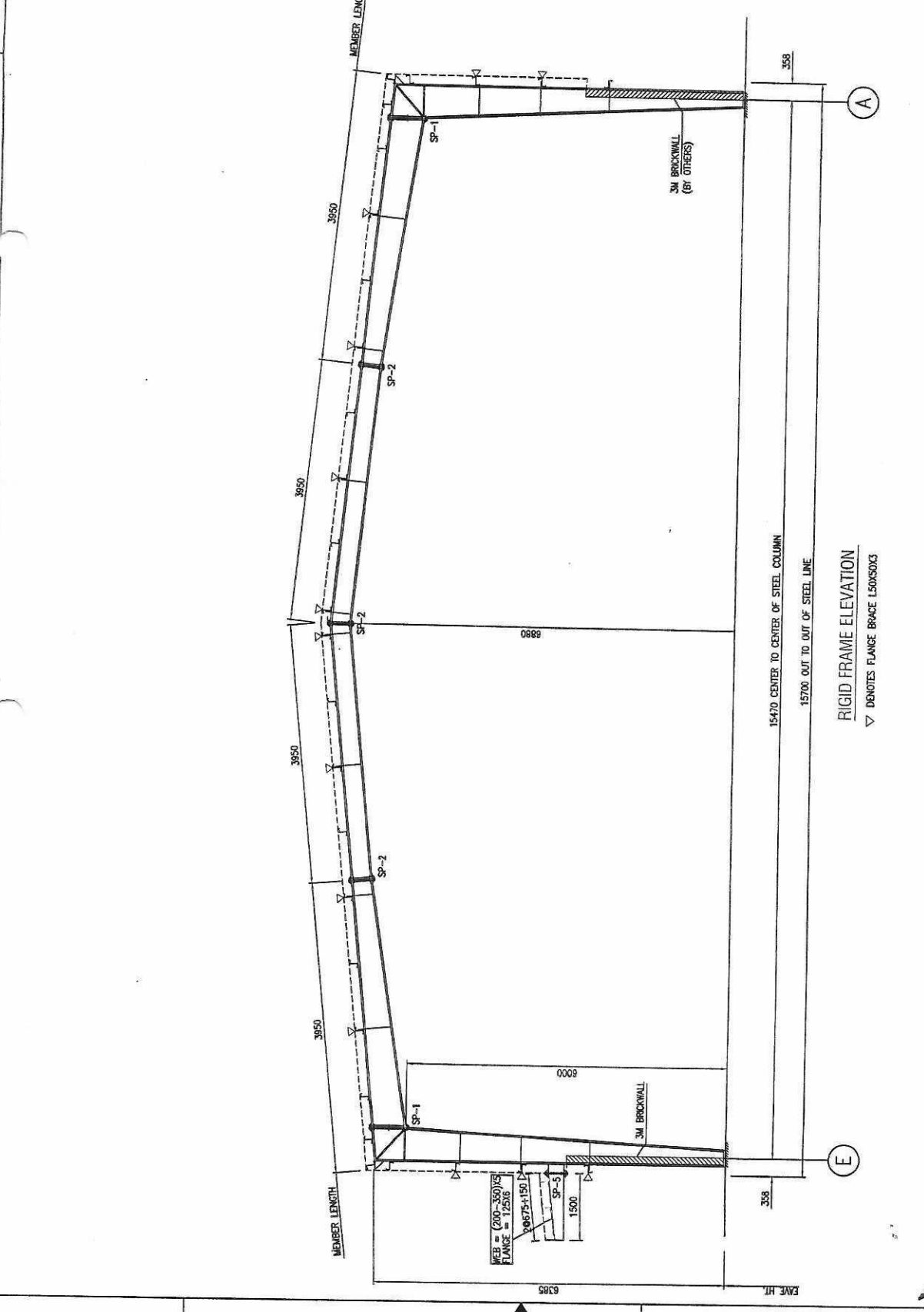
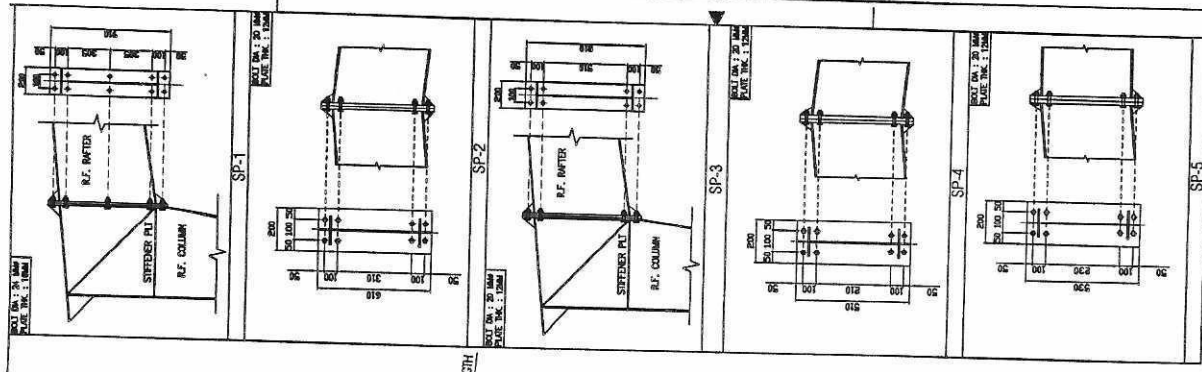
Name of work :- Construction of Shed and Road of Grain Cleaning and Grading Plant For  
"Bijankur Hi-Tech Producer Company Limited at Village Pachanwadgaon in Gat No. 392,  
Tq. Jalna, Dist. Jalna Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प  
जागतिक बँक सहयित उपक्रम

