



## DETAILED ESTIMATE

**For**

**-: NAME OF WORK :-**

**Construction of 1000 MT Godown For Jay Anant  
Farmers Producer Compony Lmted. At Nawali  
Tq.Risod Dist.Washim**

**Rs. 11521000**

**“ESTIMATE”**

Division : Z.P. Works, Division,  
Washim.

Sanctioned Estimate No. :

Fund Head :

Major Head :

Minor Head :

Service Head :

Departmental Head :



Estimate framed in the Office of Civil Engineer  
the probable expenses that will be incurred in  
**Construction of 1000 MT Godown For Jay Anant Farmers Producer Compony Lmted. At Nawali  
Tq.Risod Dist.Washim**

0

**Rs. 11521000**

Administratively Approved Under 2021-22

Technically Sanctioned under 2021-22

No. Dated

Estimate Prepared by Shri.

And Checked by  
(Call or Authority)

**“GENERAL DESCRIPTION”  
Attached Separately**

Mahendra Purushottam Paragani  
Civil Engg. & Govt. Contractor  
Regd.No. -479 / 2019 (नामकाय विभाग)

## GENERAL REPORT

कामाचे नाव : Construction of १००० MT Godown For Jay Anant Farmers Producer Compony Lmted. At Nawali Tq.Risod Dist.Washim

अंदाजित ढुिमत : ११५२१०००

अधिकार : ०

आवश्यकता : There is not have a Godown Shade for Compony . It requirs Construct. The Godown Shade work is sanction under. To meet the need Estimate is prepared.

तरतूद : सदर अंदाजपत्रकामध्ये पुढीलप्रमाणे तरतूदी घेण्यात आल्या आहेत.

- १ excavation for foundation in Soft & Hard Murum
- २ Providing & Laying M-१० Bed
- ३ Providing & Laying C.C. M-२० For ,olumns & Beam
- ४ Brickwork In Foundation
- ५ Waterproof Cement paint to external surface
- ६ Providing Fixing Hollow Circuler Pipe & G.I.Sheet

दर व मोजमापे : अंदाजपत्रक तयार करण्याकरीता सा.बां. विभागाचे सन २०२१-२२ (दि. ०६/०८/२०२१ पासून लागु असलेली) च्या दरसुचीनुसार दर घेण्यात आलेले आहेत. सदर काम हे शासनाद्वारे मंजुर व वेळोवेळी सुधारणा करण्यात आलेल्या विनिर्देशनाप्रमाणे करण्यात येईल.

Mahendra P. ...  
Civil Engg. & Govt. Contractor  
Regd.No. -479 / 2019 (बांधकाम विभाग)

Construction of 1000 MT Godown For Jay Anant Farmers Producer Compony Lmted. At  
Nawali Tq.Risod Dist.Washim

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GENERAL ABSTRACT



Sr. No.	Particular	Amount
1	Cost of Estimate	Rs. 9433998.49
		<hr/>
		Rs. 9433998.49
2	Add for Royalty Charges	Rs. 183464.23
3	Add for Testing Charges	Rs. 7695.00
4	Add for Electrification	Rs. 200000.00
5	Add for 1 % Insurance	Rs. 94339.98
6	Add for 3 % Contengencies	Rs. 283019.95
7	Add 18 % For GST	1698119.73
		<hr/>
		Rs. 11523277.45
		Total Rs. 11523277.45
		Say Rs. 11521000

Mahendra Prasad Patil  
Civil Engg. & Govt. Contractor  
Regd.No. -479/2019 (बांधकाम विभाग)

**Construction of 1000 MT Godown For Jay Anant Farmers Producer Compony Lmtd. At  
Nawali Tq.Risod Dist.Washim**

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**"ABSTRACT"**



Quantity	Item of work	Rate	Unit.	Amount
292.39	Cum Item No. 1:-Excavation for foundation in earth, soils of all types, sand, gravel, soft murum including shoring and strutting, dewatering as necessary and disposing off excavated stuff as directed etc. complete. [Spe.No. : Bd.A.2 Page No. 259 ] ( S.S.R.2021-22 I.No.21.02 P.No. 148 )	193.00	Cum	56431.57
34.02	Cum Item No. 2:-Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.50 m) By Mechanical Means [Spe.No. : Bd.A.2 Page No. 259 ] ( S.S.R.2021-22 I.No.21.06 P.No. 148 )	212.00	Cum	7212.00
356.01	Cum Item No.3 :-Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete. . As directed by Engineer in charge. SSR 2021-22 I No 21.40 P No.205	1322.00	Cum	470640.00
276.124	Cum Item No. 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) [Spec.No. :Bd. E. 1 Page No. 287] (SSR 2021-22 I.No. 24.01 Page No.169)	5538.00	Cum	1529173.00
15.120	Cum Item No. 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) [Spe.No. : Bd.F.3 Page No. 298 and B.7, Page No.38 ] ( S.S.R 2021-22. I.No.25.11 P.No. 172)	6666.00	Cum	100790.00

