

ORIGINAL/ DUPLICATE

ESTIMATE

Name of Work :-

**CONSTRUCTION OF MACHINERY
PLANT SHED BELONGS TO KELAPUR
ADIWASI FARMER PRODUCER
COMPANY LTD. DHARNA, TAH.
KELAPUR, DIST. YAVATMAL.**

BUILT UP AREA 540 SQM.

Estimated Cost

Rs. 35,60,238/-

*Rs. Thirty Five Lac Sixty Thousand Two Hundred &
Thirty Eight Only*


Er. MANISHA BISEN
B.E. CIVIL , MBA
Approved Valuer, Cat-I-A-5970
Ganesh Nagar Gondia .7588607339

ESTIMATE

TO WHOM SO EVER IT MAY CONCERN

Name of Work:-

CONSTRUCTION OF MACHINERY PLANT SHED BELONGS TO
KELAPUR ADIWASI FARMER PRODUCER COMPANY LTD. DHARNA, TAH.
KELAPUR, DIST. YAVATMAL.

Estimate Cost Rs. 35,60,238/-

Estimate Prepared By: - *Aaryan Constructions*

Cat - I/A-5970, Consulting Civil Engineer & Valuer

GENERAL REPORT

Necessity :- There is need to plant Shed Building on his own land in Village, Therefore on Request of owner this estimate have been prepared.

Provisions :- *Following provisions are made in the estimate.*

CC M10 for Foundation on 80 mm soling

CC M20 For Column Footing, RCC Column, Beam,

With TMT Reinforcement of Various sizes.

BBM in Foundation & in Superstructure in CM 1:6

Cement Plaster in CM to Wall surfaces

C.C. Flooring for shed and Room

White wash to Internal / External wall surfaces,

and other necessary provisions are made in estimate.

Rates & Specification:-

The rates are adopted for preparation of the estimate as per current State Scheduled Rate(SSR) of Govt. of Maharashtra for year 2021-2022 ,And work will be executed as per direction of Engineer In charge, Standard specification.

(Rate consider in Estimate is 540 sqm. @ 6593/-)

Prepared By

Signature of Owner

Sanctioning Authority


Er. MANISHA BISEN
B.E.CIVIL , MBA
Approved Valuer, Cat-I-A-5970
Ganesh Nagar Gondia .7588807339

Name Of Work:-

**CONSTRUCTION OF MACHINERY PLANT SHED BELONGS TO
KELAPUR ADIWASI FARMER PRODUCER COMPANY LTD. DHARNA,
TAH. KELAPUR, DIST. YAVATMAL.**

INDEX	SIZE	DETAIL OF REINFORCEMENT FOR COLUMN'S FOOTING
FOOTINGS	0.90X1.20	10mm Dia. @ 150mm C/C Both way

INDEX	SIZE	DETAIL OF REINFORCEMENT FOR COLUMNS
COLUMN C1	0.30X0.45	12mm Dia. - 8 No as Main Bars with 8mm dia. Stirups @ 200mm C/C
COLUMN C2	0.30X0.60	16mm Dia. - 12 No as Main Bars with 8mm dia. Stirups @ 200mm C/C

INDEX	SIZE	DETAIL OF REINFORCEMENT FOR BEAMS
PLINTH BEAMS	0.23X0.30	12mm Dia. - 2 No as Main Bars @ Top
		12mm Dia. - 2 No as Main Bars @ Bottom
		12mm Dia. - 2 No as Bent up Bars
		Stirups - 8mm dia. Stirups @ 150mm C/C
COPING		10mm Dia. - 2 No as Main Bars
		Stirups - 8mm dia. Stirups @ 250mm C/C
LINTELON WINDOWS	0.23X0.23	10mm Dia. - 2 No as Main Bars @ Top
		10mm Dia. - 2 No as Main Bars @ Bottom
		Stirups - 8mm dia. Stirups @ 200mm C/C
LINTEL ON RS & TOP BEAMS	0.23X0.23	12mm Dia. - 2 No as Main Bars @ Top
		12mm Dia. - 2 No as Main Bars @ Bottom
		12mm Dia. - 2 No as Bent up Bars
		Stirups - 8mm dia. Stirups @ 150mm C/C

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Aaryan Constructions

Manisha C. Bisen

Approved Valuer, B.E. Civil, MBA

Lic. No. W29GONP/05244

Office address

Near Saket School, Gouri Nagar,

Ganesh Nagar, Gondia

Mob. No. 7588807339

Date :-

TO WHOM SO EVER IT MAY CONCERN

CERTIFICATE

THIS IS TO CERTIFY THAT THE TOTAL ESTIMATED COST FOR THE CONSTRUCTION OF MACHINERY PLANT BELONGING TO KELAPUR ADIWASI FARMER PRODUCER COMPANY LTD.