LEAD CHART

Sr. No	Name of Material	Name of Quarry	Lead in Km	Lead Charges
1	2	3	4	5
1	Rubble	Jalna	8.00	383.18
2	40 mm Mttal	Jalna	8.00	300.16
3	Crurshed Metal	Jalna	8.00	313.21
4	Sand	Kundalika	8.00	313.21
5	Cement	Jalna	10.00	235.34
6	Brick	Jalna	10.00	757.93
7	Steel	Jalna	10.00	235.34
8	Hard Murum	HMQ	2.00	203.32

  
Gaurav Rajendra Bhaskar  
B.E.(Civil) A.M.I.E.  
Chartered Engineer  
AM3023322

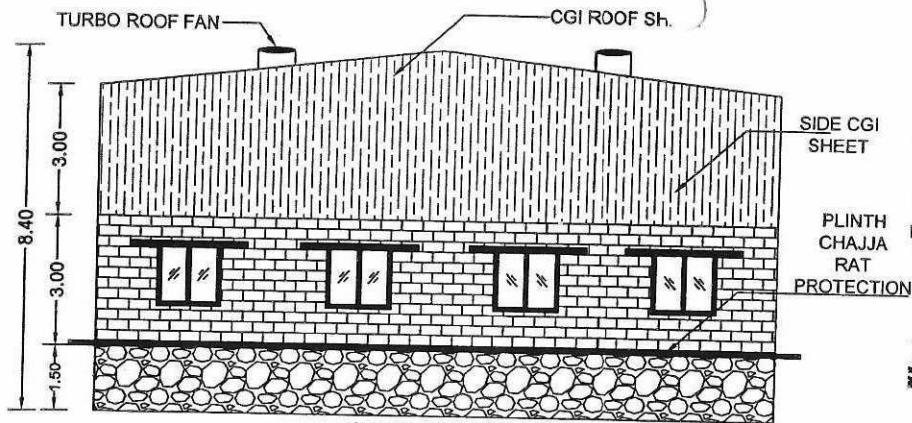
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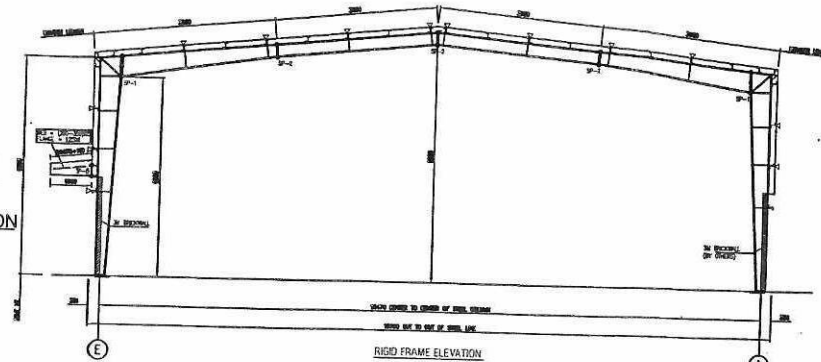
*G. Rajendra Bhaskar*  
**Gaurav Rajendra Bhaskar**  
 B.E. (Civil) A.M.I.E.  
 Chartered Engineer  
 AM3023322

