

ESTIMATE

*"Munjel Brothers Farmers Producer Company Limited at Village
Bori In Gut No. 16 Tq. Ambad Dist. Jalna "*

President: Vilas Prabhakar Munjal

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 Warehouse For "Munjel Brothers Farmers
Producer Company Limited at Village Bori In Gut No. 16 Tq. Ambad Dist.
Jalna" Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प
जागतिक बँक सहयित उपक्रम

Estimated Cost Rs. 5000000.00

Certificate

Name of work :- Construction of Warehouse For "Munjel Brothers Farmers Producer Company Limited at Village Bori In Gut No. 16 Tq. Ambad Dist. Jalna" Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प जागतिक बँक सहयित उपक्रम

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 maintenncance 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

Name of work :- Construction of Warehouse For "Munjaj Brothers Farmers Producer Company Limited at Village Bori In Gut No. 16 Tq. Ambad Dist. Jalna" Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प जागतिक बँक सहयित उपक्रम

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.

Name of work :- Construction of Warehouse For "Munjal Brothers Farmers Producer Company Limited at Village Bori In Gut No. 16 Tq. Ambad Dist. Jalna" Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प
जागतिक बँक सहयित उपक्रम

RECAPULATION SHEET

SR No	Items	Amount with Royalty & Lab Testing Charges	Amount without Royalty
1	2	3	4
1	Cost of Warehouse	4079347.00	3948518.00
2	Add 1% Labour Insurance on 3948518.00	39485.00	
3	Add 3% Electrification on 3948518.00	118456.00	
A	Total Rs (1+2+3)	4237288.00	
4	Add 18% GST on 4237288.00	762712.00	
B	Total Cost of Shade with GST (A+4)	5000000.00	

**Name of work :- Construction of Warehouse For "Munjel Brothers Farmers Producer Company Limited at Village Bori In Gut No. 16 Tq. Ambad 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	72.78	Cum	207.00	15065.00
2	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	47.23	Cum	1878.36	88715.00
3	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	255.82	Cum	818.98	209511.00
4	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, 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	23.73	Cum	6569.73	155900.00
5	Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, 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	11.89	Cum	7816.29	92936.00

It No	Item of work.	Qty	Unit	Rate	Amount
6	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including 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	9.39	Cum	14495.29	136111.00
7	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite/quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, 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	24.72	Cum	12981.29	320897.00
8	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including 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	4.97	Cum	14644.29	72773.00
9	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	3.92	MT	89938.34	352240.00

It No	Item of work.	Qty	Unit	Rate	Amount
10	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	0.44	MT	94371.34	41067.00
11	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	24.98	Cum	8176.97	204261.00
12	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	36.60	Cum	8656.97	316845.00
13	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	551.16	Sqm	1173.00	646511.00
14	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	181.86	Sqm	292.62	53216.00
15	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	410.48	Sqm	406.22	166745.00

It No	Item of work.	Qty	Unit	Rate	Amount
16	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	5.60	Sqm	119459.00	668970.00
17	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	31.50	Sqm	2097.00	66056.00
18	Providing and applying washable oil-bound distemper of approved colour and shade to old and new surfaces in two coats including scaffolding, preparing the surfaces. (excluding the primer coat.) etc. complete. SSR I.NO. 36.11 @ 48.00 Per Sqm	181.86	Sqm	48.00	8729.00
19	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 I.NO. 35.13 @ 79.00 Per Sqm	410.48	Sqm	79.00	32428.00
20	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	19.20	Sqm	4829.00	92717.00
21	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	25.20	Sqm	5502.00	138650.00
22	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	6.00	No	9702.00	58212.00

It No	Item of work.	Qty	Unit	Rate	Amount
23	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 3948518.00
Royalty Charges					
24	Qty of Material utilised for Royelty For Sand as per statement attatched	65.51	Cum	237.37	15550.00
25	Qty of Material utilised for Royelty For Without Sand as per statement attatched	319.66	Cum	216.18	69104.00
				Total Royalty Charges	Rs 84654.00
Lab Testing Charges					
26	BASIC TEST OF CEMENT: 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
27	BASIC TEST OF AGGREGATE: 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
28	BRICKS: 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
29	CONCRETE: 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
				Total Lab Testing Charges	Rs 46175.00
				Grand Total	Rs 4079347.00