## "ABSTRACT"

Quantity	Item of work	Rate	Unit.	Amount
24.840 Cum	Item No. 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) [Spe.No. : Bd.F.5 Page No. 300 and B.7, Page.No. 38 ] ( S.S.R. 2021-22 I.No.25.31 P.No. 172 )	12978.00	Cum	322374.00
53.513 Cum	Item No. 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 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 natural sand/V.S.I. quality Artificial Sand [Spe.No. : Bd.F.6 Page No.300 And B.7 Page No.38/ ] ( S.S.R. 2021-22 I.No.25.50 P.No. 175 )	11483.00	Cum	614494.00
18.640 Cum	Item No. 8 :- Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually , striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete. Bd.G. 1 Page No. 313 SSR 2021-22 I.No. 27.01 P.No. 254	7343.00	Cum	136876.00
49.511 Cum	Item No. 9 : 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 Bd.G.2 Page Number 313 SSR 2021-22 I.No. 27.05 P.No. 144	7570.00	Cum	374798.00
34.020 cum	Item No. 10 :-Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layers including watering and compacting etc. complete.[Spe.No. : Bd.A.10 Page No.262 ] ( S.S.R.2021-22 I.No.21.36 P.No. 152 )	113.00	cum	3844.00

## "ABSTRACT"

Quantity	Item of work	Rate	Unit.	Amount
289.679 cum	Item No. 11 : 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. Bd.A.11 Page No. 263 SSR 2021-22 I.No. 21.37 P.No.152	550.00	cum	159323.00
515.704 Sqm	Item No. 12 : Providing internal cement plaster 20mm thick in Single coats in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. completeBd.L.4 Page Number 368 SSr I.No.32.06	359.00	Sqm	185138.00
621.717 Sqm	Item No. 13 : Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1Kilogramper cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surfaceby taking out grains and curing for fourteen days scaffolding etc.complete.Bd. L.2 Page Number 368 SSR 2021-22 I.No.32.11 P.No.153	599.00	Sqm	372409.00
621.717 Sqm	Item No. 14 : Providing and applying Two coats of wall care Putty on plastered surface and Ceiling and Walls to prepare surface even and smooth of approved make, etc complete. As directed by Engineer in charge SSR I.No.32.34	87.00	Sqm	54089.00
1754.398 Sqm	Item No. 15 : Providing and laying in situ cement concrete M20 with tremix treatment for 100 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessary refilling with bitumen etc. complete As directed by Engineer in charge SSR I.No.33.13	746.00	Sqm	1308781.00
515.70 Sqm	Item No. 16 : Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to new plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete. As directed by Engineer- in-charge. Spec.No.: Bd.O.8/Page No.406 SSR 2021-22 I.No. 35.15 P.No. 216	97.00	Sqm	50023.00
621.72 Sqm	Item No. 17 : Providing and applying plastic emulsion paint of approved quality, colour and shade to old and new surfaces in two coats including scaffolding, preparing the surface. (excluding the primer coat)etc. complete. Spec.No.: Bd.P.6 Page Number 414 SSR 2021-22 I.No. 36.12 P.No. 167	70.00	Sqm	43520.00

## "ABSTRACT"

Quantity	Item of work	Rate	Unit.	Amount
621.72 Sqm	Item No. 18 : Providing and applying priming coat on concrete/ masonry/ Asbestos Cement plastered surfaces including scaffolding if necessary, preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and sand papering as required etc. complete. As directed by Engineer- in-charge. Spec.No.: As directed by Engineer in charge SSR 2021-22 I.No. 35.21 P.No. 165	34.00	Sqm	21138.00
20.00 No.	Item No. 19 : Providing and fixing self supporting steel roofing system for a Godown or alike made up of structural grade steel sheet of 912 millimeter width ( tolerance + / - 2 millimeter ), moulded at site using mechanical press dies to the desired curve and shape to form 605 millimeter wide interlocking panels . The interlocking panels shall be pressed to close the seam forming water tight joints for a span of 25.00 meter having arch rise as 5.00 meter, arch length 29.00 meter The base material made up of imported galvalume steel complying to ASTM A792 having base metal thickness of 1.20 millimeter ( tolerace + / - 0.02 millimeter ) with alloy coating AZ 150 and paint coating of regular modified polyster , top coat 25 micron and bottom coat 12 micron as per approved colour , including fixing hangers , clamps etc.as may be necessary of Proflex standard, including fixing sky light of 2 millimeter thick polycarbonate sheet of size 2' x 14' and turbo ventilator of 24" diameter to be installed at every 30 feet along the length of roof including finishing , testing and cleaning etc. complete.SSR 2021-22 I.No.	8095.00	No.	161900.00
10.50 Sqm	Item No. 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) (With mechanical gear Spec.No.: BD-T-55 Page Number 510SSR 2021-22 I.No. 39.25 P.No. 180	4730.00	Sqm	49665.00

## "ABSTRACT"

Quantity	Item of work	Rate	Unit.	Amount
11.47 MT	<p>Item No. 21 :-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.[Bd.C.2 Page No. 275] (S.S.R. 2021-22 I.No.23.01 P.No167)</p>	89181.00	MT	1022614.49
794.54 Sqm	<p>Item No. 22 : 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/Square Metre As directed by Engineer in charge.SSR 2020-21 I.NO.38.34 P.NO.</p>	1095.00	Sqm	870019.11