JOB NO.	1
PROJECT NAME	1
BUILDING NAME	1
CUSTOMER	1
JOB LOCATION	1
DRAWING TITLE	1
DWG. NO.	GAO1

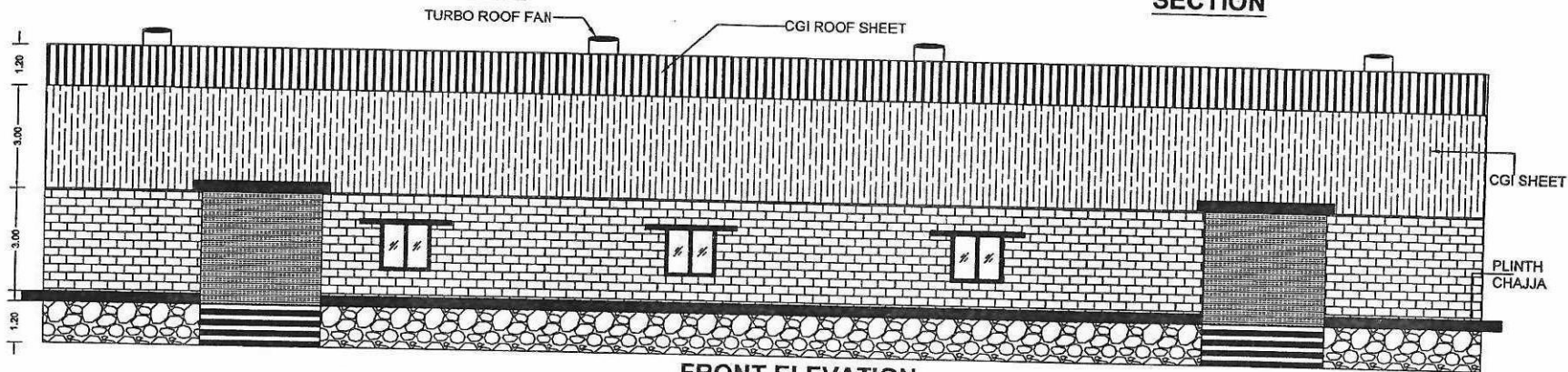
RIGID FRAME ELEVATION AT GL-1 TO 12



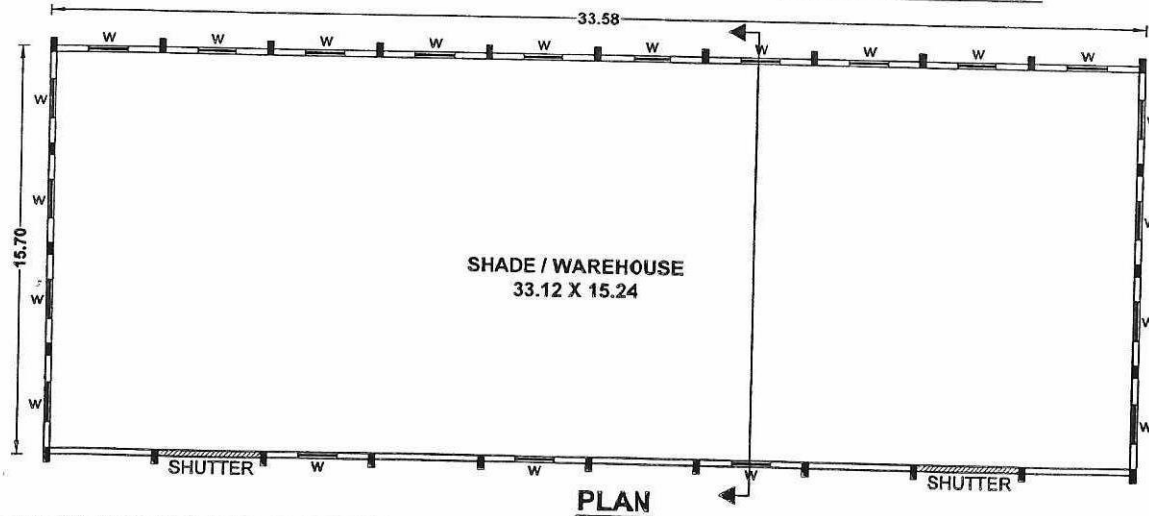
**SIDE ELEVATION**



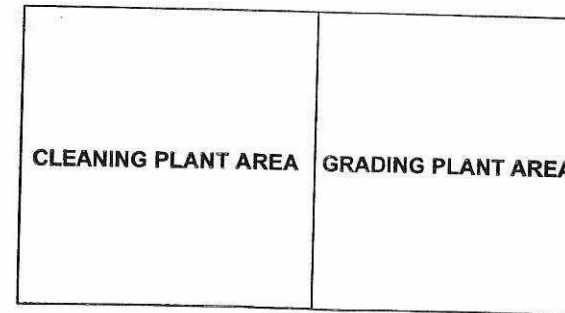
**SECTION**



**FRONT ELEVATION**



**PLAN**



**BLOCK PLAN**

**AREA STATEMENT**

TOTAL B/UP AREA (P-LINE)  
33.58 X 15.70 = 527.20 SQ.M.  
1000 MT Cap.

**SCHEDULE OF OPENING**

No.	Particular	Area	Material	Description
1	Window 2 TRACK	1.80 x 1.80	ALUMINIUM SLIDING	
2	ROLLING SHUTTER	1.80 x 2.00	WIRE ROLLING SHUTTER	
3	TURBO Fan 2P	1		Wind Operated

**NAME OF APPLICANT/PRESIDENT:**

Kamini Atul Wazarkar

"Bijankur Hi-Tech Producer Company Limited at Village Pachanwadgaon in Gat No. 392, Tq. Jaina, Dist. Jaina

**PRESIDENT'S SIGN**

**REFERENCES**

ALL DIMENSIONS ARE IN METERS  
R.C.C. FRAMED STRUCTURE, CGI ROOF  
SCALE: HORIZ. 1:100, VERT. 1:50  
UNLESS NOTED OTHERWISE DRAWING  
TO BE REVISION DRAWING

