



"CHAVAN V.N"

CIVIL ENGINEERING SERVICES,  
PADWAL COMPLEX, SHOP NO.1,  
OPPOSITE B & C, SAMTA COLONY,  
OSMANABAD. PH.7038664678.

## ESTIMATE

Name of Work :- Construction of Industrial Shed For Iwatch Farmer  
Producer Company In Gat No 41 At Samudrawani Tq Dist Osmanabad.

**ESTIMATE COST:      Rs. 63.88 Lakh**

Name of Work :- Construction of Industrial Shed For Iwatch Farmer  
Producer Company In Gat No 41 At Samudrawani Tq Dist Osmanabad.

## GENERAL ABSTRACT

1. Cost Of Work Portion	Rs.	5413310.00
2. Add 18% For GST	Rs.	974396.00
		<hr/>
	<b>Total</b>	<b>6387706.00</b>
	<b>Say Rs.</b>	<b>63.88 Lakh</b>

  
**Vishnu N. Chavan**  
Consulting Engineer-I  
Reg. No.OMC/742/17

**Name of Work :- Construction of Industrial Shed For Iwatch Farmer  
Producer Company In Gat No 41 At Samudrawani Tq Dist Osmanabad.**

**ABSTRACT**

<b>QTY.</b>	<b>ITEM</b>	<b>RATE</b>	<b>UNIT</b>	<b>AMOUNT</b>
37.09	Item No.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 Add. Spec: Bd.A.1 Page No. 259 SSR 2022-23 Sr.No.721 It.No.21.02	207.00	Cu.M	7678.00
16.20	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 Add. Spec: Bd.A.2 Page No. 259 SSR 2022-23 Sr.No.725 It.No.21.06	227.00	Cu.M	3677.00
16.20	Item No.3 :Excavation for foundation in hard murum and boulders including removing the excavated material up to a distance 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 1.5m.) By Mechanical Means Add. Spec: Bd.A.3 Page No. 259 SSR 2022-23 Sr.No.728 It.No.21.10	252.00	Cu.M	4082.00
77.71	Item No.4 :Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete. Add. Spec: Bd.A. 12 Page No. 264 SSR 2022-23 Sr.No.752 It.No.21.38	1382.00	Cu.M	107395.00

QTY.	ITEM	RATE	UNIT	AMOUNT
50.69	<p>Item No.5 :Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)</p> <p>Add. Spec: Bd. E. 1 Page No. 287</p> <p>SSR 2022-23 Sr.No.827 It.No.24.01</p>	5830.00	Cu.M	295523.00
15.55	<p>Item No.6 :Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)</p> <p>Add. Spec: Bd.F.3 Page No. 298 and B.7, Page No.38</p> <p>SSR 2022-23 Sr.No.836 It.No.25.11</p>	7104.00	Cu.M	110467.00

QTY.	ITEM	RATE	UNIT	AMOUNT
12.55	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. columns as per detailed designs and drawing or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) Add. Spec: Bd.F.5 Page No. 300 and B.7, Page.No. 38 SSR 2022-23 Sr.No.841 It.No.25.31	13783.00	Cu.M	172977.00
35.84	Item No.8 :Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite/quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compactionand roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) Add. Spec: Bd.F.6 Page No. 300 and B.7, Page No.38 SSR 2022-23 Sr.No.846 It.No.25.50	12269.00	Cu.M	439721.00
11.89	Item No.9 :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. Add. Spec: Bd.G. 1 Page No. 313 SSR 2022-23 Sr.No.889 It.No.27.01	7755.00	Cu.M	92207.00

QTY.	ITEM	RATE	UNIT	AMOUNT
0.37	Item No.10 :Providing and laying Cast in situ/Ready Mixcement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including steel centering, formwork, cover blocks, laying/pumping, compacting and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) Add. Spec: Bd.F.9 Page No. 303 and B.7, Page No.38 SSR 2022-23 Sr.No.856 It.No.26.05	13932.00	Cu.M	5155.00
10.02	Item No.11 :Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. pardi of required thickness including steel centering, formwork, cover blocks, laying/pumping, compacting , curing , finishing and rougheningthem if special finish is to be provided and curing complete.(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) Add. Spec: Bd.F.11 Page No. 304 and B.7, Page No. 38 SSR 2022-23 Sr.No.860 It.No.26.17	15567.00	Cu.M	155981.00
6.370	Item No.12 :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. Add. Spec: Bd.F.17, Page No. 306 SSR 2022-23 Sr.No.871 It.No.26.33	89703.00	M.T	571408.00
25.920	Item No.13 :Filling in plinth and floors with approved excavated material in 15cm. to 20cm. Layers including watering and compacting etc. complete. Add. Spec: Bd.A.10 Page No. 262 SSR 2022-23 Sr.No.750 It.No.21.36	120.00	Cu.M	3110.00