## "ABSTRACT"

Quantity	Item of work	Rate	Unit.	Amount
67.16	Rmt Item No. 23 : Providing and fixing of colour coated Zincaluminium( 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 withAluminium-Zinc alloy (55% aluminiumm 43.4% zinc 1.6% silicon) with COLORBOND ( R ) steel quality super durable polyster paint coat ( with inorganic pigment). The paint shall have a total coating thickness of nominal 35 mm, comprising of nominal 25mm 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 sublet square fluting in the five pan at nominal 180-250 mmcenter- to-center. The end rib shall be designed for anti-capacity groove. and return leg. The feed material should have coil manufacturers product details marked a regular interval. including fasteners with min. fastened with min. 25 um Zinc-Tin alloy coated, Hex head, self-drilling screw etc. complete. (weight of profile 4.52 Kilogram/Square Metre) 600 mm girth (Surface Width). As directed by Engineer in charge SSR 2020-21 I NO 38 35 P NO 174	702.00	Rmt	47146.32
54.00	Rmt Item No. 24 : Providing and fixing P.V.C. Rain water pipes of 160mm outer diameter and having wall thickness of 2.2 to 2.7 mm confirming to I.S. 13592-1992 including proper rainwater receiving recess with P.V.C. plug, bend, necessary fittings, such as, offsets, shoes, inluding fixing the pipe on wall using approved wooden cleats projecting 25mm to 40mm from face of wall a fixing with clips of approved quality and number ,filing the joint using rubber gasket with solvent cement and properly resting the shoe of pipes on C.C. or masonry blocks, including necessary scaffolding and maintenance for 3 yrs for any leakages or dislocations of pipes. All the P.V.C. fittings and additional 2 piece socket clips shall be got approved from engineer in charge etc. complete.SSR 2020-21 I.NO.42.85 P.NO.	1343.00	Rmt	72522.00
13.258	MT Item No. 25 : Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete. Bd.F.17, Page No. 306 SSR 2021-22 I.No. 26.33 P.No. 182	71778.00	MT	951642.00

## "ABSTRACT"

Quantity	Item of work	Rate	Unit.	Amount
10.080 Sqm	<p>Item No. 26 : 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 o 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) (With mechanical gear). BD-T-55 Page Number 510SSR 2021-22 I.No. 39.25 P.No. 181</p>	4730.00	Sqm	47678.00
9.330 Sqm	<p>Item No. 27 : Providing and fixing steel ventilator fully glazed partly fixed as per detailed drawing with hot dip zinc coating including fabricating glazing with plain / obscured glass pans 5 mm thick and approved type quality and iron oxidized fixtures and fastening with guard square bars 12 mm 10 cm c/c and oil painting 2 coats etc. complete BD-T-55 Page Number 510SSR 2021-22 I.No. 39.30 P.No. 182</p>	4449.00	Sqm	41509.00
16.000 No.	<p>Item No. 28 : Providing and fixing lioghtening conductor system comprising of erecting Air Termination consisting of tubular copper rod of 25mm dia. 1.2 mm thick with multiple points head 1.2 mt. long ( Heavy Duty) welded or clamped to G.I. pipe pole B grade 50 mm diaof required length with M.S. round bnase plate 25 Cm diam and 10mm thick at bottom embedded in cement concrete 1:3:6 dfoundation of size 45 cm diam x 45 cm Height and providing earthing with copper earth plate of size 60 x 60 x 0.3 cms with cadmium plated nut bolts to fix earthing strip burried in specially prepared earth pits 1.5 metre below ground level with 40Kilogramcharcoal and salt with altemate layers of charcoal and salt and G.I.pipe 40mm dia 2 meter length burried in earthe upto earthling plate remining portion above ground level for watering and refilling comcpete Note- Copper strip from lightning conductor is not considered in this itemBD-T-55 Page Number 510SSR 2021-22 I.No.44.18 P.No.214</p>	22189.00	No.	355024.00

## "ABSTRACT"

Quantity	Item of work	Rate	Unit.	Amount
1.00	No. Item No.29 : 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 per Rate Analysis	3225.00	No.	3225.00

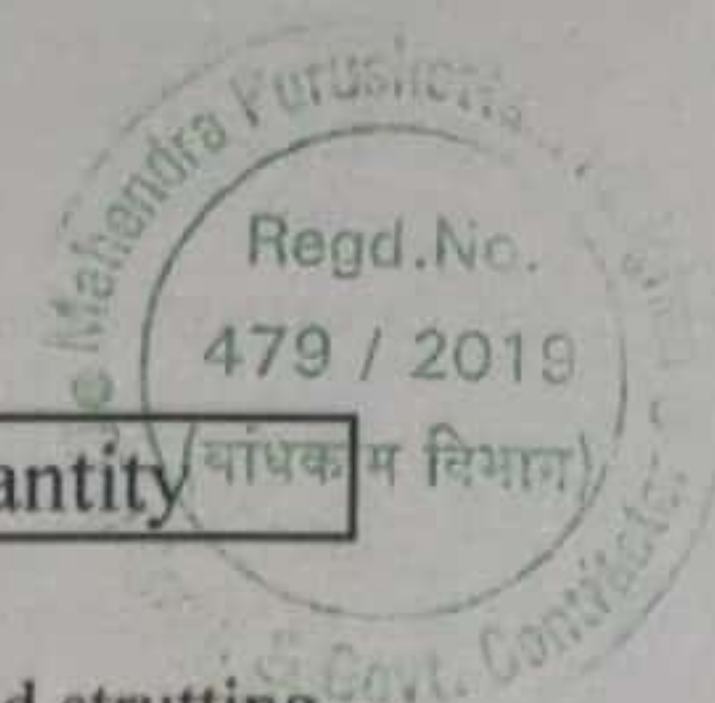
**Total Rs. 9433998.49**



Civil Engg. & Govt. Contractor  
Regd.No. -479 / 2019 (बांधकाम विभाग)

