



# **DETAILED ESTIMATE**

**Year 2022-23**

**For**

**-: NAME OF WORK :-**

**Construction of Tin Shade to Seed Processing Unit  
Plant For Lodhai Mata Farmer Producer Company  
Lmtd. At. Asola Tq. Risod Dist. Washim**

**Rs. 1080000**

**"ESTIMATE"**

Division : Z.P. Works, Division,  
Degalur

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 Tin Shade to Seed Processing Unit Plant For Lodhai Mata Farmer Producer  
Company Lmtd. At. Asola Tq. Risod Dist. Washim**

**Year 2022-23**

**Rs. 1080000**

Administratively Approved Under

2021-22

Technically Sanctioned under

2022-23

No. Dated

Estimate Prepared by Shri.

And Checked by  
(Call or Authority)

**"GENERAL DESCRIPTION"**  
**Attached Separately**

Mahendra Puroshottam Pabghan  
Civil Engg. & Govt. Contractor  
Regd.No. -479/2019 (सांघकास विभाग)

## GENERAL REPORT

कामाचे नाव : Construction of Tin Shade to Seed Processing Unit Plant For  
Lodhal Mata Farmer Producer Company Lmtd. At. Asola Tq.  
Rlsod Dist.Washlm

अंदाजित किंमत : १०८००००

अधिकार : Year २०२२-२३

आवश्यकता : There is not have a Shade for Tools Bank . It requirs Construct.  
TheTeen Shade work is sanction under २०२१-२२. 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  
पासुन लागु असलेली) च्या दरसुचीनुसार दर घेण्यात आलेले आहेत. सदर काम हे  
शासनाद्वारे मंजुर व वेळोवेळी सुधारणा करण्यात आलेल्या विनिर्देशनाप्रमाणे करण्यात येईल.

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

Construction of Tin Shade to Seed Processing Unit Plant For Lodhal Mata Farmer Producer Company Lmtd. At. Asola Tq. Risod Dist.Washim

Year 2022-23

GENERAL ABSTRACT



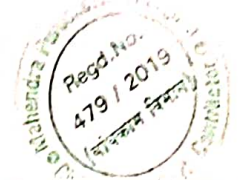
Sr. No.	Particular	Amount
1	Cost of Estimate	Rs. 943337.96
		<hr/>
		Rs. 943337.96
2	Add for Royalty Charges	Rs. 12154.47
3	Add for Testing Charges	Rs. 2070.00
4	Add for Contingencies 1%	Rs. 9237.38
5	Add 12 % For GST	113200.55
		Total Rs. 1080000.37
		Say Rs. 1080000

Mohendra Parashottam Padghar  
Civil Engg. & Const. Contractor  
Regd.No. 479/2019 (पंचकाम विभाग)  
Regd.No. -479 / 2019 (पंचकाम विभाग)

**Construction of Tin Shade to Seed Processing Unit Plant For Lodhai Mata Farmer Producer Company Lmtd. At. Asola Tq. Risod Dist.Washim**

**Year 2022-23**

**"ABSTRACT"**



Quantity	Item of work	Rate	Unit.	Amount
3.28	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	633.14
39.30	Cum Item No.2 :-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	51952.00
22.656	Cum Item No. 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, 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	125470.00
10.669	Cum Item No. 4 :-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	122510.00
21.600	Sqm Item No. 5 :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 1 kg per 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. Bd.L.7 Page No. 369 SSR 2021-22 I.No. 32.11 P.No.201	599.00	Sqm	12938.00