QTY.	ITEM	RATE	UNIT	AMOUNT
324.58	Item No.14 :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. Add. Spec: Bd.A.11 Page No. 263 SSR 2022-23 Sr.No.751 It.No.21.37	599.00	Cu.M	194423.00
75.27	Item No.15 :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 Add. Spec: Bd.G.5 Page No. 315 SSR 2022-23 Sr.No.892 It.No.27.05	7994.00	Cu.M	601708.00
18.00	Item No.16 :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) Add. Spec: BD-T-55 Page No. 510 SSR 2022-23 Sr.No.1217 It.No.39.24	4829.00	Sq.M	86922.00
14.40	Item No.17 :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. Add. Spec: BD-T-53 Page No. 509 As directed by Engineer in charge. SSR 2022-23 Sr.No.1222 It.No.39.29	3375.00	Sq.M	48600.00

QTY.	ITEM	RATE	UNIT	AMOUNT
468.26	Item No.18 :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. complete Add. Spec: Bd.L.4 Page No. 368 SSR 2022-23 Sr.No.960 It.No.32.06	375.00	Sq.M	175598.00
547.47	Item No.19 :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 surface by taking out grains and curing for fourteen days scaffolding etc.complete. Add. Spec: Bd.L.7 Page No. 369 SSR 2022-23 Sr.No.963 It.No.32.11	639.00	Sq.M	349833.00
518.06	Item No.20 :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. Add. Spec: As directed by Engineer in charge SSR 2022-23 Sr.No.1017 It.No.33.30	796.00	Sq.M	412376.00
15.32	Item No.21 :Providing and laying chequered tiles of approved quality of size 30 cm x 30 cm, confirming to corresponding I.S. for flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with cement slurry cleaning curing etc. complete. Add. Spec: Bd. M-12 page No. 385 SSR 2022-23 Sr.No.1050 It.No.33.66	735.00	Sq.M	11260.00
468.26	Item No.22 :Providing and applying washable oil-bound distemper of approved colour and shade to old and new surfaces in two coats including scaffolding, preparing the surfaces. (excluding the primer coat.) etc. complete. Add. Spec: Bd.P.5 Page No. 413 SSR 2022-23 Sr.No.1106 It.No.36.11	48.00	Sq.M	22476.00

QTY.	ITEM	RATE	UNIT	AMOUNT
547.47	Item No.23 :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. NOTE: For Item No. 15 to 18 prior approval of Superintending Engineer will be necessary Add. Spec: As directed by Engineer in charge. SSR 2022-23 Sr.No.1095 It.No.35.26	295.00	Sq.M	161504.00
609.20	Item No.24 :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 15.30 meter having arch rise as 3.06 meter, arch length 17.75 meter. The base material made up of imported galvalume steel complying to ASTM A792 having base metal thickness of 0.80 millimeter ( tolerance + / - 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 7' 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. Add. Spec: As directed by Engineer in charge. SSR 2022-23 Sr.No.1181 It.No.38.41	2264.00	Sq.M	1379229.00
				5413310.00

  
**Vishnu N. Chavan**  
 Consulting Engineer-I  
 Reg. No.OMC/742/17

**Name of Work :- Construction of Industrial Shed For Iwatch Farmer  
Producer Company In Gat No 41 At Samudrawani Tq Dist Osmanabad.**