NORTH

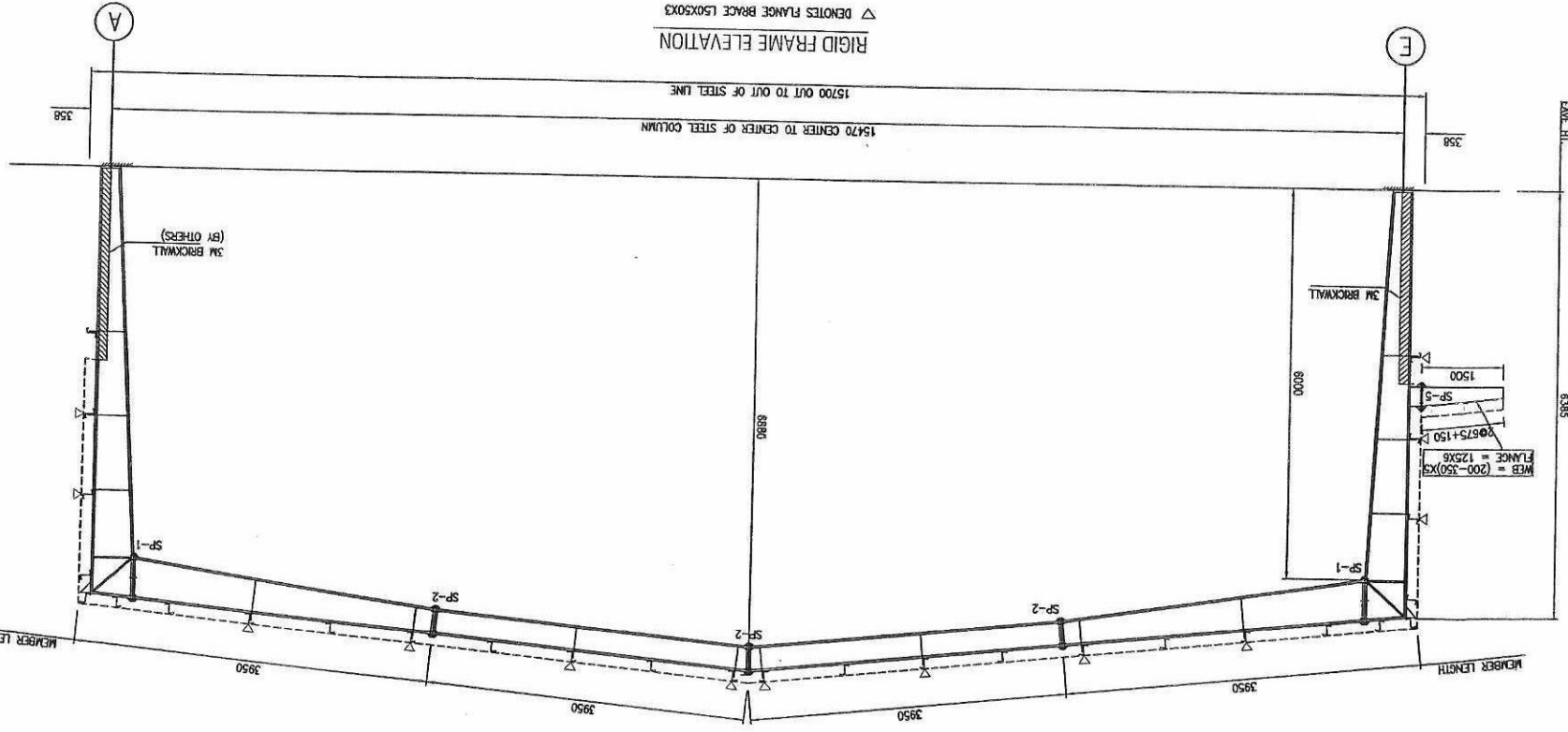
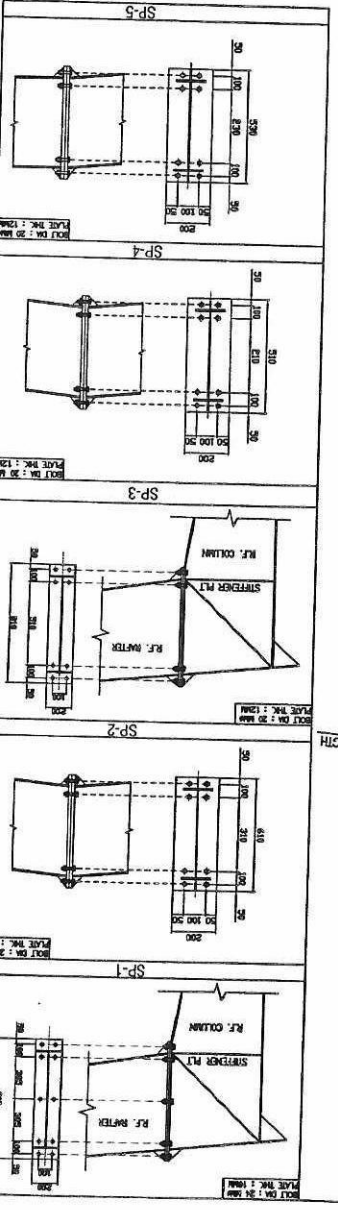
**TITLE**

Construction of Shed of Grain Cleaning and Grading Plant For "Bijankur Hi-Tech Producer Company Limited at Village Pachanwadgaon in Gat No. 392, Tq. Jaina, Dist. Jaina Under mt. शाकासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प जामलिक बँक सहयित उपक्रम

*Gaurav*  
Gaurav Rajendra Bhaskar  
B.E.(Civil) A.M.I.E.  
Chartered Engineer  
AM3023322

*Gurav Rajendra Baskar*  
**Gurav Rajendra Baskar**  
 B.E.(Civil) A.M.I.E.  
 Chartered Engineer  
 AM3023322

JOB NO.	BUILDING NO. - B01
PROJECT NAME	
BUILDING NAME	
OWNER	
ADDRESS	
PROJECT LOCATION	
DRAWING TITLE	RIGID FRAME ELEVATION AT CL-1 TO 12
DRAWING NO.	GA01