**Construction of 1000 MT Godown For Jay Anant Farmers Producer Compony Lmtd. At Nawali  
Tq.Risod Dist.Washim**

**MEASUREMENT**



Item of work	No.	L.	B.	D.	Quantity
Item No. 1:-Excavation for foundation in earth, soils of all types, sand, gravel, soft murum including shoring and strutting, dewatering as necessary and disposing off excavated stuff as directed etc. complete. [Spe.No. : Bd.A.2 Page No. 259 ] ( S.S.R.2021-22 I.No.21.02 P.No. 148 )					
Footings	14	1.80	1.50	0.90	34.020
GB	10	6.18	0.45	0.15	4.169
	4	8.68	0.45	0.15	2.342
Platform GB	2	2.80	0.45	0.15	0.378
	2	1.50	0.45	0.15	0.203
Outside of Godown	2	36.85	12.00	0.20	176.880
	2	15.50	12.00	0.20	74.400
					<b>292.392 Cum</b>

Item No. 2:-Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.50 m) By Mechanical Means [Spe.No. : Bd.A.2 Page No. 259 ] ( S.S.R.2021-22 I.No.21.06 P.No. 148 )

Footings	14	1.80	1.50	0.90	34.020
					<b>34.02 Cum</b>

Item No.3 :-Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete. . As directed by Engineer in charge. SSR 2021-22 I No 21.40 P No.205

	14	1.80	1.50	0.15	5.670
	1	32.80	15.10	0.20	99.056
Outside of Godown	2	36.85	12.00	0.20	176.880
	2	15.50	12.00	0.20	74.400
					<b>356.006 Cum</b>

Item No. 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) [Spec.No. :Bd. E. 1 Page No. 287] (SSR 2021-22 I.No. 24.01 Page No.169)

Footings	14	1.80	1.50	0.15	5.670
GB	10	6.18	0.45	0.150	4.169
	4	8.68	0.45	0.150	2.342
Platform GB	1	2.80	1.50	0.150	0.630
	2	1.50	0.34	0.150	0.153
Bed PCC	1	32.98	15.10	0.150	74.700
Outside of Godown	2	36.85	12.00	0.150	132.660
	2	15.50	12.00	0.150	55.800
					<b>276.124 Cum</b>

## MEASUREMENT

Item of work	No.	L.	B.	D.	Quantity
<p>Item No. 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) [Spe.No. : Bd.F.3 Page No. 298 and B.7, Page No.38 ] ( S.S.R 2021-22. I.No.25.11 P.No. 172)</p>					
Footings	14	1.50	1.20	0.60	15.12
					<b>15.12 Cum</b>
<p>Item No. 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) [Spe.No. : Bd.F.5 Page No. 300 and B.7, Page.No. 38 ] ( S.S.R. 2021-22 I.No.25.31 P.No. 172 )</p>					
	14	0.45	0.60	6.25	23.63
CP	2	0.45	0.60	2.25	1.22
					<b>24.84 Cum</b>
<p>Item No. 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 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 natural sand/V.S.I. quality Artificial Sand [Spe.No. : Bd.F.6 Page No.300 And B.7 Page No.38/ ] ( S.S.R. 2021-22 I.No.25.50 P.No. 175 )</p>					
Ground Beam	10	6.176	0.30	0.60	11.12
	4	8.675	0.30	0.60	6.25
Platform GB	2	2.80	0.30	0.60	1.01
	4	1.50	0.30	0.60	1.08
PB	4	15.10	0.30	0.60	10.87
Lintel Beam	10	6.176	0.30	0.60	11.12
	4	8.68	0.30	0.60	6.25
EB Ventilator Top level	10	6.18	0.23	0.30	4.26
	4	5.68	0.23	0.30	1.57
					<b>53.51 Cum</b>
<p>Item No. 8 :- Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually , striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete. Bd.G. 1 Page No. 313 SSR 2021-22 I.No. 27.01 P.No. 254</p>					
	10	6.176	0.23	0.75	10.654
	4	8.68	0.23	0.75	5.986
	2	2.80	0.23	0.75	0.966
	4	1.50	0.23	0.75	1.035
					<b>18.640 Cum</b>
<p>Item No. 9 : 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 Bd.G.2 Page Number 313 SSR 2021-22 I.No. 27.05 P.No. 144</p>					
Upto Plinth Level	10	6.176	0.23	2.50	35.512

## MEASUREMENT

Item of work	No.	L.	B.	D.	Quantity
	4	8.68	0.23	2.50	19.953
Deduct RS	-2	2.10	0.34	2.50	-3.570
V1	-6	0.60	0.34	0.60	-0.734
V2	-10	1.00	0.23	0.60	-1.380
V3	-2	1.30	0.23	0.45	-0.269
					<b>49.511 Cum</b>

Item No. 10 :-Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layers including watering and compacting etc. complete.[Spe.No. : Bd.A.10 Page No.262 ] ( S.S.R.2021-22 I.No.21.36 P.No. 152 )

Available Quantity As per I.No.2

**34.020 Cum**

Item No. 11 : 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. Bd.A.11 Page No. 263 SSR 2021-22 I.No. 21.37 P.No.152

Required Quantity	1	32.98	15.10	0.65	323.699
Deduct Available Qty.					-34.020
					<b>289.679 Cum</b>

Item No. 12 :Providing internal cement plaster 20mm thick in Single coats in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. completeBd.L.4 Page Number 368 SSR I.No.32.06

	2	33.58	5.15		345.874
	2	15.70	5.15		161.710
	2	2.80	1.45		8.120
					<b>515.704 Sqm</b>

Item No. 13 :Providing internal cement plaster 12mm thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete. Bd. L.2 Page Number 368 SSR 2021-22 I.No. 12.03 P.No.153