**MEASUREMENTS**

Sr. No.	ITEM	No.	L	W	H	QTY.	UNIT
1	Item No.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 Add. Spec: Bd.A.1 Page No. 259 SSR 2022-23 Sr.No.721 It.No.21.02						
	For Footings	24	1.50	1.50	0.60	32.40	
	External Plinth Beams						
	C1-C2	1	3.34	0.30	0.15	0.15	
	C2-C3	1	3.34	0.30	0.15	0.15	
	C3-C4	1	3.38	0.30	0.15	0.15	
	C4-C6	1	1.75	0.30	0.15	0.08	
	C6-C8	1	2.58	0.30	0.15	0.12	
	C8-C10	1	2.58	0.30	0.15	0.12	
	C10-C12	1	2.58	0.30	0.15	0.12	
	C12-C14	1	2.58	0.30	0.15	0.12	
	C14-C16	1	2.58	0.30	0.15	0.12	
	C16-C18	1	2.58	0.30	0.15	0.12	
	C18-C20	1	2.58	0.30	0.15	0.12	
	C20-C24	1	2.58	0.30	0.15	0.12	
	C24-C23	1	3.37	0.30	0.15	0.15	
	C23-C22	1	3.34	0.30	0.15	0.15	
	C22-C21	1	3.34	0.30	0.15	0.15	
	C21-C19	1	2.58	0.30	0.15	0.12	
	C19-C17	1	2.58	0.30	0.15	0.12	
	C17-C15	1	2.58	0.30	0.15	0.12	
	C15-C13	1	2.58	0.30	0.15	0.12	
	C13-C11	1	2.58	0.30	0.15	0.12	
	C11-C9	1	2.58	0.30	0.15	0.12	
	C9-C7	1	2.58	0.30	0.15	0.12	
	C7-C5	1	2.58	0.30	0.15	0.12	
	C5-C1	1	1.75	0.30	0.15	0.08	
	Steps / Otta	1	5.42	1.00	0.15	0.81	
	Ramp	1	3.00	3.00	0.10	0.90	
					<b>Total</b>	<b>37.09</b>	<b>Cu.M.</b>
2	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 Add. Spec: Bd.A.2 Page No. 259 SSR 2022-23 Sr.No.725 It.No.21.06						
	For Footings	24	1.50	1.50	0.30	16.20	
					<b>Total</b>	<b>16.20</b>	<b>Cu.M.</b>

Sr. No.	ITEM	No.	L	W	H	QTY.	UNIT
7	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. columns as per detailed designs and drawing or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) Add. Spec: Bd.F.5 Page No. 300 and B.7, Page.No. 38 SSR 2022-23 Sr.No.841 It.No.25.31						
	Up to G.L.(Avg. Plinth Heigh = 0.90 m)						
	For Footings	24	0.23	0.45	0.60	1.49	
	G.L. To Roof beam Bottom (5.17+0.90)	24	0.23	0.45	4.20	10.43	
	For Gable End	4	0.23	0.45	(0.00+3.05)/2	0.63	
					<b>Total</b>	<b>12.55</b>	<b>Cu.M.</b>
8	Item No.8 :Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite/quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compactionand roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) Add. Spec: Bd.F.6 Page No. 300 and B.7, Page No.38 SSR 2022-23 Sr.No.846 It.No.25.50						
	C1-C2	1	4.39	0.23	0.45	0.45	
	C2-C3	1	4.39	0.23	0.45	0.45	
	C3-C4	1	4.43	0.23	0.45	0.46	
	C4-C6	1	3.02	0.23	0.45	0.31	
	C6-C8	1	3.85	0.23	0.45	0.40	
	C8-C10	1	3.85	0.23	0.45	0.40	
	C10-C12	1	3.85	0.23	0.45	0.40	
	C12-C14	1	3.85	0.23	0.45	0.40	
	C14-C16	1	3.85	0.23	0.45	0.40	
	C16-C18	1	3.85	0.23	0.45	0.40	
	C18-C20	1	3.85	0.23	0.45	0.40	
	C20-C24	1	3.85	0.23	0.45	0.40	
	C24-C23	1	4.43	0.23	0.45	0.46	
	C23-C22	1	4.39	0.23	0.45	0.45	
	C22-C21	1	4.39	0.23	0.45	0.45	
	C21-C19	1	3.85	0.23	0.45	0.40	
	C19-C17	1	3.85	0.23	0.45	0.40	
	C17-C15	1	3.85	0.23	0.45	0.40	
	C15-C13	1	3.85	0.23	0.45	0.40	
	C13-C11	1	3.85	0.23	0.45	0.40	
	C11-C9	1	3.85	0.23	0.45	0.40	
	C9-C7	1	3.85	0.23	0.45	0.40	
	C7-C5	1	3.85	0.23	0.45	0.40	
	C5-C1	1	3.02	0.23	0.45	0.31	

