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**Name of work :- Estimate for Construction of Godown Shed
on Survey No. 49/1, at Hamlapuri Po.- Nagardhan, Tah.- Ramtek,
Dist:-Nagpur.**

Belonging To : Matoshree Agro Framer Producer Co.Ltd

Land Owner : Lachchiram Kashiram Badule

Estimated Cost :-	11680000.00
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GENERAL REPORT

1 Name Of Work :- Name of work :- Estimate for Construction of Godown Shed on Survey No. 49/1, at Hamlapuri Po.- Nagardhan, Tah.- Ramtek, Dist:- Nagpur.

Belonging To :- Matoshree Agro Framer Producer Co.Ltd

Land Owner :- Lachchiram Kashiram Badule

2 Estimated Cost :- 11680000.00

3 Necessity :-

4 Provisions :-

- 1 Excavation for foundation
- 2 80 mm metal soiling
- 3 Filling with murrum
- 4 Cement Concrete M-10 P.C.C.
- 5 M -20 For Raft, Column & Beam
- 6 TMT - FE - 500 bar reinforcement
- 7 Structural steel work in trusses
- 8 Fly ash brick masonry for foundation plinth & superstructure
- 9 M-15 for coping
- 10 Internal cement plaster 12mm thick & 20mm plaster externally
- 11 Flooring & Painting
- 12 Profiled sheets for roofing
- 13 Rolling Shutter & Steel Ventilators

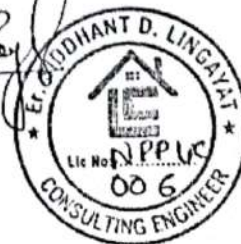
5 Prepared by

Er.

Contact :- 9975483666

6 Rate & Specifications :- As per PWD SSR for year 2022-23. The work shall be carried out strickly according to standard specifications of Govt. of Mah. PWD.

Estimator Engg.



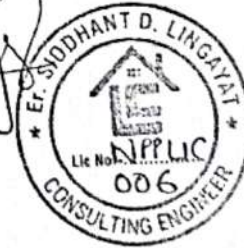
Name of work :- Estimate for Construction of Godown Shed
on Survey No. 49/1, at Hamlapuri Po.- Nagardhan, Tah.- Ramtek,
Dist:-Nagpur.

GENERAL ABSTRACT

Sr. No.	Item Of Work		Full Amount
1	Civil Cost (Shed)	Rs	9194302.00
	Add 3% for Electrification	Rs	275829.00
	Add 3% for Water Supply & Sanitary Arrangement	Rs	275829.00
	Total Civil Cost	Rs	9745960.00
2	Royalty	Rs	115153.00
3	Testing Charges	Rs	37545.00
		Rs	9898658.00
4	Add 18% GST	Rs	1781758.00
	TOTAL AMOUNT	Rs.	11680000.00
		Rs.	11680000.00

Estimator Engg.

Er.



Name of work :- Estimate for Construction of Godown Shed on Survey No. 49/1, at Hamlapuri Po.- Nagardhan, Tah.- Ramtek, Dist:-Nagpur.

ABSTRACT SHEET

Sr. No.	DESCRIPTION	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 2022-23 Item no 21.02 Page No 153)	137.700	Cum	215.30	29647.00
b	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				
	(SSR 2022-23 Item no 21.04 Page No 197)	91.800	Cum	268.30	24630.00
2	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete				
	(SSR 2022-23 Item no 21.40 Page No 157)	104.640	Cum	2453.50	256734.00
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 2022-23 Item no 21.37 Page No 157)	212.030	Cum	953.75	202224.00
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 (Natural Sand / Crushed sand VSI Grade finely washed etc)				
	(SSR 2022-23 Item no 24.01 Page No 175)	74.350	Cum	7022.85	522149.00

Sr. No.	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
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 (Natural Sand / Crushed sand VSI Grade finely washed etc				
	(SSR 2022-23 Item no 25.11 Page No 178)	89.250	Cum	8266.80	737812.00
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 (Natural Sand / Crushed sand VSI Grade finely				
	(SSR 2022-23 Item no 25.31 Page No 179)	31.540	Cum	15212.95	479815.00
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, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc)				
	(SSR 2022-23 Item no 25.50 Page No.181)	67.150	Cum	13638.40	915819.00
8	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 2022-23 Item no 26.33 Page No 188)	20.832	Mt	93291.10	1943422.00
9	Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in foundation and plinth including bailing out water manually striking joints, racking out joints watering and scaffolding etc. complete.				
	(SSR 2022-23 Item no 27.12 Page No 198)	28.060	Cum	7516.80	210921.00