	2	32.98	6.25		412.250
	2	15.10	6.25		188.750
	1	7.80	1.45		11.310
	1	5.07	1.13		5.729
V1	2	1.80	1.13		4.068
V2	6	0.60	1.20		4.320
V3	10	1.00	1.20		12.000
	2	1.30	1.20		3.120
Deduction D	-2	2.10	2.50		-10.500
V1	-6	0.60	0.60		-2.160
V2	-10	1.00	0.60		-6.000
	-2	1.30	0.45		-1.170
					<b>621.717 Sqm</b>

Item No. 14 : Providing and applying Two coats of wall care Putty on plastered surface and Ceiling and Walls to prepare surface even and smooth of approved make, etc complete. As directed by Engineer in charge SSR I.No.32.34

Qty As per 12mm Thk Plaster

621.717

**621.717 Sqm**

## MEASUREMENT

Item of work	No.	L.	B.	D.	Quantity
Item No. 15 : Providing and laying in situ cement concrete M20 with tremix treatment for 100 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessary refilling with bitumen etc. complete As directed by Engineer in charge SSR I.No.33.13					
	1	32.98	15.10		497.998
Outside of Godown	2	36.85	12.00		884.400
	2	15.50	12.00		372.000
					<b>1754.398 Sqm</b>

Item No. 16 : Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to new plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete. As directed by Engineer- in-charge. Spec.No.: Bd.O.8/Page No.406 SSR 2021-22 I.No. 35.15 P.No. 216

As per Qty. I.No. 12

**515.704 Sqm**

Item No. 17 : Providing and applying plastic emulsion paint of approved quality, colour and shade to old and new surfaces in two coats including scaffolding, preparing the surface. (excluding the primer coat)etc. complete. Spec.No.: Bd.P.6 Page Number 414 SSR 2021-22 I.No. 36.12 P.No. 167

As per Qty. I.No. 13

**621.717 Sqm**

Item No. 18 : Providing and applying priming coat on concrete/ masonry/ Asbestos Cement plastered surfaces including scaffolding if necessary, preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and sand papering as required etc. complete. As directed by Engineer- in-charge. Spec.No.: As directed by Engineer in charge SSR 2021-22 I.No. 35.21 P.No. 165

As per Qty. I.No. 13

621.717

**621.717 Sqm**

Item No. 19 : Providing and fixing self supporting steel roofing system for a Godown or alike made up of structural grade steel sheet of 912 millimeter width ( tolerance + / - 2 millimeter ), moulded at site using mechanical press dies to the desired curve and shape to form 605 millimeter wide interlocking panels . The interlocking panels shall be pressed to close the seam forming water tight joints for a span of 25.00 meter having arch rise as 5.00 meter, arch length 29.00 meter The base material made up of imported galvalume steel complying to ASTM A792 having base metal thickness of 1.20 millimeter ( tolerace + / - 0.02 millimeter ) with alloy coating AZ 150 and paint coating of regular modified polyster , top coat 25 micron and bottom coat 12 micron as per approved colour , including fixing hangers , clamps etc.as may be necessary of Proflex standard, including fixing sky light of 2 millimeter thick polycarbonate sheet of size 2' x 14' and turbo ventilator of 24" diameter to be installed at every 30 feet along the length of roof including finishing , testing and cleaning etc. complete.SSR 2021-22 I.No.

1      20.00

20.000

**20.000 No.**

Item No. 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) (With mechanical gear Spec.No.: BD-T-55 Page Number 510SSR 2021-22 I.No. 39.25 P.No. 180

2      2.10      2.50

10.500

**10.500 Sqm**

Item No. 21 :-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.[Bd.C.2 Page No. 275] (S.S.R. 2021-22 I.No.23.01 P.No167)

## MEASUREMENT

Item of work	No.	L.	B.	D.	Quantity
	1	33.58		15.70	527.206
					11466.731
					<b>11466.731 kg</b>
					<b>11.467 MT</b>
				Total	

Item No.22 : Providing and fixing colour coated Zincalume ( R ) AZ150 ( min 150 gms/sq.mt. total on each side ) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45 mm Base Metal Thickness ( BMT ) (0.5 mm TCT ), Hi-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/Square Metre As directed by Engineer in charge.SSR 2020-21 I.NO.38.341 P.NO.

	2	33.58	8.05		540.638
	2	33.58	2.50		167.900
	2	15.70	2.50		78.500
	2	2.50	1.50		7.500
					<b>794.538 Sqm</b>

Item No. 23 : Providing and fixing of colour coated Zincaluminium( 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 withAluminium-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 mm, comprising of nominal 25mm 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 sublet square fluting in the five pan at nominal 180-250 mmcenter- to-center. The end rib shall be designed for anti-capacity groove. and return leg. The feed material should have coil manufacturers product details marked a regular interval. including fasteners with min. fastened with min. 25 um Zinc-Tin alloy coated, Hex head, self-drilling screw etc. complete. (weight of profile 4.52 Kilogram/Square Metre) 600 mm girth (Surface Width). As directed by Engineer in charge.SSR 2020-21 I.NO.38.35 P.NO. 174

	2	33.58			67.160
					<b>67.160 Rmt</b>

Item No. 24 : Providing and fixing P.V.C. Rain water pipes of 160mm outer diameter and having wall thickness of 2.2 to 2.7 mm confirming to I.S. 13592-1992 including proper rainwater receiving recess with P.V.C. plug, bend, necessary fittings, such as, offsets, shoes, including fixing the pipe on wall using approved wooden cleats projecting 25mm to 40mm from face of wall a fixing with clips of approved quality and number ,filing the joint using rubber gasket with solvent cement and properly resting the shoe of pipes on C.C. or masonry blocks, including necessary scaffolding and maintenance for 3 yrs for any leakages or dislocations of pipes. All the P.V.C. fittings and additional 2 piece socket clips shall be got approved from engineer in charge etc. complete.SSR 2020-21 I.NO.42.85 P.NO.