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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	18	4.09	0.30	0.30	6.63	
	C1 to C18	18	1.50	1.50	1.50	60.75	
	Steps	2	3.00	2.00	0.45	5.40	
						Total Quantity	72.78 Cum
2	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	18	1.50	1.50	0.15	6.08	
	flooring	1	30.02	8.74	0.15	39.36	
	Steps	2	3.00	2.00	0.15	1.80	
						Total Quantity	47.23 Cum
3	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	30.02	8.74	0.98	255.82	
						Total Quantity	255.82 Cum
4	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, 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	18	1.50	1.50	0.10	4.05	
	Hall	1	30.02	8.74	0.075	19.68	
						Total Quantity	23.73 Cum
5	Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, 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 C18	18	1.35	1.35	0.23	7.55	

It No	Item of work.	No	Length	Breadth	Depth	Qty	Unit
	For Second Step Portion	18	1.05	1.05	0.23	4.35	
						Total Quantity	11.89 Cum

- 6** Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including 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

C1 to C18							
	Up to Ground Level	18	0.23	0.45	0.79	1.47	
	Up to Plinth Level	18	0.23	0.45	1.20	2.24	
	Up Above Plinth	18	0.23	0.45	3.05	5.68	
						Total Quantity	9.39 Cum

- 7** Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap /granite/quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade). SSR I.NO. 25.5 @ 12269.00 Per Cum

Plinth Beam							
	Gr I Outer Beams	18	4.09	0.23	0.38	6.43	
	Gr II Inner Beams (Tie Beam)	6	30.02	0.23	0.38	15.74	
Lintel Beam							
	Above Window and Shutter	18	4.09	0.23	0.15	2.54	
						Total Quantity	24.72 Cum

- 8** Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including 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	18	4.09	0.45	0.08	2.48	
Lintel Level							
	Above Window and Shutter	18	4.09	0.45	0.08	2.48	
						Total Quantity	4.97 Cum

- 9** 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	11.89	70.00	832.30
Qty Of Column	9.39	95.00	892.05

It No	Item of work.	No	Length	Breadth	Depth	Qty	Unit
	Qty of Beam		24.72	95.00		2348.40	
	Qty of chajja		4.97	56.12		278.87	
						4351.62	Kg
						4.35	
	90% of total Qty					3.92	Mt
	Total Quantity					3.92	Mt

- 10** 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	0.44	Mt
Total Quantity	0.44	Mt

- 11** 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	18	4.09	0.23	0.82	13.88
Total Quantity					24.98
					Cum

- 12** 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	18	4.09	0.23	3.00	50.80
					50.80
Deduction					
Shutter S	2	3.20	0.23	3.00	4.42
Window W	14	1.50	0.23	1.50	7.25
Deduct Lintel Beam Qty					2.54
Total Qty.					14.20
					Cum
Total Quantity					36.60
					Cum

It No	Item of work.	No	Length	Breadth	Depth	Qty	Unit
13	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	30.48		5.00	304.80	
	L/S & R/S Wall	2	9.20		3.00	55.20	
	Front & Rear Side Wall	2	30.48		3.00	182.88	
	For Gable End (1/2 x B x H)	4	0.50		4.60 0.90	8.28	
	Total Quantity					551.16	Sqm

- 14 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	30.02		3.00	180.12	
	C/W	2	8.74		3.00	52.44	
					Qty	232.56	Sqm
	Deduction						
	Shutter S	2	3.20		3.00	19.20	
	Window W	14	1.50		1.50	31.50	
					Qty	50.70	
	Total Quantity					181.86	Sqm

- 15 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	30.48		4.50	274.32	
	C/W	2	9.20		4.50	82.80	
	Column offset	28	0.30		4.50	37.80	
	Chajja	18	4.09		0.45 2	66.26	
					Qty	461.18	Sqm
	Deduction						
	Shutter S	2	3.20		3.00	19.20	
	Window W	14	1.50		1.50	31.50	
					Qty	50.70	
	Total Quantity					410.48	Sqm