Sr. No.	ITEM	No.	L	W	H	QTY.	UNIT
	<b>Lintels</b>						
	C1-C2	1x2	4.39	0.23	0.15	0.30	
	C2-C3	1x2	4.39	0.23	0.15	0.30	
	C3-C4	1x2	4.43	0.23	0.15	0.31	
	C4-C6	1x2	3.02	0.23	0.15	0.21	
	C6-C8	1x2	3.85	0.23	0.15	0.27	
	C8-C10	1x2	3.85	0.23	0.15	0.27	
	C10-C12	1x2	3.85	0.23	0.15	0.27	
	C12-C14	1x2	3.85	0.23	0.15	0.27	
	C14-C16	1x2	3.85	0.23	0.15	0.27	
	C16-C18	1x2	3.85	0.23	0.15	0.27	
	C18-C20	1x2	3.85	0.23	0.15	0.27	
	C20-C24	1x2	3.85	0.23	0.15	0.27	
	C24-C23	1x2	4.43	0.23	0.15	0.31	
	C23-C22	1x2	4.39	0.23	0.15	0.30	
	C22-C21	1x2	4.39	0.23	0.15	0.30	
	C21-C19	1x2	3.85	0.23	0.15	0.27	
	C19-C17	1x2	3.85	0.23	0.15	0.27	
	C17-C15	1x2	3.85	0.23	0.15	0.27	
	C15-C13	1x2	3.85	0.23	0.15	0.27	
	C13-C11	1x2	3.85	0.23	0.15	0.27	
	C11-C9	1x2	3.85	0.23	0.15	0.27	
	C9-C7	1x2	3.85	0.23	0.15	0.27	
	C7-C5	1x2	3.85	0.23	0.15	0.27	
	C5-C1	1x2	3.02	0.23	0.15	0.21	
	<b>Roof Beams</b>						
	C1-C2	1	4.39	0.23	0.45	0.91	
	C2-C3	1	4.39	0.23	0.45	0.91	
	C3-C4	1	4.43	0.23	0.45	0.92	
	C4-C6	1	3.02	0.23	0.45	0.63	
	C6-C8	1	3.85	0.23	0.45	0.80	
	C8-C10	1	3.85	0.23	0.45	0.80	
	C10-C12	1	3.85	0.23	0.45	0.80	
	C12-C14	1	3.85	0.23	0.45	0.80	
	C14-C16	1	3.85	0.23	0.45	0.80	
	C16-C18	1	3.85	0.23	0.45	0.80	
	C18-C20	1	3.85	0.23	0.45	0.80	
	C20-C24	1	3.85	0.23	0.45	0.80	
	C24-C23	1	4.43	0.23	0.45	0.92	
	C23-C22	1	4.39	0.23	0.45	0.91	
	C22-C21	1	4.39	0.23	0.45	0.91	
	C21-C19	1	3.85	0.23	0.45	0.80	
	C19-C17	1	3.85	0.23	0.45	0.80	
	C17-C15	1	3.85	0.23	0.45	0.80	
	C15-C13	1	3.85	0.23	0.45	0.80	
	C13-C11	1	3.85	0.23	0.45	0.80	
	C11-C9	1	3.85	0.23	0.45	0.80	
	C9-C7	1	3.85	0.23	0.45	0.80	
	C7-C5	1	3.85	0.23	0.45	0.80	
	C5-C1	1	3.02	0.23	0.45	0.63	
					<b>Total</b>	<b>35.84</b>	<b>Cu.M.</b>