## "ABSTRACT"

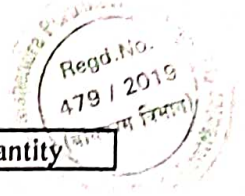
Quantity	Item of work	Rate	Unit.	Amount
0.00	Sqm Item No.6 :Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to new plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete. 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	0.00
0.838	MT Item No. 7 :-Providing structural steel work in hollow section of various thickness and sizes in square, rectangular and round shape from 25mm to 450mm section as per IS 4923 YST 310 Grade produced from iron ore and blast furnace route etc. as per detailed designs and drawing or as directed including cutting, fabricating, hoisting, erecting, fixing in position, making riveted/bolted/ welded connections and painting complete..[Spec. No. As directed byEngineer in Charge.] (S.S.R.2021-22 I.No.23.12P.No.168)	101994.00	MT	85451.59
2.15	MT Item No. 8 :-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)	89181.00	MT	191552.23
294.00	Sqm Item No. 9 : Providing and fixing corrugated galvanised iron sheets of 0.63mm thick (24 B.W.G.) for roofing without wind tiles including fastening with galvanised iron screws and bolts, lead and bitumen washers as per drawing etc. complete.(Weight of 5.5 kg/sq.m.). Spec No. [Bd.R.5, Page No. 453] (S.S.R. 2021-22 I.No. 38.04 P.No224)	816.00	Sqm	239904.00
0.907	MT Item No. 10 : Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete. Bd.F.17, Page No. 306 SSR 2021-22 I.No. 26.33 P.No. 182	71778.00	MT	65092.00

## "ABSTRACT"

Quantity	Item of work	Rate	Unit.	Amount
15.000 Sqm	Item No. 11 : Providing and fixing mild steel grill gate with angle iron frame 65mm x 65mm x 10mm with iron bars at 150mm C/C and diagonal flats as per the detailed drawing including hinges, pivot block locking arrangement, welding riveting and oil painting of three coats of approved shade Weight of gate 35 Kilogram/Smt Bd.W.6 Page Number585 SSR 2021-22 I.No. 44.10 P.No.213	2974.00	Sqm	44610.00
1.00 No.	Item No.12 : 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
<b>Total Rs.</b>				<b>943337.96</b>

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

MEASUREMENT



Item of work	No.	L.	B.	D.	Quantity
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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 )

Columns	18	0.45	0.45	0.90	3.281
					<b>3.281 Cum</b>

Item No.2 :-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

Floor	18	0.45	0.45	0.15	0.547
	1	13.54	9.54	0.30	38.751
					<b>39.298 Cum</b>

Item No. 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, 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)

For Fixing Poles	18	0.45	0.45	0.90	3.281
Floor	1	13.54	9.54	0.15	19.376
					<b>22.656 Cum</b>

Item No. 4 :-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 )

Ground Beam	6	14.000	0.23	0.45	8.69
	2	9.540	0.23	0.45	1.97
					<b>10.67 Cum</b>

Item No. 5 :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 1 kg per 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. Bd.L.7 Page No. 369 SSR 2021-22 I.No. 32.11 P.No.201

	2	14.00	0.45		12.600
	2	10.00	0.45		9.000
					<b>21.600 Sqm</b>

Item No. 6 :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. 11					<b>0.000 Sqm</b>
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## MEASUREMENT

Item of work	No.	L.	B.	D.	Quantity
<p>Item No. 7 :-Providing structural steel work in hollow section of various thickness and sizes in square, rectangular and round shape from 25mm to 450mm section as per IS 4923 YST 310 Grade produced from iron ore and blast furnace route etc. as per detailed designs and drawing or as directed including cutting, fabricating, hoisting, erecting, fixing in position, making riveted/bolted/ welded connections and painting complete..[Spec. No. As directed byEngineer in Charge.] (S.S.R.2021-22 I.No.23.12P.No.168)</p>					
Hallow Circular Pipe Strut 90 mm dia	18	5.35			96.300
		8.7 kg/m			837.810 kg
					<b>0.838 MT</b>
<p>Item No. 8 :-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>					
Purline Angles 40x40x5mm	16	11.00			176.000 Rmt
	8	12.00			96.000
	8	19.36			154.880
					426.880 Rmt
		3 kg/rmt			1280.640 kg
Truss Angle 45x45x6mm	12	14.00			168.000 Rmt
					168.000 Rmt
		4 kg/Rmt			672.000
					<b>Total Weight</b>
					1952.640 kg
Add 10 % Extra for Westage					195.264 kg
					2147.904 kg
					<b>Total</b>
					2.148 MT
<p>Item No. 9 : Providing and fixing corrugated galvanised iron sheets of 0.63mm thick (24 B.W.G.) for roofing without wind tiles including fastening with galvanised iron screws and bolts, lead and bitumen washers as per drawing etc. complete.(Weight of 5.5 kg/sq.m.). Spec No. [Bd.R.5, Page No. 453] (S.S.R. 2021-22 I.No. 38.04 P.No224)</p>					
	1	15.00	11.00		165.000
Sides	2	14.00	3.00		84.000
	2	10.00	3.00		60.000
	-2	3.00	2.50		-15.000
					<b>294.000 Sqm</b>
<p>Item No. 10 : Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete. Bd.F.17, Page No. 306 SSR 2021-22 I.No. 26.33 P.No. 182</p>					
Qty as per I.No. 4 Beam	10.669	x			
	10.669	x	85 Kg/Cum		906.8463
					906.846 Kg
					<b>0.907 MT</b>
<p>Item No. 11 : Providing and fixing mild steel grill gate with angle iron frame 65mm x 65mm x 10mm with iron bars at 150mm C/C and diagonal flats as per the detailed drawing including hinges, pivot block locking arrangement, welding riveting and oil painting of three coats of approved shade Weight of gate 35 Kilogram/Smt Bd.W.6 Page Number585 SSR 2021-22 I.No. 44.10 P.No.213</p>					