It No	Item of work.	No	Length	Breadth	Depth	Qty	Unit
16	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 30.48 x 9.20 = 280.00 Sqm Medium Duty 20 kg Per Sqm 280 x 20 = 5600 kG					5.60	Mt
						Total Quantity	5.60 Mt
17	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 14	1.50		1.50	31.50	
						Total Quantity	31.50 Sqm
18	Providing and applying washable oil-bound distemper of approved colour and shade to old and new surfaces in two coats including scaffolding, preparing the surfaces. (excluding the primer coat.) etc. complete. SSR I.NO. 36.11 @ 48.00 Per Sqm						
						Qty. as per Item No.15	181.86 Sqm
19	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 I.NO. 35.13 @ 79.00 Per Sqm						
						Qty. as per Item No.16	410.48 Sqm
20	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	3.20		3.00	19.20	
						Total Quantity	19.20 Sqm

It No	Item of work.	No	Length	Breadth	Depth	Qty	Unit
21	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 14	1.20		1.50	25.20	
						Total Quantity	25.20 Sqm
22	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	6				6.00	
						Total Quantity	6.00 No
23	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	
						Total Quantity	1.00 No
24	Qty of Material utilised for Royelty For Sand as per statement attached					65.51	
						Total Quantity	65.51 Cum
25	Qty of Material utilised for Royelty For Without Sand as per statement attached					319.66	
						Total Quantity	319.66 Cum

Name of work :- Construction of Warehouse For "Munjel Brothers Farmers Producer Company Limited at Village Bori In Gut No. 16 Tq. Ambad Dist. Jalna" Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प जागतिक बँक सहयित 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 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	363.07
Add Lead charges for sand	0.15	888.61
		133.29
Total Rate		1878.36 /Cum

- 3 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	219.98
		219.98
Total Rate		818.98 /Cum

- 4 Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, 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	284.41
Add lead charges for Crushed metal	0.24	296.77
Add Lead charges for sand	0.47	888.61
Add Lead charges for cement	0.22	235.34
		51.77
Total Rate		6569.73 /Cum

- 5 Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, 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

Basic Rate as per SSR 2022-2023		7104.00
Add lead charges for metal	0.85	296.77
Add Lead charges for sand	0.425	888.61
Add Lead charges for cement	0.35	235.34
		82.37

Rate Analysis

Total Rate	7816.29 /Cum
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- 6 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including 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

Basic Rate as per SSR 2022-2023	13783.00
Add lead charges for metal	0.85 296.77 252.26
Add Lead charges for sand	0.425 888.61 377.66
Add Lead charges for cement	0.35 235.34 82.37
Total Rate	14495.29 /Cum

- 7 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite/quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade). SSR I.NO. 25.5 @ 12269.00 Per Cum

Basic Rate as per SSR 2022-2023	12269.00
Add lead charges for metal	0.85 296.77 252.26
Add Lead charges for sand	0.425 888.61 377.66
Add Lead charges for cement	0.35 235.34 82.37
Total Rate	12981.29 /Cum

- 8 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including 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

Basic Rate as per SSR 2022-2023	13932.00
Add lead charges for metal	0.85 296.77 252.26
Add Lead charges for sand	0.425 888.61 377.66
Add Lead charges for cement	0.35 235.34 82.37
Total Rate	14644.29 /Cum

- 9 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, arches, 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

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

Rate Analysis

- 10 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

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

- 11 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

Basic Rate as per SSR 2022-2023	7514.00
Add lead charges for Brick	0.475 757.93 360.02
Add Lead charges for sand	0.32 888.61 284.36
Add Lead charges for cement	0.079 235.34 18.59
Total Rate	8176.97 /Cum

- 12 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

Basic Rate as per SSR 2022-2023	7994.00
Add lead charges for Brick	0.475 757.93 360.02
Add Lead charges for sand	0.32 888.61 284.36
Add Lead charges for cement	0.079 235.34 18.59
Total Rate	8656.97 /Cum

- 13 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

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

- 14 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

Basic Rate as per SSR 2022-2023	278.00
Add Lead Charges for Sand	0.015 888.61 13.33
Add Lead Charges For Cement	0.0055 235.34 1.29
Total Rate	292.62 /Sqm