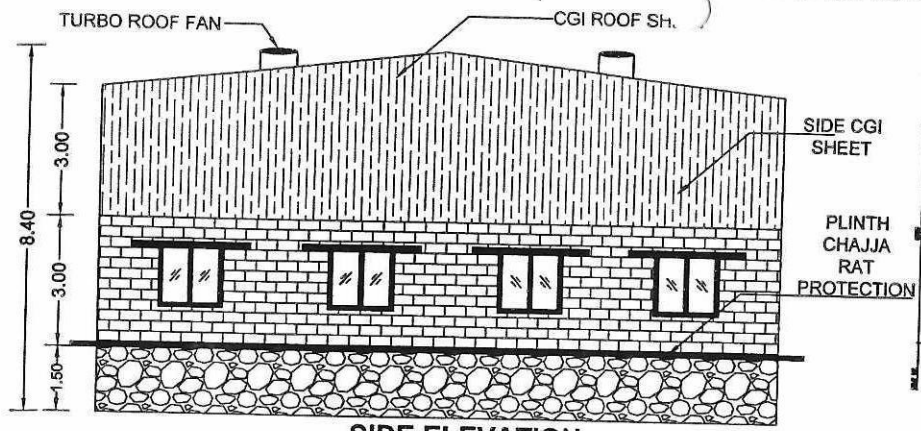


△ DENOTES FLANGE BRACE L50X50X3  
 RIGID FRAME ELEVATION  
 15700 OUT TO OUT OF STEEL LINE  
 15470 CENTER TO CENTER OF STEEL COLUMN

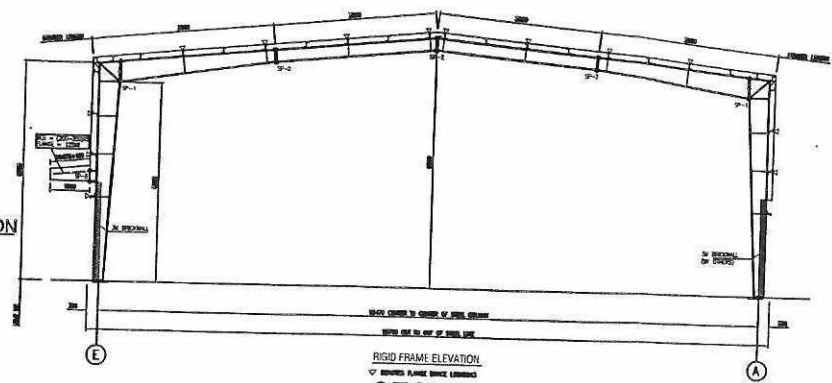
WEB = (200-350)X3  
 FLANGE = 125X6

6385  
 8000  
 1500  
 15700  
 15470

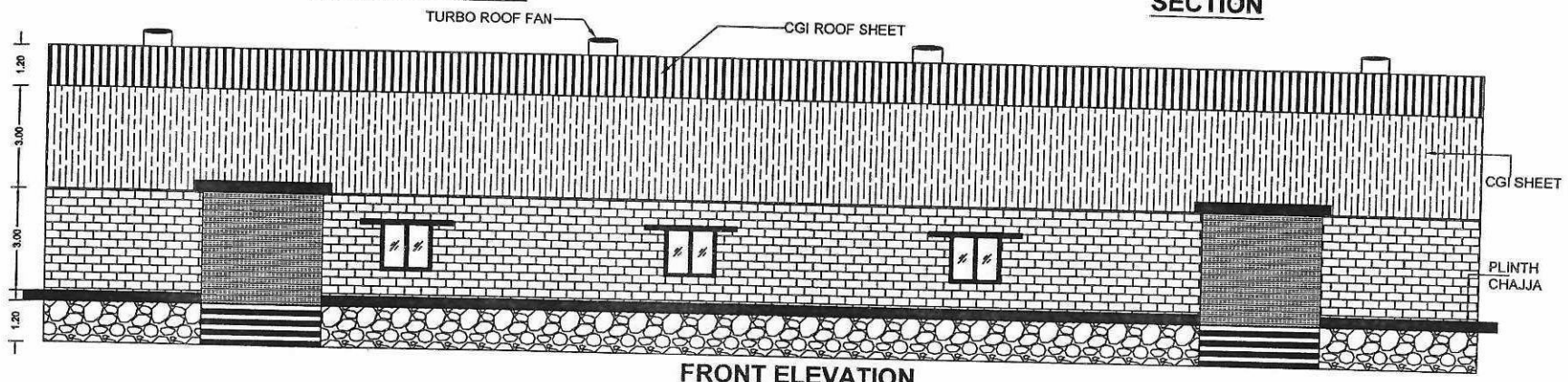
MEMBER LENGTH  
 3950  
 3950  
 3950  
 3950  
 3950