Sr. No.	ITEM	No.	L	W	H	QTY.	UNIT
9	Item No.9 :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. Add. Spec: Bd.G. 1 Page No. 313 SSR 2022-23 Sr.No.889 It.No.27.01						
	C1-C2	1	4.39	0.23	0.30	0.30	
	C2-C3	1	4.39	0.23	0.30	0.30	
	C3-C4	1	4.43	0.23	0.30	0.31	
	C4-C6	1	3.02	0.23	0.30	0.21	
	C6-C8	1	3.85	0.23	0.30	0.27	
	C8-C10	1	3.85	0.23	0.30	0.27	
	C10-C12	1	3.85	0.23	0.30	0.27	
	C12-C14	1	3.85	0.23	0.30	0.27	
	C14-C16	1	3.85	0.23	0.30	0.27	
	C16-C18	1	3.85	0.23	0.30	0.27	
	C18-C20	1	3.85	0.23	0.30	0.27	
	C20-C24	1	3.85	0.23	0.30	0.27	
	C24-C23	1	4.43	0.23	0.30	0.31	
	C23-C22	1	4.39	0.23	0.30	0.30	
	C22-C21	1	4.39	0.23	0.30	0.30	
	C21-C19	1	3.85	0.23	0.30	0.27	
	C19-C17	1	3.85	0.23	0.30	0.27	
	C17-C15	1	3.85	0.23	0.30	0.27	
	C15-C13	1	3.85	0.23	0.30	0.27	
	C13-C11	1	3.85	0.23	0.30	0.27	
	C11-C9	1	3.85	0.23	0.30	0.27	
	C9-C7	1	3.85	0.23	0.30	0.27	
	C7-C5	1	3.85	0.23	0.30	0.27	
	C5-C1	1	3.02	0.23	0.30	0.21	
	Steps / Otta	1	4.50	0.23	0.30	0.31	
		2	0.77	0.23	0.80	0.28	
		1	1.00	1.50	0.15	0.23	
		1	1.00	1.20	0.15	0.18	
		1	1.00	0.90	0.15	0.14	
		1	1.00	0.60	0.15	0.09	
		1	1.00	0.30	0.15	0.05	
	Ramp	1	3.00	3.00	(0.00 +0.90)/2	4.05	
					<b>Total</b>	<b>11.89</b>	<b>Cu.M.</b>
10	Item No.10 :Providing and laying Cast in situ/Ready Mixcement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including steel centering, formwork, cover blocks, laying/pumping, compacting and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) Add. Spec: Bd.F.9 Page No. 303 and B.7, Page No.38 SSR 2022-23 Sr.No.856 It.No.26.05						
	Canopy On Shutters						
	RS	2	3.30	0.75	0.075	0.37	
					<b>Total</b>	<b>0.37</b>	<b>Cu.M.</b>




Sr. No.	ITEM	No.	L	W	H	QTY.	UNIT
14	Item No.14 :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. Add. Spec: Bd.A.11 Page No. 263 SSR 2022-23 Sr.No.751 It.No.21.37						
	Seed Storage	1	14.54	35.63	0.60	310.84	
	For Footings	24	1.50	1.50	1.20	64.80	
	Deduct P.C.C.In Footings					-8.10	
	Column up to G.L.					-1.49	
	Footings Concrete					-15.55	
	Deduct qty. As per I.No. 16					-25.92	
					<b>Total</b>	<b>324.58</b>	<b>Cu.M.</b>
15	Item No.15 :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 Add. Spec: Bd.G.5 Page No. 315 SSR 2022-23 Sr.No.892 It.No.27.05						
	External Walls						
	C1-C2	1	4.39	0.23	4.35	4.39	
	C2-C3	1	4.39	0.23	4.35	4.39	
	C3-C4	1	4.43	0.23	4.35	4.43	
	C4-C6	1	3.02	0.23	4.35	3.02	
	C6-C8	1	3.85	0.23	4.35	3.85	
	C8-C10	1	3.85	0.23	4.35	3.85	
	C10-C12	1	3.85	0.23	4.35	3.85	
	C12-C14	1	3.85	0.23	4.35	3.85	
	C14-C16	1	3.85	0.23	4.35	3.85	
	C16-C18	1	3.85	0.23	4.35	3.85	
	C18-C20	1	3.85	0.23	4.35	3.85	
	C20-C24	1	3.85	0.23	4.35	3.85	
	C24-C23	1	4.43	0.23	4.35	4.43	
	C23-C22	1	4.39	0.23	4.35	4.39	
	C22-C21	1	4.39	0.23	4.35	4.39	
	C21-C19	1	3.85	0.23	4.35	3.85	
	C19-C17	1	3.85	0.23	4.35	3.85	
	C17-C15	1	3.85	0.23	4.35	3.85	
	C15-C13	1	3.85	0.23	4.35	3.85	
	C13-C11	1	3.85	0.23	4.35	3.85	
	C11-C9	1	3.85	0.23	4.35	3.85	
	C9-C7	1	3.85	0.23	4.35	3.85	
	C7-C5	1	3.85	0.23	4.35	3.85	
	C5-C1	1	3.02	0.23	4.35	3.02	
	Gable End	2	32.09		0.23	14.76	
	Deduct Roof Beams					-19.54	
	Lintels					-6.56	
	Deductions						
	RS	2	3.00	0.23	3.00	-4.14	
	V1	24	1.00	0.23	0.60	-3.31	
					<b>Total</b>	<b>75.27</b>	<b>Cu.M.</b>