- 15 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

Rate Analysis

Basic Rate as per SSR 2022-2023		382.00
Add Lead Charges for Sand	0.025 888.61	22.22
Add Lead Charges For Cement	0.0085 235.34	2.00
Total Rate		406.22 /Sqm

- 16** 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

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

- 17** 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

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

- 18** Providing and applying washable oil-bound distemper of approved colour and shade to old and new surfaces in two coats including scaffolding, preparing the surfaces. (excluding the primer coat.) etc. complete. SSR I.NO. 36.11 @ 48.00 Per Sqm

Basic Rate as per SSR 2022-2023		48.00
Total Rate		48.00 /Sqm

- 19** 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 I.NO. 35.13 @ 79.00 Per Sqm

Basic Rate as per SSR 2022-2023		79.00
Total Rate		79.00 /Sqm

- 20** 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

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

Rate Analysis

- 21** 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

Basic Rate as per SSR 2022-2023

5502.00

Total Rate	5502.00 /Sqm
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- 22** 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

Basic Rate as per SSR 2022-2023

9702.00

Total Rate	9702.00 /No
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- 23** 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
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Name of work :- Construction of Warehouse For "Munjal Brothers Farmers Producer Company Limited at Village Bori In Gut No. 16 Tq. Ambad 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
2	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	47.23	Cum	1.00	47.23								
3	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.	255.82	Sqm							1.00	255.82		
4	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, 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	23.73	Cum	0.70	16.61	0.24	5.70	0.47	11.15			4.40	

Name of work :- Construction of Warehouse For "Munjali Brothers Farmers Producer Company Limited at Village Bori In Gut No. 16 Tq. Ambad 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
5	Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, 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	11.89	Sqm			0.85	10.11	0.425	5.05			7.00	83.23

Name of work :- Construction of Warehouse For "Munjal Brothers Farmers Producer Company Limited at Village Bori In Gut No. 16 Tq. Ambad 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
6	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including 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	9.39	Cum			0.85	7.98	0.425	3.99			7.00	65.73

Name of work :- Construction of Warehouse For "Munjal Brothers Farmers Producer Company Limited at Village Bori In Gut No. 16 Tq. Ambad 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. 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	24.72	Cum			0.85	21.01	0.425	10.51			7.00	173.04

Name of work :- Construction of Warehouse For "Munjal Brothers Farmers Producer Company Limited at Village Bori In Gut No. 16 Tq. Ambad 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 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	4.97	Cum			0.85	4.22	0.425	2.11			7.00	34.79
11	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	24.98	Cum					0.32	7.99			1.58	39.47
12	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	36.60	Cum					0.32	11.71			1.58	57.83

Name of work :- Construction of Warehouse For "Munjal Brothers Farmers Producer Company Limited at Village Bori In Gut No. 16 Tq. Ambad Dist. Jalna"
Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प
जागतिक बँक सहयित उपक्रम