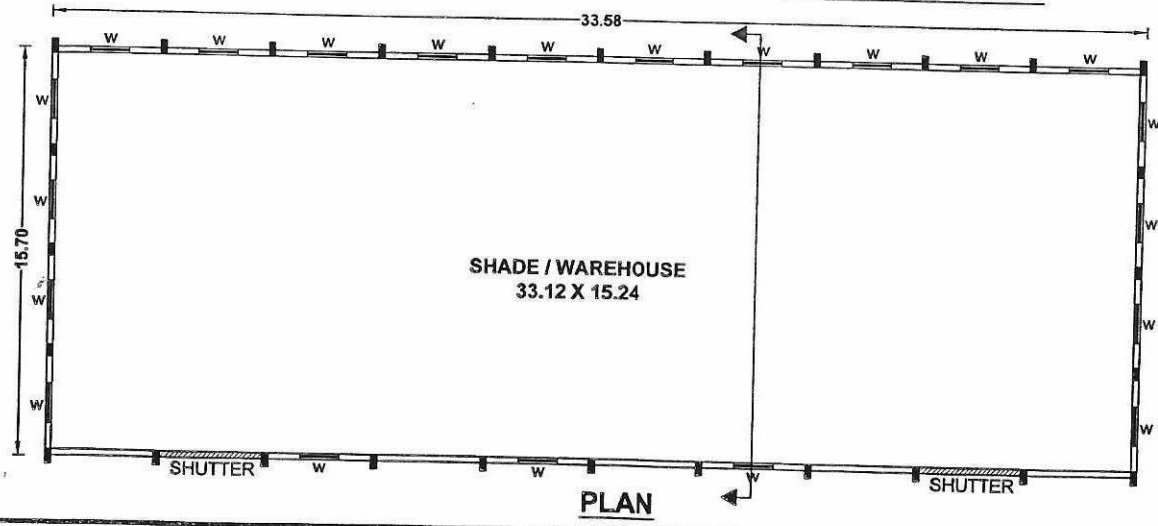
**SIDE ELEVATION**



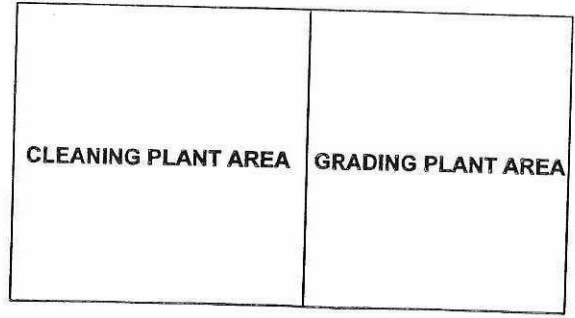
**SECTION**



**FRONT ELEVATION**



**PLAN**



**BLOCK PLAN**

**AREA STATEMENT**  
 TOTAL B/UP AREA (P-LINE)  
 33.58 X 15.70 = 527.20 SQ.M.  
 1000 MT Cap.

**SCHEDULE OF OPENING**

No.	Particulars	Qty	Size	Description
1	Window 2 TRACK	7	1.80 X 1.80	ALUMINIUM SLIDING
2	Rolling Shutter	2	3.00 X 8.00	ALUMINIUM ROLLING SHUTTER
3	Turbo Fan 30"	4		Wind Operated

**NAME OF APPLICANT/PRESIDENT:**  
 Kamini Atul Wazarkar  
 \*Bijankur Hi-Tech Producer  
 Company Limited at Village  
 Pachanwadgaon in Gat No. 392, Tq.  
 Jalna, Dist. Jalna

**PRESIDENT'S SIGN**  
 REFERENCES  
 ALL DIMENSIONS ARE IN METERS  
 R.C.C. FRAMED STRUCTURE, CGI ROOF  
 SCALE: 1/40 (1/8" = 1'0")  
 UNLESS NOTED  
 OTHERWISE OTHERWISE

**TITLE**  
 Construction of Shed of Grain  
 Cleaning and Grading Plant For  
 \*Bijankur Hi-Tech Producer  
 Company Limited at Village  
 Pachanwadgaon in Gat No. 392,  
 Tq. Jalna, Dist. Jalna Under ga.  
 बाळासाहेब ठाकरे कृषि श्वसारात  
 ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प  
 जागतिक बँक सहयित उपक्रम

*Gaurav*  
**Gaurav Rajendra Bhaskar**  
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