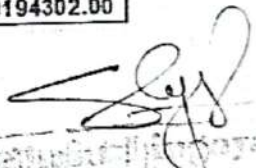
Sr. No.	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
10	Providing fly ash brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete				
	(SSR 2022-23 Item no 27.13 Page No 198)	102.270	Cum	7747.70	792357.00
11	Providing and laying Cast In situ/Ready Mix cement concrete M-15 of v trap / granite / quartzite / gneiss metal for coping to plinth or parapet, moulded or chamfered as per drawing or as directed including steel centering, plywood/ steel formwork compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.) With fine				
	(SSR 2022-23 Item no 24.16 Page No 177)	1.600	Cum	7658.55	12254.00
12	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces, in all position including scaffolding and curing etc. complete.				
	(SSR 2022-23 Item no 32.04 Page No 209)	533.940	Sqm	298.10	159168.00
13	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 2022-23 Item No. No.32.07 Page No.209)	632.390	Sqm	412.25	260703.00
14	Providing and applying washable oil-bound distemper of approved colour and shade to old and new surfaces in two coats including surfaces.....etc. complete.				
	(SSR 2022-23 Item no 36.11 Page No 227)	533.940	Sqm	49.90	26644.00
15	Providing and applying two coats of exterior weather shield paint of approved manufacture and of approved colour to the plastered surfaces including cleaning, preparing the plaster surface, applying primer coat, scaffolding if necessary, and watering the surface for two days etc complete.				
	(SSR 2022-23 Item no.35.26 Page No. 225)	632.390	Sqm	306.80	194017.00
16	Providing and laying cement concrete flooring 40 mm thick with M15 cement concrete laid to proper level and slope in alternate bays including compaction, filling joints, marking lines to give the appearance of tiles of 30 cm x 30 cm or other size laid diagonally/ square etc finishing smooth (with extra cement) in any colour as directed and curing etc. complete. With Crushed Sand.				
	(SSR 2022-23 Item no 33.10 Page No 214)	610.990	Sqm	619.60	378569.00

Sr. No.	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
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 2022-23 Item no 23.04 Page No.173)	2.082	MT	124237.35	258715.00
18	Providing and fabricating structural steel work in rolled sections, fixed with connecting plates or angle cleats in main and cross beams, hip and jack rafters, purlins connecting to truss members and the like, as per detailed designs and drawing or as directed including cutting, fabricating, hoisting, erecting, fixing in position, making riveted/ bolted/ welded connections and one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade.... etc.complete				
	(SSR 2022-23 Item no 23.02 Page No.173)	3.026	MT	101669.35	307622.00
19	Providing and fixing plain zinc sheeting of 0.80 mm thick (22 B.W.G.) over the ridge hip or valley to galvanised iron sheet roofing including all fastening and bolt galvanised iron screws and bolts and lead and bitumen washers complete. (Weight of 6.8 Kg/Sq.m.)				
	(SSR 2022-23 Item no 38.05 Page No 233)	37.300	Sqm	1184.55	44184.00
20	Providing and fixing colour coated Zintalume (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 2022-23 Item no 38.34 Page No 236)	808.080	Sqm	1219.90	985777.00

Sr. No.	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
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 2022-23 Item no 39.24 Page No. 248)	85.800	Sqm	5022.15	430900.00
22	Providing and fixing steel ventilator fully glazed partly fixed as per detailed drawing without hot dip zinc coating including fabricating glazing with plain / obscured glass panes 5 mm thick and approved type and quality and iron oxidized fixtures and fastening oil paint 2 coats etc. complete.				
	(SSR 2022-23 Item no 39.29 Page No. 249)	5.760	Sqm	3510.00	20218.00
TOTAL AMOUNT					9194302.00

Estimator Engg.

Er.


 [Stamp: Estimator/Engineer]
 [Stamp: Civil Engineering]

Name of work :- Estimate for Construction of Godown Shed on Survey No. 49/1, at Hamlapuri Po.- Nagardhan, Tah.- Ramtek, Dist:-Nagpur.

M E A S U R E M E N T S H E E T

Sr. No.	DESCRIPTION OF ITEMS	No.	Lgth.	Bdth.	Ht.	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 2022-23 Item no 21.02 Page No 153)						
	For Column C1 (300 X 450)	10	1.50	1.80	1.50	40.50	
	For Column C2 (300 X 450)	8	1.50	1.80	1.50	32.40	
	For Column C3 (350 X 450)	4	1.50	1.80	1.50	16.20	
	For Column C4 (230 X 350)	4	1.20	1.50	1.50	10.80	
	For Column CP (570 X 300)	8	2.10	1.50	1.50	37.80	
						137.70	Cum
b)	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 2022-23 Item no 21.04 Page No 187.)						
	For Column C1 (300 X 450)	10	1.50	1.80	1.00	27.00	
	For Column C2 (300 X 450)	8	1.50	1.80	1.00	21.60	
	For Column C3 (350 X 450)	4	1.50	1.80	1.00	10.80	
	For Column C4 (230 X 350)	4	1.20	1.50	1.00	7.20	
	For Column CP (570 X 300)	8	2.10	1.50	1.00	25.20	
						91.80	Cum
2	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete						
	(SSR 2022-23 Item no 21.40 Page No 157)						
	For Column C1 (300 X 450)	10	1.50	1.80	0.15	4.05	
	For Column C2 (300 X 450)	8	1.50	1.80	0.15	3.24	
	For Column C3 (350 X 450)	4	1.50	1.80	0.15	1.62	
	For Column C4 (230 X 350)	4	1.20	1.50	0.15	1.08	
	For Column CP (570 X 300)	8	2.10	1.50	0.15	3.78	
	Below Floor	1	30.02	19.35	0.15	87.13	
		4	4.18	1.49	0.15	3.74	
						104.64	Cum