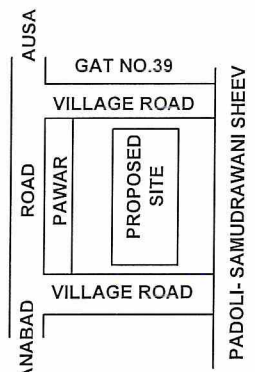
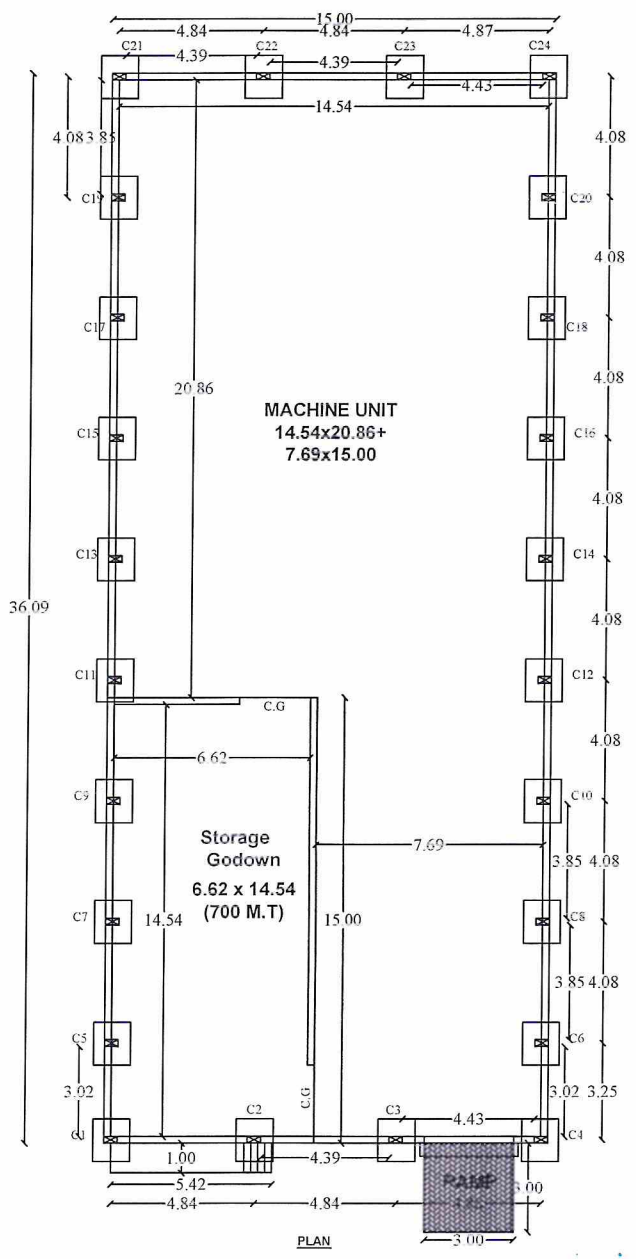
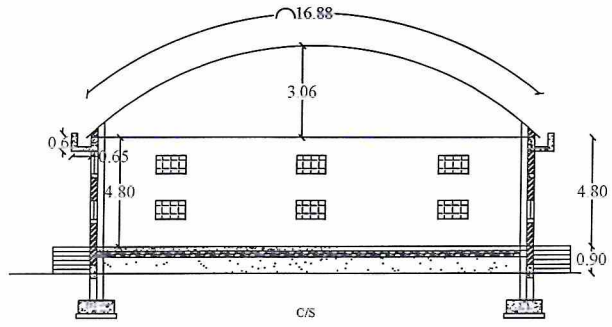
Sr. No.	ITEM	No.	L	W	H	QTY.	UNIT
16	Item No.16 :Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section 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) Add. Spec: BD-T-55 Page No. 510 SSR 2022-23 Sr.No.1217 It.No.39.24						
	RS	2	3.00		3.00	18.00	
					<b>Total</b>	<b>18.00</b>	<b>Sq.M.</b>
17	Item No.17 :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. Add. Spec: BD-T-53 Page No. 509 As directed by Engineer in charge. SSR 2022-23 Sr.No.1222 It.No.39.29						
	V	24	1.00		0.60	14.40	
					<b>Total</b>	<b>14.40</b>	<b>Sq.M.</b>
18	Item No.18 :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. complete Add. Spec: Bd.L.4 Page No. 368 SSR 2022-23 Sr.No.960 It.No.32.06						
	Walls	2	14.54		4.35	126.50	
		2	35.63		4.35	309.98	
	Gable End	2	32.09			64.18	
	Deductions						
	RS	2	3.00		3.00	-18.00	
	V1	24	1.00		0.60	-14.40	
					<b>Total</b>	<b>468.26</b>	<b>Sq.M.</b>