	12	4.50			54.000
					<b>54.000 Rmt</b>

Item No. 25 : Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete. Bd.F.17, Page No. 306 SSR 2021-22 I.No. 26.33 P.No. 182

Qty as per I.No. 5 Footings	15.120 x	85 Kg/Cum	1285.20
Qty as per I.No. 6 Column	24.840 x	90 Kg/Cum	2235.60
Qty as per I.No. 7 Beam	53.513 x	100 Kg/Cum	5351.33

**MEASUREMENT**

Item of work	No.	L.	B.	D.	Quantity
Remix Concrete	1754.398 x			2.5 Kg/Sqm	4386.00 0 13258.129 Kg 13.258 MT

Item No. 26 : 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) (With mechanical gear). BD-T-55 Page Number 510SSR 2021-22 I.No. 39.25 P.No. 181

2	2.10	2.40	10.080
			10.080 Sqm

Item No. 27 : Providing and fixing steel ventilator fully glazed partly fixed as per detailed drawing with hot dip zinc coating including fabricating glazing with plain / obscured glass pans 5 mm thick and approved type quality and iron oxidized fixtures and fastening with guard square bars 12 mm 10 cm c/c and oil painting 2 coats etc. complete BD-T-55 Page Number 510SSR 2021-22 I.No. 39.30 P.No. 182

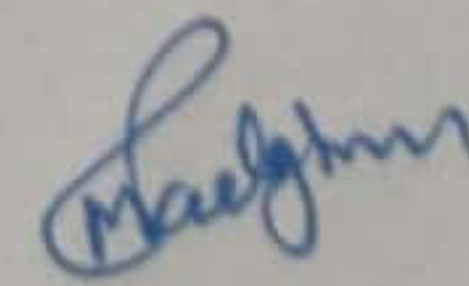
V1	6	0.60	0.60	2.160
V2	10	1.00	0.60	6.000
V3	2	1.30	0.45	1.170
				9.330 Sqm

Item No. 28 : Providing and fixing lightning conductor system comprising of erecting Air Termination consisting of tubular copper rod of 25mm dia. 1.2 mm thick with multiple points head 1.2 mt. long ( Heavy Duty) welded or clamped to G.I. pipe pole B grade 50 mm dia of required length with M.S. round base plate 25 Cm diam and 10mm thick at bottom embedded in cement concrete 1:3:6 foundation of size 45 cm diam x 45 cm Height and providing earthing with copper earth plate of size 60 x 60 x 0.3 cms with cadmium plated nut bolts to fix earthing strip buried in specially prepared earth pits 1.5 metre below ground level with 40Kilogram charcoal and salt with alternate layers of charcoal and salt and G.I. pipe 40mm dia 2 meter length buried in earth upto earthing plate remaining portion above ground level for watering and refilling complete Note- Copper strip from lightning conductor is not considered in this item BD-T-55 Page Number 510SSR 2021-22 I.No.44.18 P.No.214

16	1.00	16.000
		16.000 No.

Item No.29 : 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 per Rate Analysis

1 No.



Mahendra Parashar  
Civil Engg. & Govt. Contractor  
Regd.No. -479 / 2019 (राजकाम विभाग)

Construction of 1000 MT Godown For Jay Anant Farmers Producer Compony  
Lmtd. At Nawali Tq.Risod Dist.Washim



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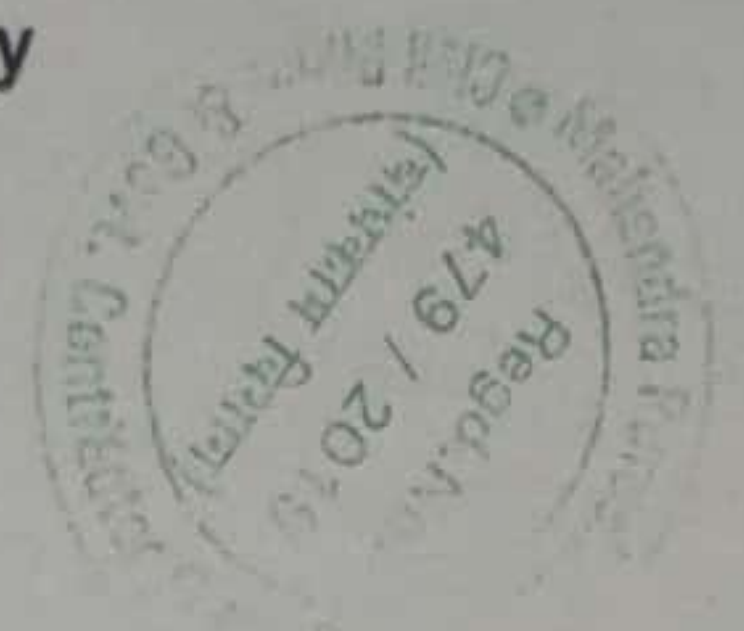
ROYALTI STATEMENT

S.No.	Item	Estimated Quantity	Material			
			80mm metal	40mm metal	Sand	Murum
1	80 mm soling	356.01	356.006			71.2012
2	M 10	276.12			41.42	
3	Bk masonry	68.15			21.81	
4	Plinth filling	289.68				289.68
5	M 20	93.47			39.73	
6	12mm Thk Plaster	621.72			9.33	
7	Sand F.Plaster	515.70			7.74	
Total		1083.433	356.006	0	120.014	360.88
Rate of Royalti			216.18	216.18	237.37	216.18
Total			76961.377	0	28487.8372	78015.02
Amount	183464					