Sr. No.	DESCRIPTION OF ITEMS	No.	Lgth.	Bdth.	Ht.	Qty.	Unit
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 2022-23 Item no 21.37 Page No 157)						
	Below Floor	1	30.02	19.35	0.35	203.31	
		4	4.18	1.49	0.35	8.72	
						212.03	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 (Natural Sand / Crushed sand VSI Grade finely washed etc) (SSR 2022-23 Item no 24.01 Page No 175)						
	For Column C1 (300 X 450)	10	1.50	1.80	0.15	4.05	
	For Column C2 (300 X 450)	8	1.50	1.80	0.15	3.24	
	For Column C3 (350 X 450)	4	1.50	1.80	0.15	1.62	
	For Column C4 (230 X 350)	4	1.20	1.50	0.15	1.08	
	For Column CP (570 X 300)	8	2.10	1.50	0.15	3.78	
	Below Floor	1	30.02	19.35	0.10	58.09	
		4	4.18	1.49	0.10	2.49	
						74.35	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 (Natural Sand / Crushed sand VSI Grade finely washed etc) (SSR 2022-23 Item no 25.11 Page No 178)						
	For Column C1 (300 X 450)	10	1.20	1.50	0.45	8.10	
	For Column C2 (300 X 450)	8	1.20	1.50	0.45	6.48	
	For Column C3 (350 X 450)	4	1.20	1.50	0.45	3.24	
	For Column C4 (230 X 350)	4	1.00	1.20	0.45	2.16	
	For Column CP (570 X 300)	8	1.80	1.20	0.45	7.78	
	Below Floor	1	30.02	18.35	0.10	58.09	
		4	4.72	1.80	0.10	3.40	

Sr. No.	DESCRIPTION OF ITEMS	No.	Lgth.	Bdth.	Ht.	Qty.	Unit
						89.25	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 (Natural Sand / Crushed sand VSI Grade finely washed..... etc.complete.						
	(SSR 2022-23 Item no 25.31 Page No 179)						
	For Column C1 (300 X 450)	10	0.30	0.45	8.25	11.14	
	For Column C2 (300 X 450)	8	0.30	0.45	8.25	8.91	
	For Column C3 (350 X 450)	4	0.35	0.45	8.25	5.20	
	For Column C4 (230 X 350)	4	0.23	0.35	8.25	2.66	
	For Column CP (570 X 300)	8	0.57	0.30	2.65	3.63	
						31.54	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 (Natural Sand / Crushed sand VSI Grade finely washed etc)						
	(SSR 2022-23 Item no 25.50 Page No.181)						
	GB(350X450)	12	4.70	0.35	0.45	8.88	
		24	4.72	0.35	0.45	17.84	
		14	3.59	0.35	0.45	7.92	
		21	3.66	0.35	0.45	12.11	
		4	4.18	0.35	0.45	2.63	
		8	1.49	0.35	0.45	1.88	
	DB(340X300)	4	4.70	0.34	0.30	1.92	
		8	4.72	0.34	0.30	3.85	
		4	3.59	0.34	0.30	1.46	
		6	3.66	0.34	0.30	2.24	
	EB(230X300)	4	4.70	0.23	0.30	1.30	
		8	4.72	0.23	0.30	2.61	
		4	3.59	0.23	0.30	0.99	

Sr. No.	DESCRIPTION OF ITEMS	No.	Lgth.	Bdth.	Ht.	Qty.	Unit
		6	3.66	0.23	0.30	1.52	
						67.15	Cum
8	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, parapets, 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 2022-23 Item no 26.33 Page No 188)						
	for Raft (Qty as per item no 6)	89.25	x	100.00	Kg/cum	8925.00	
	for Column (Qty as per item no 7)	31.54	x	120.00	Kg/cum	3784.80	
	for Beam & lintel (Qty as per item no 8)	67.15	x	120.00	Kg/cum	8058.00	
	for Coping (Qty as per item no 12)	1.60	x	40.00	Kg/cum	64.00	
						20831.80	Kg
						20.83	Mt
9	Providing fly ash brick masonry with conventional / I.S.-type fly ash bricks in C.M. 1:6 in foundation and plinth including bailing out water manually striking joints, raking out joints watering and scaffolding etc. complete.						
	(SSR 2022-23 Item no 27.12 Page No 198)						
		12	4.70	0.23	0.375	4.86	
		24	4.72	0.23	0.375	9.77	
		14	3.59	0.23	0.375	4.33	
		21	3.66	0.23	0.375	6.63	
		4	4.18	0.23	0.375	1.44	
		8	1.49	0.23	0.375	1.03	
						28.06	Cum
10	Providing fly ash 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 2022-23 Item no 27.13 Page No 198)						
	Superstructure	4	4.70	0.23	5.00	21.62	
		8	4.72	0.23	5.00	43.42	
		4	3.59	0.23	5.00	16.51	
		6	3.66	0.23	5.00	25.25	
	Gable Wall						
		2	36.28		0.23	16.69	
	Deduction						
	Rolling Shutter	4	3.90	0.23	5.50	-19.73	
	V	18	0.60	0.23	0.60	-1.49	
						102.27	Cum