Royalty Charges & Material Requirement for the work

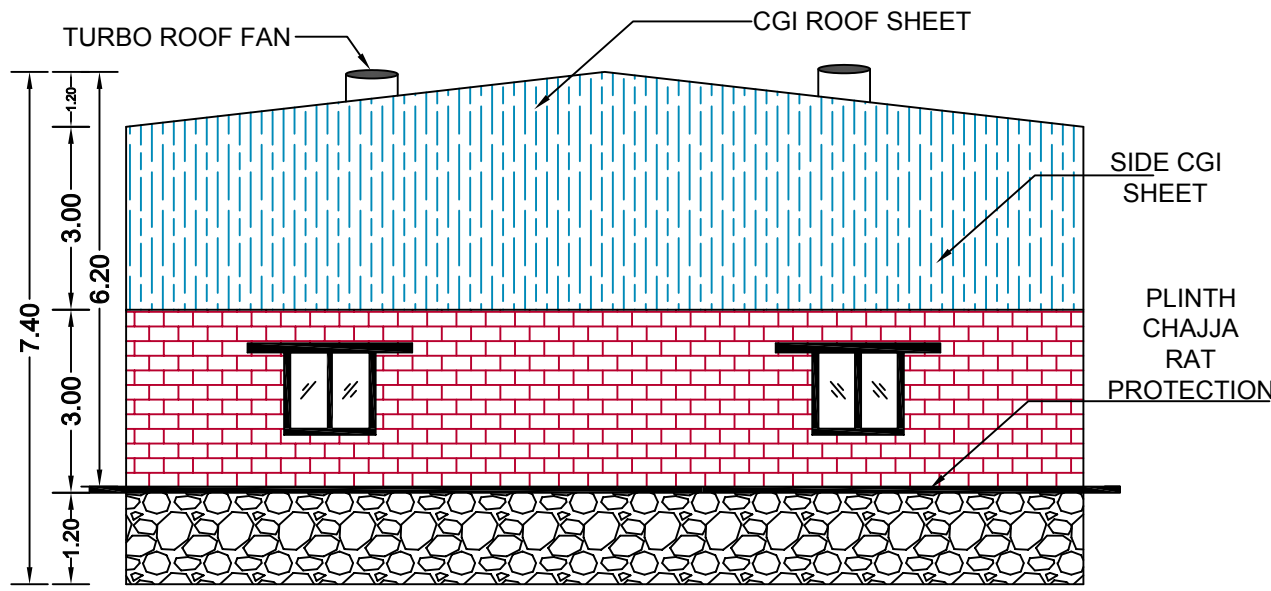
Sr.No	Item of work	Qty	Unit	Metal Above 40 mm		Metal Below 40 mm		Sand		Soft / Hard Murum		Cement		
				Rate	Qty	Rate	Qty	Rate	Qty	Rate	Qty	Rate	Qty	
14	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete. SSR I.NO. 32.04 @ 278.00 Per Sqm	181.86	Sqm					0.015	2.73			0.11	20.00	
15	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	410.48	Sqm					0.025	10.26			0.17	69.78	
Grant Total					63.84	Cum	49.02	Cum	65.51	Cum	255.82	Cum	544.00	Bags
Pay Load Factor for tractor					2.50		2.50		2.50		2.50			
Total Trips					25.54		19.61		26.20		102.33			
Trip Rounded					26.00		20.00		26.00		102.00		544.00	Bags

Total Qty of Royalty For Sand	65.51 Cum	237.37	=	15550.00
Total Qty of Royalty For Without Sand	319.66 Cum	216.18	=	69104.00
Total Amount of Royalty Rs				84654.00

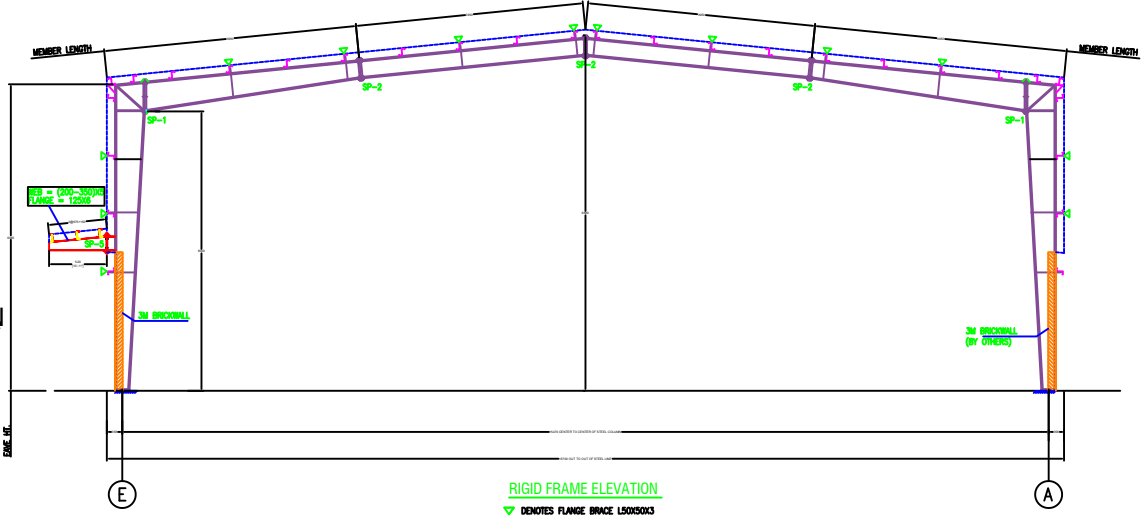
Name of work :- Construction of Warehouse For "Munjaj Brothers Farmers Producer Company Limited at Village Bori In Gut No. 16 Tq. Ambad Dist. Jalna" Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प जागतिक बँक सहयित उपक्रम