Sr. No.	ITEM	No.	L	W	H	QTY.	UNIT
19	Item No.19 :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 surface by taking out grains and curing for fourteen days scaffolding etc.complete. Add. Spec: Bd.L.7 Page No. 369 SSR 2022-23 Sr.No.963 It.No.32.11						
	Front Side & Back Side	2	15.00		4.95	148.50	
	Left & Right Side	2	36.09		4.95	357.29	
	Gable End	2	32.09			64.18	
	Canopy On Shutters						
	RS	4	3.30	0.75		9.90	
	Deductions						
	RS	2	3.00		3.00	-18.00	
	V1	24	1.00		0.60	-14.40	
					<b>Total</b>	<b>547.47</b>	<b>Sq.M.</b>
20	Item No.20 :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. Add. Spec: As directed by Engineer in charge SSR 2022-23 Sr.No.1017 It.No.33.30						
	Seed Storage	1	14.54	35.63		518.06	
					<b>Total</b>	<b>518.06</b>	<b>Sq.M.</b>
21	Item No.21 :Providing and laying chequered tiles of approved quality of size 30 cm x 30 cm, confirming to corresponding I.S. for flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with cement slurry cleaning curing etc. complete. Add. Spec: Bd. M-12 page No. 385 SSR 2022-23 Sr.No.1050 It.No.33.66						
	Steps / Otta	1	5.42	1.00		5.42	
		6	1.00	0.15		0.90	
	Ramp	1	3.00		3.00	9.00	
					<b>Total</b>	<b>15.32</b>	<b>Sq.M.</b>
22	Item No.22 :Providing and applying washable oil-bound distemper of approved colour and shade to old and new surfaces in two coats including scaffolding, preparing the surfaces. (excluding the primer coat.) etc. complete. Add. Spec: Bd.P.5 Page No. 413 SSR 2022-23 Sr.No.1106 It.No.36.11						
	Quantity As Per It. No.18					468.26	
					<b>Total</b>	<b>468.26</b>	<b>Sq.M.</b>
23	Item No.23 :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. NOTE: For Item No. 15 to 18 prior approval of Superintending Engineer will be necessary Add. Spec: As directed by Engineer in charge. SSR 2022-23 Sr.No.1095 It.No.35.26						
	Quantity As Per It. No.19					547.47	
					<b>Total</b>	<b>547.47</b>	<b>Sq.M.</b>

Sr. No.	ITEM	No.	L	W	H	QTY.	UNIT
24	<p>Item No.24 :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 15.30 meter having arch rise as 3.06 meter, arch length 17.75 meter. The base material made up of imported galvalume steel complying to ASTM A792 having base metal thickness of 0.80 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 7' 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.</p> <p>Add. Spec: As directed by Engineer in charge.</p> <p>SSR 2022-23 Sr.No.1181 It.No.38.41</p>						
	Roof	1	16.88	36.09		609.20	
					<b>Total</b>	<b>609.20</b>	<b>Sq.M.</b>

  
**Vishnu N. Chavan**  
 Consulting Engineer-I  
 Reg. No.OMC/742/17

Name of Work :- Construction of Industrial Shed For Iwatch Farmer Producer Company In Gat No 41 At Samudrawani Tq Dist Osmanabad.



LOCATION PLAN

*(Signature)*  
**Vishnu N. Chavan**  
 Consulting Engineer-I  
 Reg. No.OMC/742/17