Sr. No.	DESCRIPTION OF ITEMS	No.	Lgth.	Bdth.	Ht.	Qty.	Unit
11	Providing and laying Cast in situ/Ready Mix cement concrete M-15 of v trap / granite / quartzite / gneiss metal for coping to plinth or parapet, moulded or chamfered as per drawing or as directed including steel centering, plywood/ steel formwork compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.) With fine aggregate. (Natural Sand / Crushed sand VSI Grade finely washed etc)						
	(SSR 2022-23 Item no 24.16 Page No 177)						
	Superstructure	4	4.70	0.23	0.075	0.32	
		8	4.72	0.23	0.075	0.65	
		4	3.59	0.23	0.075	0.25	
		6	3.66	0.23	0.075	0.38	
						1.60	Cum
12	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces, in all position including scaffolding and curing etc. complete.						
	(SSR 2022-23 Item no 32.04 Page No 209)						
	Inner Wall	2	30.02		5.60	336.22	
		2	19.35		5.60	216.72	
	Gable Wall	2	36.28			72.56	
	Deduction						
	Rolling Shutter	4	3.90		5.50	-85.80	
	V1	16	0.60		0.60	-5.76	
						533.94	Sqm
13	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 2022-23 Item No. No.32.07 Page No.209)						
	Outer Wall	2	30.48		5.60	341.38	
		2	19.81		5.60	221.87	
	Gable Wall	2	36.28			72.56	
		4	4.18		0.75	12.54	
		8	1.80		0.75	10.80	
	Deduction						
	Rolling Shutter	4	2.10		2.50	-21.00	
	V1	16	0.60		0.60	-5.76	
						632.39	Sqm
14	Providing and applying washable oil-bound distemper of approved colour and shade to old and new surfaces in two coats including surfaces.....etc. complete.						
	(SSR 2022-23 Item no 36.11 Page No 227)						
						Qty as per item no 14	
						533.94	Sqm

Sr. No.	DESCRIPTION OF ITEMS	No.	Lgth.	Bdth.	Ht.	Qty.	Unit
15	Providing and applying two coats of exterior weather shield paint of approved manufacture and of approved colour to the plastered surfaces including cleaning, preparing the plaster surface						
	(SSR 2022-23 Item no.35.26 Page No. 225)					632.39	Sqm
16	Providing and laying cement concrete flooring 40 mm thick with M15 cement concrete laid to proper level and slope in alternate bays including compaction, filling joints, marking lines to give the appearance of tiles of 30 cm x 30 cm or other size laid diagonally/ square etc finishing smooth (with extra cement) in any colour as directed and curing etc. complete. With Crushed Sand.						
	(SSR 2022-23 Item no 33.10 Page No 214)	1	30.02	19.35		580.89	
		4	4.18	1.80		30.10	
						610.99	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 2022-23 Item no 23.04 Page No.173)	Nos	L	W	Conc	Qty	
	For Truss - Gusset Plats						
	10 Nos of Gusset For Size (300 x 450 x 10)mm	10	0.350	0.450	78.60	123.80	
	8 Nos of Gusset For Size (300 x 450 x 10)mm	8	0.300	0.450	78.60	84.89	
	4 Nos of Gusset For Size (350 x 450 x 10)mm	4	0.350	0.450	78.60	49.52	
	4 Nos of Gusset For Size (230 x 350 x 8)mm	4	0.230	0.350	62.80	20.22	
						For 1 Truss	278.43
						For 7 Truss	1948.99
							A
	Bolts (Nuts) (Grouted At Colm)						
	104 Nos of (16 x 500)mm Chemical Anchor Bolts	104		1.09		113.36	
	Bolts (Nuts) (fitted struss on I-Beam)						
	104 Nos of (16 x 80)mm Chemical Anchor Bolts	104		0.193		20.07	
						133.43	B
						A + B	2082.43
							2.08
							MT
18	Providing and fabricating structural steel work in rolled sections, fixed with connecting plates or angle cleats in main and cross beams, hip and jack rafters, purlins connecting to truss members and the like, as per detailed designs and drawing or as directed including cutting, fabricating, hoisting, erecting, fixing in position, making riveted/ bolted/ welded connections and one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade.....etc.complete						
	(SSR 2022-23 Item no 23.02 Page No.173)						
	M.S Angle (65 x 65 x 6)MM						

Sr. No.	DESCRIPTION OF ITEMS	No.	Lgth.	Bdth.	Ht.	Qty.	Unit
	Nos of M.S Angle Stret Bottom	1	19.81	@	5.80	114.90	
	Nos of M.S Angle Cross Top	2	11.65	@	5.80	135.14	
	M.S Angle (45 x 45 x 5)MM						
	Vertical Angle						
	1 Nos of M.S Angle	1	3.75	@	3.40	12.75	
	2 Nos of M.S Angle	2	1.39	@	3.40	9.45	
	2 Nos of M.S Angle	2	2.78	@	3.40	18.90	
	2 Nos of M.S Angle	2	1.81	@	3.40	12.31	
	2 Nos of M.S Angle	2	0.85	@	3.40	5.78	
	Cross Angle						
	2 Nos of M.S Angle	2	4.70	@	3.40	31.96	
	2 Nos of M.S Angle	2	1.68	@	3.40	11.42	
	4 Nos of M.S Angle	4	2.70	@	3.40	36.72	
	4 Nos of M.S Angle	4	1.95	@	3.40	26.52	
	2 Nos of M.S Angle	2	1.31	@	3.40	8.91	
	2 Nos of M.S Angle	2	1.10	@	3.40	7.48	
						432.24	
						3025.71	
						3.03	MT
19	Providing and fixing plain zinc sheeting of 0.80 mm thick (22 B.W.G.) over the ridge hip or valley to galvanised iron sheet roofing including all fastening and bolt galvanised iron screws and bolts and lead and bitumen washers complete. (Weight of 6.8 Kg/Sq.m.)						
	(SSR 2022-23 Item no 38.05 Page No 233)	1	31.08	0.60		18.65	
		2	31.08	0.30		18.65	
						37.30	Sqm
20	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. 850- 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)						