*(Handwritten Signature)*

Civil Engg. & Goyt. Contractor  
Regd.No. -479 / 2019 (बांधकाम विभाग)

Construction of 1000 MT Godown For Jay Anant Farmers Producer Compony  
Lmtd. At Nawali Tq.Risod Dist.Washim

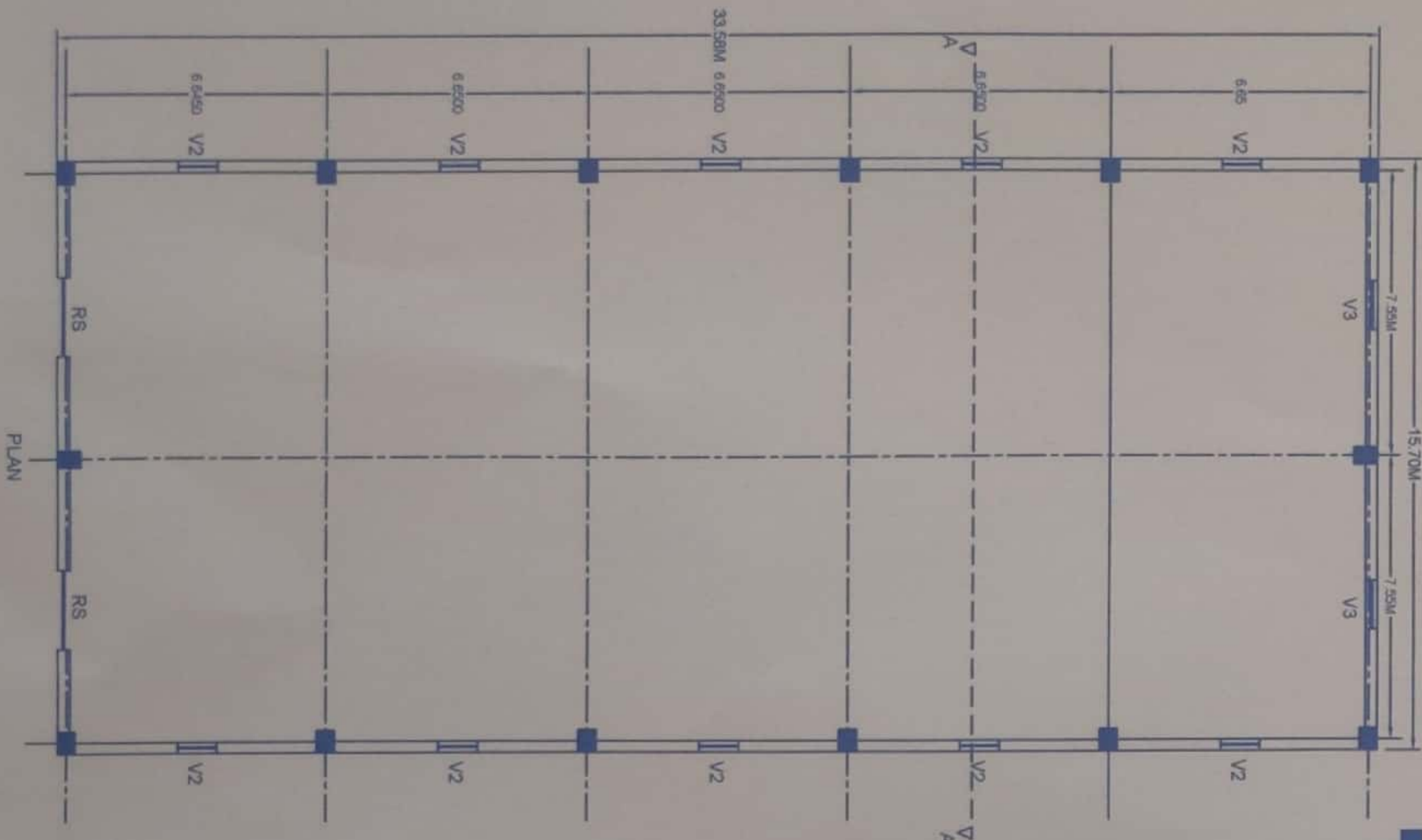
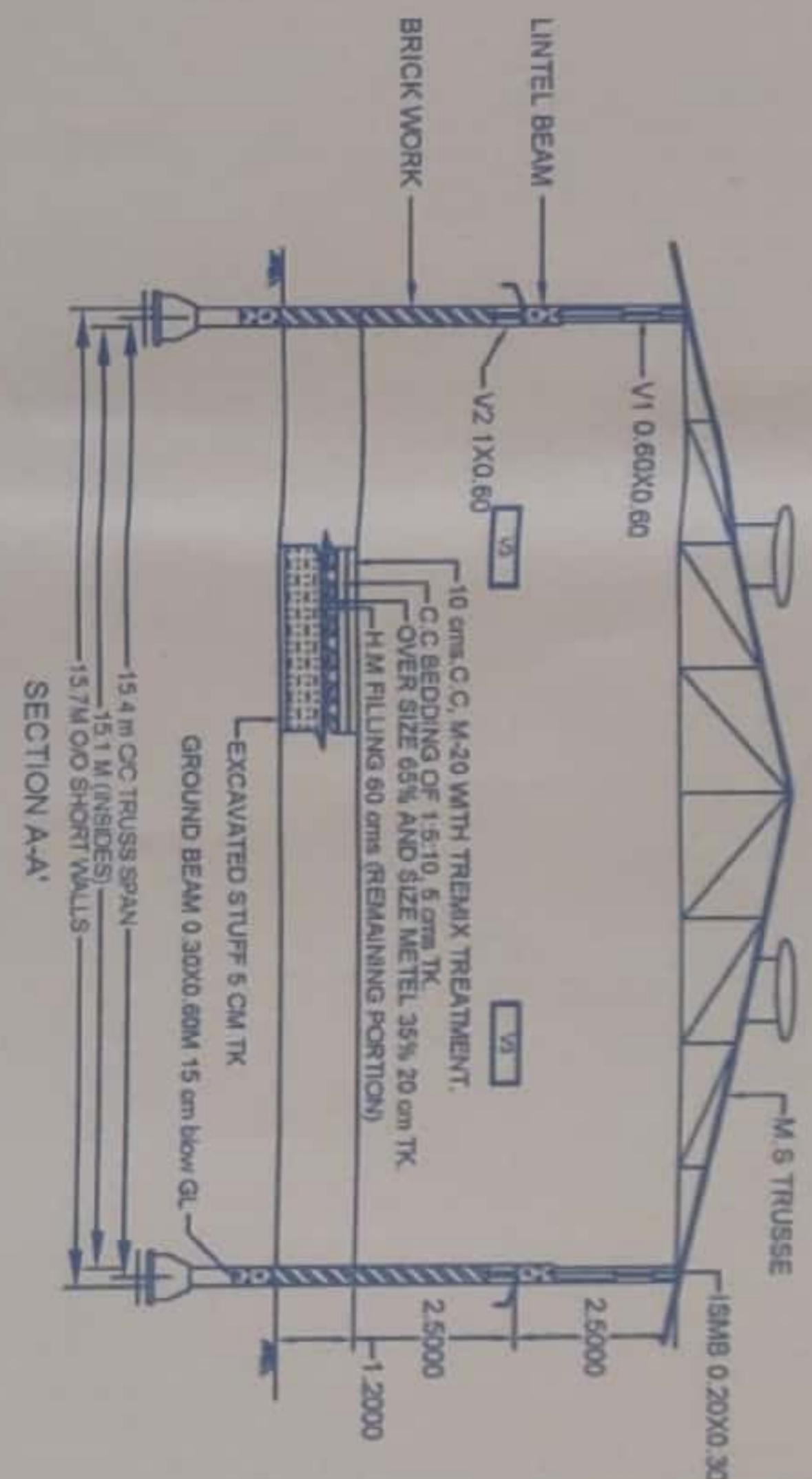