LEAD CHART

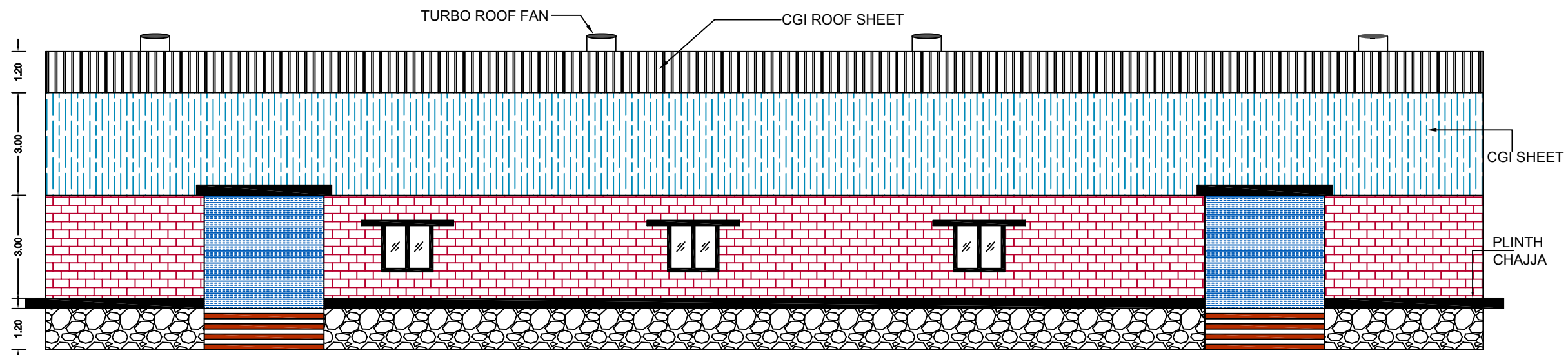
Sr. No	Name of Material	Name of Quarry	Lead in Km	Lead Charges
1	2	3	4	5
1	Rubble	Antarwala	7.00	363.07
2	40 mm Metal	Antarwala	7.00	284.41
3	Crushed Metal	Antarwala	7.00	296.77
4	Sand	Godawari River	50.00	888.61
5	Cement	Jalna	10.00	235.34
6	Brick	Jalna	10.00	757.93
7	Steel	Jalna	10.00	235.34
8	Hard Murum	Local	3.00	219.98