St. No.	DESCRIPTION OF ITEMS	No.	Lgth.	Bdth.	Ht.	Qty.	Unit
	(SSR 2022-23 Item no 38.34 Page No 236)						
	Roofing	2	31.08	13.00		808.08	Sqm
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 2022-23 Item no 39.24 Page No. 248)	4	3.90		5.5	85.80	Sqm
22	Providing and fixing steel ventilator fully glazed partly fixed as per detailed drawing without hot dip zinc coating including fabricating glazing with plain / obscured glass panes 5 mm thick and approved type and quality and iron oxidized fixtures and fastening oil paint 2 coats etc. complete.						
	(SSR 2022-23 Item no 39.29 Page No. 249)						
	V1	16	0.60		0.60	5.76	
						5.76	Sqm

Estimator Engg.

Er.

Civil Engineer

Name of work :- Estimate for Construction of Godown Shed on Survey No. 49/1, at Hamlapuri Po.- Nagardhan, Tah.- Ramtek, Dist:- Nagpur.

RATE ANALYSIS

ITEM NO	CSR REF	ITEM OF WORK	RATE	Deduct with pic SCADA	TRANSPORTATION			Total AMOUNT	Add MC Charges	TOTAL RATE	Rate Adopted
					MATERIAL	QTY	RATE				
1	Cum	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 2022-23 Item no 21.02 Page No 153)	207.00	128.00/-			0.00	207.00	4% 8.28	215.28	215.30
	Cum	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 2022-23 Item no 21.04 Page No 187)	258.00				0.00	258.00	10.32	268.32	268.30
2	Cum	Providing soiling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete (SSR 2022-23 Item no 21.40 Page No 157)	1454.00				941.36	1454.00	58.16	2453.52	2453.50
3	Cum	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 2022-23 Item no 21.37 Page No 157)	598.00				330.77	598.00	23.96	953.73	953.75

ITEM NO	CSR REF	ITEM OF WORK	RATE	Deduct with p/c SCADA	TRANSPORTATION				TOTAL RATE	Rate Adopted		
					MATERIAL	QTY	RATE	AMOUNT				
6	Cum	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 /tamping the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel)with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed (SSR 2022-23 Item no 25.31 Page No.179)	13783.00	126.00				1009.67	13657.00	546.28	15212.95	15212.95
7	Cum	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely aggregate (Natural Sand / Crushed sand VSI Grade finely (SSR 2022-23 Item no 25.50 Page No.181)	12269.00	126.00				1009.67	12143.00	485.72	13638.39	13638.40
8	MT	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 pards, 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 2022-23 Item no 26.33 Page No.186)	89703.00					0.00	89703.00	3588.12	93291.12	93291.10

ITEM NO	CSR REF	ITEM OF WORK	RATE	Deduct with p/c SCADA	TRANSPORTATION						TOTAL RATE	Rate Adopted	
					MATERIAL	QTY	RATE	AMOUNT	AMOUNT	Add MC Charges %			Total AMOUNT
9	Sqm	Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:3 in foundation and plinth including bolting out water manually striking joints, packing out joints, watering and scaffolding etc. complete. (SSR 2022-23 Item no 27.12 Page No 198)	6884.00						357.45	6984.00	275.36	7516.81	7516.80
					Brick	0.475	349.35	165.94					
					Sand	0.320	598.48	191.51					
					Cement	1.580	0.00	0.00					
10	Cum	Providing fly ash brick masonry with conventional / I.S. type bricks in cement mortar 1:3 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete (SSR 2022-23 Item no 27.13 Page No 198)	7106.00						357.45	7106.00	284.24	7747.89	7747.70
					Brick	0.475	349.35	165.94					
					Sand	0.320	598.48	191.51					
					Cement	1.580	0.00	0.00					
11	Sqm	Providing and laying Cast in situ/Ready Mix concrete M-15 of trap/granite/quartzite/gneiss metal for coping to plinth or parapet, moulded or chamfered as per drawing or as directed including steel centering, plywood/ steel framework, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plastic is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.) With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc)	6359.00						1045.21	6359.00	254.36	7658.57	7658.55
					Metal	0.89	888.61	790.66					
					Sand	0.425	598.48	254.35					
					Cement	5.000	0.00	0.00					
12	Sqm	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 without render finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete. (SSR 2022-23 Item no 32.04 Page No 209)	278.00						8.98	278.00	11.12	298.10	298.10
					Sand	0.015	598.48	8.98					
					Cement	0.110	0.00	0.00					
13	Sqm	Providing internal cement plaster 20mm thick in single coats in cement mortar 1:4 without render finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete (SSR 2022-23 Item No. No 32.07 Page No 209)	382.00						14.98	382.00	15.28	412.24	412.25
					Sand	0.025	598.48	14.98					