## MEASUREMENT

Item of work	No.	L.	B.	D.	Quantity
	2	3.00	2.50		15.000
					15.000 Sqm

Item No. 12 : 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, I.E.S.

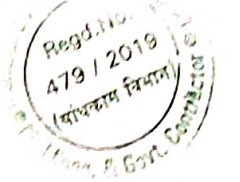
Civil Engg. & Govt. Contractor

Regd.No. -479 / 2019 (बांधकाम विभाग)

Construction of Tin Shado to Seed Processing Unit Plant For Lodhal Mata  
Farmer Producer Company Lmtd. At. Asola Tq. Riad Dist. Washim

Year 2022-23

ROYALTI STATEMENT



S.No.	Item	Estimated Quantity	Material			
			80mm metal	40mm metal	Sand	Murum
1	80 mm soling	39.30	39.29823			7.859646
2	M 10	22.66			3.40	
3	M 20	10.67			4.53	
4	Sand F.Plaster	21.60			0.32	
Total		72.62325	39.29823	0	8.257	7.86
Rate of Royalti			216.18	216.18	237.37	216.18
Total			8495.4914	0	1959.88516	1699.098
Amount	12154					

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

Construction of Tin Shade to Seed Processing Unit Plant For Lodhal Mata  
Farmer Producer Company Lmtd. At. Asola Tq. Risod Dist.Washim

Year 2022-23



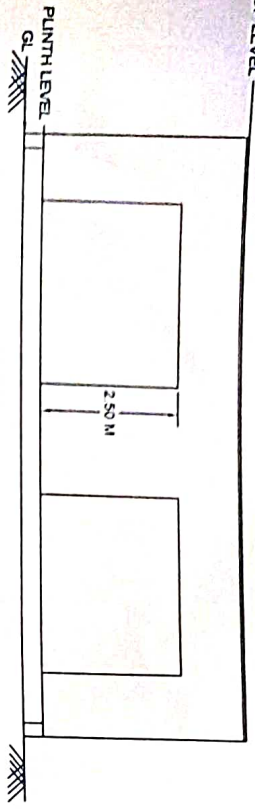
LABORATORY TESTING CHARGES STATEMENT

S.No.	Item	Estimated Quantity	Material	Required test	Frequency of sampling	Charges	Amount Rs.
1	CC M-20	10.67	Metal	Compressive strength of cc cube	1	690.00	690.00
2			Sand	Silt content	1	1380.00	1380.00
Total							2070.00