LABORATORY TESTING CHARGES STATEMENT

S.No.	Item	Estimated Quantity	Material	Required test	Frequency of sampling	Charges	Amount Rs.
1	CC M-20	93.47	Metal	Compressive strength of cc cube	6	690.00	4140.00
2			Sand	Silt content	1	1380.00	1380.00
3	Bk Masonry	18.64035	Brick	Water Absorption	1	2175.00	2175.00
Total							7695.00

Mahendra Purushottam Patil  
Civil Engg. & Govt. Contractor  
Civil Engg. & Govt. Contractor  
Regd.No. -479/2019 (वाशिम जिल्हा)  
Regd.No. -479/2019 (वाशिम जिल्हा)

CONSTRUCTION OF 1000 MT GODOWN FOR JAYANANT FARMERS PRODUCER COMPANY LMTD. AT. NAWALI TQ. RISOD DIST. WASHIM



SCHEDULE OF ROLLING SHUTTERS/VENTILATORS

TYPE	SIZE	NO	DESCRIPTION
RS	2.10X2.50	2	PULL AND PUSH TYPE FIXED FORM INSIDE STEEL ROLLING SHUTTER REF-SPECIFICATION
V1	Ø 600X 60	6	STEEL VENTILATORS FULLY GLAZED WITH SHUTTER (BOX HINGES) 5 MM SQ. MESH 18 SWG. TO BE FIXED BY 18mmx3mm M.S. FLAT AND 12mm SQ. BARS (7 NOS) IN VERTICAL POSITION @ 100MM C/C FIXED TO FRAME FROM OUTSIDE FROM OUTSIDE
V2	1.0X0.60	10	DO- 12mm SQ. BARS (11 NOS) IN VERTICAL POSITION @ 100MM C/C FIXED TO FRAME FROM OUTSIDE
V3	1.3X0.45	2	DO- 12mm SQ. BARS (13 NOS) IN VERTICAL POSITION @ 100MM C/C FIXED TO FRAME FROM OUTSIDE

SCHEDULE OF R.C.C. COLUMNS

TYPE	SIZE	NO.	REMARKS:
C	Ø 45XØ 60	14	



CONSTRUCTION OF 1000 MT GODOWN  
 AT .....  
 TO .....  
 DIST .....  
 FOR THE .....

AREA STATEMENT

PLOT AREA .....  
 BUILTUP AREA = 15.70X33.58 = 527.20 SQ.M

- NOTE :-
1. ALL DIMENTIONS ARE IN METER
  2. DO NOT SCALE THE DRAWING FOLLOW FIGUREDIMENTION ONLY
  3. READ THES DRAWING ALONG WITH THE RELEVENT PLAN

SANCTIONING AUTHORITY

ENGINEER:  
 Madhura Hemant Prushottam Padgham  
 Civil Engg. & Govt. Contractor  
 Regd.No. 479 / 2019 (वाशिम जिल्हा)

OWNER  
 Jayanant Farmers Producer Company Lrtd.  
 At Nawali Tq. Risod Dist Washim