ITEM NO	CSR REF	ITEM OF WORK	RATE	Deduct with p/c SCADA	TRANSPORTATION				Total AMOUNT	Add MC Charges 4%	TOTAL RATE	Rate Adopted
					MATERIAL	QTY	RATE	AMOUNT				
				128.00	Cement	0.170	0.100	0.00				
14	Sqm	Providing and applying washable oil-bound distemper of approved colour and shade to old and new surfaces in two coats including surfaces etc complete. (SSR 2022-23 Item no 36.11 Page No 227)	48.00					0.00	48.00	1.92	49.92	49.90
15	Sqm	Providing and applying two coats of exterior weather shield paint of approved manufacture and of approved colour to the plastered surfaces including cleaning preparing the plaster surface applying primer coat scaffolding if necessary and watering the surface for two coats etc complete. (SSR 2022-23 Item no 35.26 Page No. 225)	285.00					0.00	285.00	11.80	306.80	306.80
16	Sqm	Providing and laying cement concrete flooring 40 mm thick with M15 cement concrete laid to proper level and slope in alternate bays including compaction, filling joints, marking lines to give the appearance of lines of 30 cm x 30 cm or other size laid diagonally square etc finishing smooth (with extra cement) in any colour as directed and curing etc complete. With Crushed Sand. (SSR 2022-23 Item no 33.10 Page No 214)	494.00					105.85	494.00	19.76	619.61	619.80
17	MT	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 2022-23 Item no 23.04 Page No.173)	119459.00					0.00	119459.00	4778.36	124237.36	124237.35
18	MT	Providing and fabricating structural steel work in rolled sections, fixed with connecting plates or angle cleats in main and cross beams, top and jack rafters, purlins connecting to truss members and the like, as per detailed designs and drawing or as directed including cutting, fabricating, hoisting, erecting, fixing in position, making riveted/ bolted/ welded connections and one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc complete.	97759.00					0.00	97759.00	3910.36	101669.36	101669.35

ITEM NO	CSR REF	ITEM OF WORK	RATE	Deduct with p/c. SCADA 15% 00/-	TRANSPORTATION				TOTAL RATE	Rate Adopted	
					MATERIAL	QTY	RATE	AMOUNT			
		(SSR 2022-23 Item no 23.02 Page No.173)									
19	Sqm	Providing and fixing plain zinc sheeting of 0.80 mm thick (22 B.W.G.) over the ridge hip of valley to galvanised iron sheet roofing including all fastening and bolt galvanised iron screws and bolts and lead and bitumen washers complete. Weight of 6.8 Kg/Sqm. (SSR 2022-23 Item no 39.05 Page No.233)	1139.00				0.00	1139.00	45.58	1184.58	1184.58
20	Sqm	Providing and fixing colour coated Zincalume (R) AZ150 (min 150 gms/sqm. 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), H-strength steel with min 560 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 x 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-Ti alloy coated, Hex head, self-drilling screw etc. complete. (weight of profile 4.52 Kg/sqm/One Square Metre) (SSR 2022-23 Item no 38.34 Page No.216)	1173.00				0.00	1173.00	46.92	1219.92	1219.90

ITEM NO	CSR REF	ITEM OF WORK	RATE	Deduct with plc SCADA	TRANSPORTATION				TOTAL AMOUNT	Add MC Charges	TOTAL RATE	Rate Adopted
					MATERIAL	QTY	RATE	AMOUNT				
21	Sqm	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 6 mm angle section fitted with locking bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 55 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 0.8 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 of mild steel and one coat of red lead primer etc. complete. (I.S. 6248/879) (Without mechanical gear)	4823.00	125.00/-				0.00	4823.00	4%	5022.16	5022.16
		(SSR 2022-23 Item no 39.24 Page No. 248)										
22	Sqm	Providing and fixing steel ventilator fully glazed, partly fixed as per detailed drawing without hot dip zinc coating including fabricating glazing with plain / obscured glass panes 5 mm thick and approved type and quality and iron welded fixtures and fastening oil paint 2 coats etc. complete	3375.00					0.00	3375.00	135.00	3510.00	3510.00
		(SSR 2022-23 Item no 38.29 Page No. 249)										

Estimator Engr.
 Sr. Assistant Engineer
 CIVIL Engineer

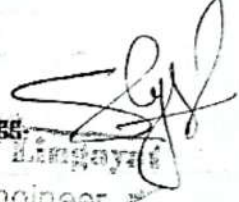
Name of work :- Estimate for Construction of Godown Shed on Survey No. 49/1, at Hamlapuri Po.- Nagardhan, Tah.- Ramtek, Dist:-Nagpur.

Statement of Royalty charges

Sr. No	Material	Qty	Frequency	Final Qty	Rate	Amount
1	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit,ramming, wateringetc. complete.					
	Metal (Hand Broken)	104.640	1.00	104.640	216.18	22621.00
	Sand	104.640	0.15	15.696	237.37	3726.00
2	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete					
	Murum	212.030	1.00	212.030	216.18	45837.00
3	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, 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 natural sand/V.S.I. quality Artificial Sand.					
	Sand	74.350	0.47	34.945	237.37	8295.00
4	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					
	Sand	89.250	0.425	37.931	237.37	9004.00

Sr. No	Material	Qty	Frequency	Final Qty	Rate	Amount
5	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					
	Sand	31.540	0.425	13.405	237.37	3182.00
6	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					
	Sand	67.150	0.425	28.539	237.37	6774.00
7	Providing and laying Cast in situ/Ready Mix cement concrete M-15 of trap/ granite/quartzite/gneiss metal for coping to plinth or parapet, moulded or chamfered as per drawing or as directed including steel centering, plywood/ steel formwork compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc.					
	Sand	1.600	0.425	0.680	237.37	161.00
8	Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in foundation and plinth including bailing out water manually striking joints, racking out joints watering and scaffolding etc. complete.					
	Sand	28.060	0.320	8.978	237.37	2131.00
9	Providing fly ash 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. Complet					
	Sand	102.270	0.320	32.726	237.37	7768.00