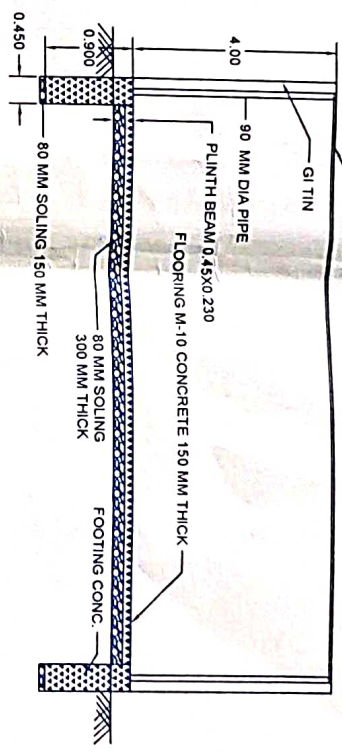
Civil Engg. & Govt. Contractor  
Regd.No. -479/2019 (बांधकाम विभाग)

CONSTRUCTION OF TIN SHADE TO SEED PROCESSING UNIT PLANT  
 FOR LODHAI MATA FARMER PRODUCER COMPANY, LMTD AT ASOLA TQ. RISOD DIST. WASHIM

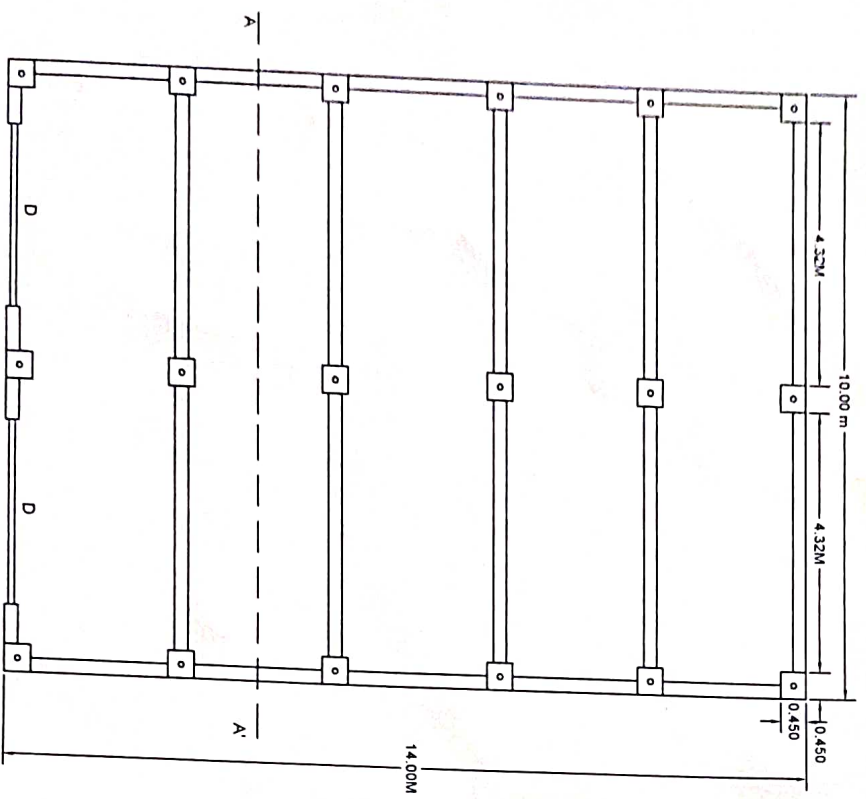
ROOF LEVEL



ELEVATION



SECTION A-A



PLAN



SCALE 1:100



CONSTRUCTION OF TIN SHADE TO SEED PROCESSING UNIT PLANT

AT .....  
 TO .....  
 DIST .....

FOR THE .....

AREA STATEMENT

PLOT AREA .....  
 BUILTUP AREA = 10X14 = 140.0 SQ.M

SCHEDULED OF OPENING

D- GRILL GATE - 3.0 X 2.50 M

SANCTIONING AUTHORITY

ENGINEER: *Padgham Prabhakar*  
 Mr. ER. MAHENDRA PRASHOTAM PADGHAN  
 Civil Engg. & Govt. Contractor  
 Regd. No. 479 / 2019 (राज्यकत रिकारत)

OWNER

Lodhai Mata Farmer Producer Company Lmtd.  
 At. Asola Tq. Risod Dist. Washim