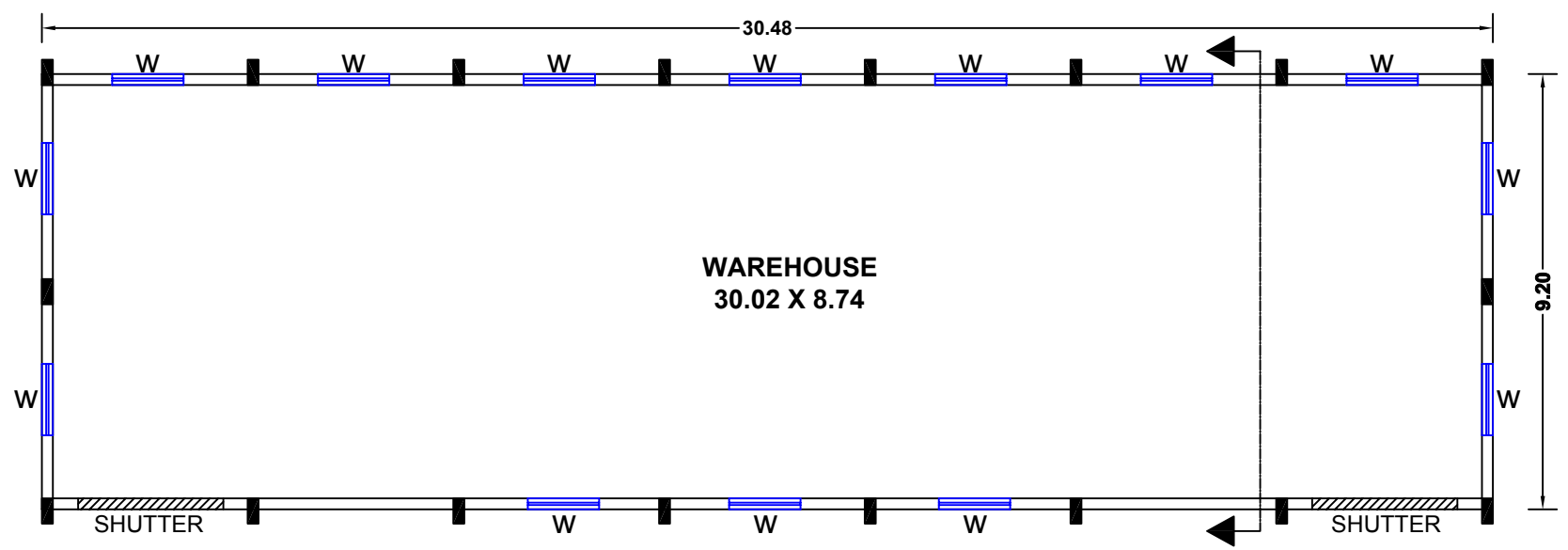
SIDE ELEVATION



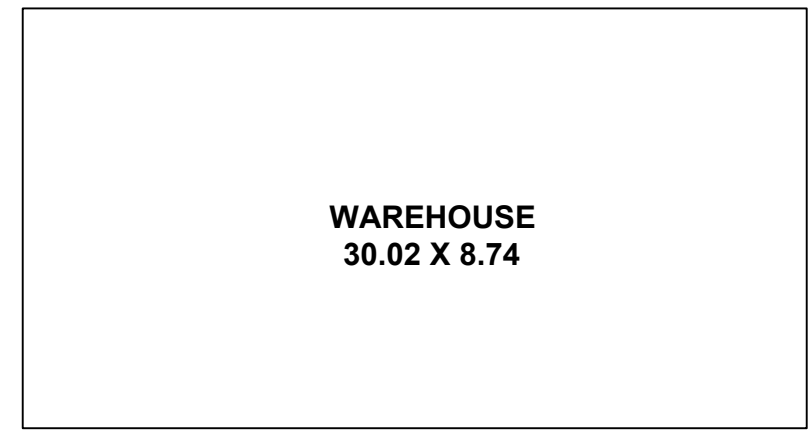
SECTION



FRONT ELEVATION



PLAN



BLOCK PLAN

AREA STATEMENT

TOTAL B/UP AREA (P-LINE)
 30.48 X 9.20 = 280.41 SQ.M.
Say 280.00 Sqm
CAP: 700 MT

SCHEDULE OF OPENING

S. No.	Particular	No.	Size	Description
1	Window 3 TRACK	3x1	1.50 X 1.50	ALUMINIUM SLIDING
2	ROLLING SHUTTER	2	3.25 X 3.00	M.S. ROLLING SHUTTER
3	Turbo Fan 24"	6		Wind Operated

NAME OF APPLICANT/PRESIDENT:

Vilas Prabhakar Munjal
 "Munjla Brothers Farmers Producer Company Limited at Village Bori In Gut No. 16 Tq. Ambad Dist. Jalna"

PRESIDENT'S SIGN

REFERENCES

ALL DIMENSION ARE IN METER
 R.C.C. FRAMED STRUCTURE, CGI ROOF
 SCALE: NTS : 1:100, 1:200, 1:500
 UNLESS NOTED
 SUB MESSON DRAWING



NORTH

TITLE

Construction of Warehouse
 For "Munjla Brothers Farmers Producer Company Limited at Village Bori In Gut No. 16 Tq. Ambad Dist. Jalna" Under मा. बाळासाहेब ठाकरे कृषि व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प जागतिक बँक सहयित उपक्रम