Sr. No	Material	Qty	Frequency	Final Qty	Rate	Amount
10	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:3 without neeru finish to concrete or brick surfaces, in all position including scaffolding and curing etc. complete.					
	Sand	533.940	0.015	8.009	237.37	1801.00
11	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					
	Sand	632.390	0.0250	15.810	237.37	3753.00
Total						115153.00


 Estimator Engg.
 Suddhakar Sampayak
 Er Civil Engineer

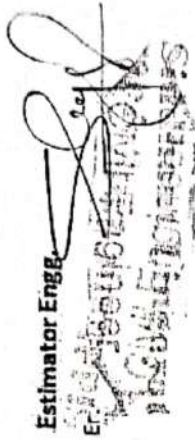
Name of work :- Estimate for Construction of Godown Shed on Survey No: 49/1, at Hamlapuri Po.- Nagardhan, Tah.- Ramtek, Dist:-Nagpur.

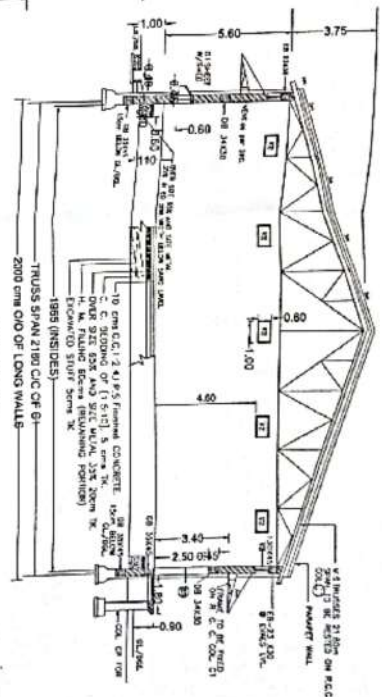
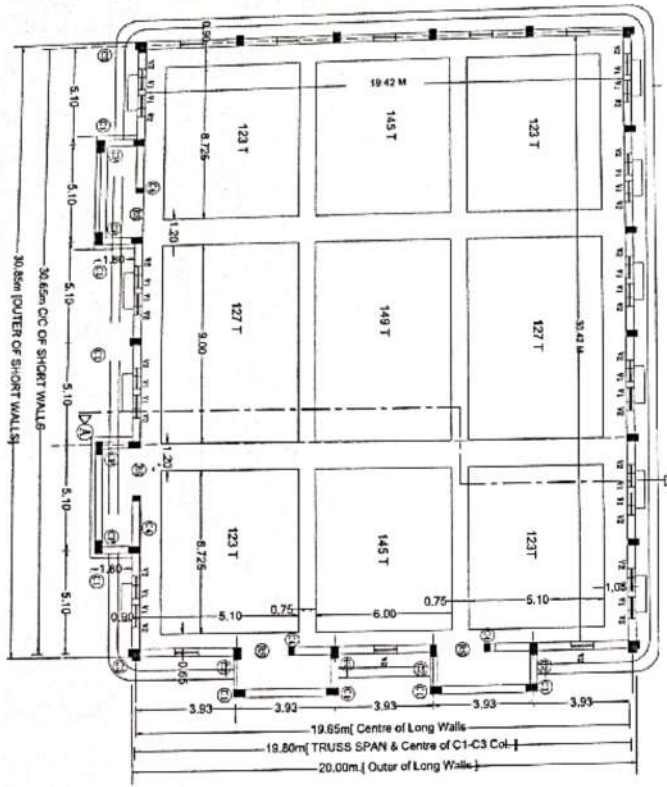
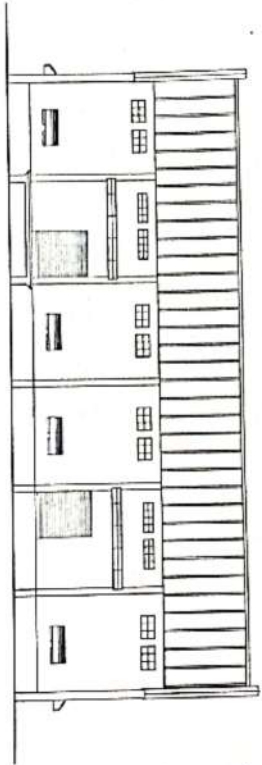
Statement of Frequency and Amount of Testing Charges

Sr. No	Item	Material	Final Qty	Qty	Frequency	No of Test	Rate	Amount	Test frequency
1	Metal 80mm	Providing rolling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.	104.84		1.00	1	2020.00	2020.00	Water Absorption, Specific Gravity, Impact Value Crushing Value.
2	Metal for Cement Concrete	1 Source 1 test	231.06			1	2600.00	2600.00	Water Absorption, Specific Gravity, Impact Value Crushing Value.
3	Cement Concrete								
	Cube	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including baling 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.	69.889	74.35	0.94				
	Cube	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 baling 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 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 gradient number 1, 2 or sufficient minimum thickness to give R	76.863	89.25	0.85	1	690.00	690.00	Compressive Strength OF C.C. Cube(Sat of 3 cubes).
	Cube		28.809	31.54	0.85	1	890.00	890.00	Compressive Strength OF C.C. Cube(Sat of 3 cubes).

Sr. No	Item	Material	Final Qty	Qty	Frequency	No of Test	Rate	Amount	Test frequency
	Cube	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite / quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade) finely washed etc.)	67.078	67.15	0.85	1	690.00	690.00	Compressive Strength OF C.C. Cube (Set of 3 cubes)
	Cube	Providing and laying Cast in situ/Ready Mix cement concrete M-15 of trap/ granite/quartzite/gneiss metal for coping to plinth or parapet, moulded or chartered as per drawing or as directed including steel centering, plywood/ steel formwork compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surfaces and Total Qty Cement M-10	1.424	1.50	0.99	1			
		Total Qty Cement M-20	327.14	74.35	4.40 Bag				
		Total Qty Cement M-15	1315.68	197.94	7.00 Bag				
		Total Qty Cement M-10	9.50	1.600	6.0 Bag				
4	Plaster								
		Total Qty Cement Plaster 12mm 1:4	58.73	533.94	0.11 Bag				
		Total Qty Cement Plaster 20mm 1:4	107.51	832.39	0.17 Bag				
5	Cement	Total Cement Bags	1818.62	1 test per 1000 Bag		2	3770.00	7540.00	Standard Consistency Fineness, Specific Gravity, Setting Time (Initial & Final), Compressive Strength, Soundness
6	Mix design	M-25				1	13755.00	13755.00	
7	Mortar	1 Test 400 Cum	212.03	212.03	1	1	690.00	690.00	Slave Analysis.
8	Bricks	Second Class Brick	61.91	130.33	0.475	1	1170.00	1170.00	Liquid Limit & Plastic Limit
		Second Class Half Brick	9.89	15.84	0.057				
		Total Bricks	62.40	50000 Brick 1 test		1	2175.00	2175.00	Water Absorption (Set of 15 Bricks), Compressive Strength (Set of 5 Bricks), Efflorescence (Set of 5 Bricks)
9	Sand			1 Source 1 test		1	1380.00	1380.00	Fineness Modulus (Sieve Analysis), Silt & Clay Content

Sl. No	Item	Material	Final Qty	Qty	Frequency	No of Test	Rate	Amount	Test frequency
10	Steel	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, newells, chajjas, lintels, parris, copings, fins, arches	20.83			2	1275.00	2550.00	Upto 16 mm (Set of 3 Bars)
	Steel	Above 16mm				1	1595.00	1595.00	i) Compressive Strength ii) Water absorption
6	Paver Block	Paver Block					2485.00	0.00	
Total								37545.00	
Say								37545.00	

Estimator Engg.




BUILT UP AREA CALCULATIONS
 MAIN BUILDING: 20.00 X 31.80 = 637.00 SQ.M
 PATIWAYS: 4 X 5.10 X 1.80 = 36.72 SQ.M
 TOTAL B.U. AREA = 673.72 SQ.M

SCHEDULE OF R. C. C. COLUMNS.

TYPE	SIZE	NO. REMARKS
C1	30 X 45	10 @ LONG WALLS
C2	30 X 45	8 @ GABLE WALLS
C3	35 X 45	4 @ GABLE WALLS
C4	23 X 35	4 TO BE POSTED ON DB @ RS PLYMELS
CP	57 X 30	8 FOR PLATFORMS BELOW BEAM.

SCHEDULE OF ROLLING SHUTTERS/VENTILATORS

TYPE	SIZE (H x W)	NO.	DESCRIPTION
RS	210 X 230	4	ROLLING SHUTTERS FOR STORES
V1	60 X 19	16	VENTILATORS FOR STORES
V2	120 X 80	26	VENTILATORS FOR STORES
V3	130 X 40	8	VENTILATORS FOR STORES

JOB TITLE
 PROPOSED PLAN FOR WARE HOUSE SHED CONSTRUCTION ON SURVEY NO. 491 AT HAMILAPURI GRAMPANCHAYAT CHICALA, POSTMANGARDHAN TAL. RAMTEK DIST. NAGPUR. BELONGING TO MATOSHREE AGRO FARMER PRODUCER CO LTD

LAND OWNER: LACHHIRAM KASHIRAM BAUDLE

AREA STATEMENT
 TOTAL PLOT AREA :- [AS PER C.S. RECORD] = 2.37 HECTOR
 PROPOSED B.U.P. AREA A = 20 X 31.85 = 637.00 SQ.M.
 PROPOSED B.U.P. AREA B = 4.5 X 10 X 1.8 = 36.72 SQ.M.
 TOTAL B.U.P. AREA (A+B) = 673.72 SQ.M.

SCHEDULE OF OPENING

D	1.00 X 2.10	NON CTW DOOR
D1	1.00 X 2.10	SOLID CORE FLUSH DOOR
D2	0.75 X 2.10	PVC DOOR
W	1.50 X 1.20	ALUMINIUM GLAZED WINDOW
W1	0.80 X 1.20	ALUMINIUM GLAZED WINDOW
V	0.60 X 0.60	M.S VENTILATOR

PILOT BOUNDARY SHOWN THUS
PROPOSED CONSTRUCTION SHOWN THUS

OWNER NAME & SIGN
 ARCHITECT: LACHHIRAM KASHIRAM BAUDLE
 DATE: 11/02/2022
 SCALE: 1:100, 1:200, 1:500
 DRAWN BY: [Signature]

ARCHITECT'S SEAL: LACHHIRAM KASHIRAM BAUDLE, CIVIL ENGINEER, REG. NO. 10053, DIST. NAGPUR.