CONSTRUCTION OF MACHINERY PLANT SHED BELONGS TO KELAPUR ADIWASI FARMER PRODUCER COMPANY LTD. DHARNA, TAH. KELAPUR, DIST. YAVATMAL.

HAVING BUILT UP AREA – 540.00 Sqmt. = 5810.0 SqFt.

WILL BE AS PER BELOW,

DISBURSEMENT SCHUDULE

Sr. No	NAME OF STAGE		AMOUNT	TOTAL AMT
1	Up to Plinth Level Construction (35%)	Rs.	1246083.3	1246083.3
2	Up To Roof Level Construction (45%)	Rs.	1602107.1	2848190.4
3	Up to Floor Finish Completion (20%)	Rs.	712047.6	3560238

Total Expenditure Rs. 35,60,238

NOTE:- The Rates are adopted from State Schedule of Rates (SSR) of Public Works Department of Govt. of Maharashtra for Year 2021-22

Prepared By :-


Er. MANISHA BISEN
B.E. CIVIL, MBA
Approved Valuer, Cat-I-A-5970
Ganesh Nagar Gondia .7588807339

NAME OF WORK :- Abstract & Estimate of MACHINERY SHED PLAN
BELONGS TO KELAPUR ADIWASI FARMER PRODUCER COMPANY LTD.
DHARNA, TAH. KALAPUR, DIST. YAVATMAL.
(Built up area = 540.0 Sqmt.)

Sr. No	PARTICULARS	Nos	L(M)	B(M)	H/D(M)	QTY(Cum)	RATE	AMOUNT
1	Excavation for foundation earth, soils of all types, sand, gravel & soft murum, including removing the excavation material up to a distance of 50 m and necessary back filling, raming, watering, including shoring & strutting as necessary complete. SSR No. 21.01, Page No. 152							
		C.1	10	1.20	1.20	1.50	21.600	
		C.2	18	1.30	1.30	1.50	45.630	
						67.230	217	14588.9
						Cum		
2	Providing and laying in situ cement concrete in 1:4:8 of trap/granite/quartzite/gneiss metal for foundation andfor rendering uneven and honey combed surface only. Newly laid concrete shall be covered by gunny bag, plastic, trapaulin etc. SSR No. 24.01, Page No. 173							
		C.1	10	1.20	1.20	0.10	1.440	
		C.2	18	1.30	1.30	0.10	3.042	
	Floor bed		1	14.54	29.54	0.10	42.951	
						47.433	5449	258463.2888
						Cum		
3	Providing and laying in situ/Ready Mix cement concrete M20 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 stanchion 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 microprocessor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) . SSR No. 25.11, Page No. 176							
			10	1.00	1.00	0.30	3.000	
			18	1.10	1.10	0.30	6.534	
						9.534	6440	61398.96
						Cum		
4	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 microprocessor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade). SSR No. 25.31, Page No. 177							
	a) below G.L.	C.1	10	0.23	0.35	1.85	1.489	

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Sr. No	PARTICULARS	Nos	L(M)	B(M)	H/D(M)	QTY(Cum)	RATE	AMOUNT
	a) above G.L. C.1	10	0.23	0.30	0.90	0.621		
	a) below G.L. C.2	18	0.23	0.35	1.85	2.681		
	a) above G.L. C.2	18	0.23	0.35	0.90	1.304		
						2.110	12528	26437.21
						Cum		
5	Providing and laying Cast in situ/Ready Mix cement concrete M20 of trap/granite/quartzite/gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel), with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade). ssr item no. 25.50, Page No. 179							
	A) at ground level	2	15.00	0.23	0.45	3.105		
		2	30.00	0.23	0.45	6.210		
						9.315		
	B) At Lintel Level							
		3	15.00	0.23	0.15	1.553		
		3	30.00	0.23	0.15	3.105		
						4.658		
	Net		9.32		4.66	13.973	11104	155150.64
						Cum		
8	Providing second class Burnt Brick masonry with conventional/I.S. type bricks in cement mortar 1:6 in foundations and plinth in the external walls including bailing out water manually, striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete. Ssr Item No. 27.01, Page No. 193							
		2	15.00	0.23	0.60	4.140		
		2	30.00	0.23	0.60	8.280		
						12.420	6663	82754.46
						Cum		
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. Ssr Item No. 27.05, Page No. 193							
		2	15.00	0.23	3.00	20.700		
		2	30.00	0.23	3.00	41.400		
						62.100		
	Deduction							
	Shutter	2	3.18	0.23	3.00	4.388		
						4.388		


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Sr. No	PARTICULARS	Nos	L(M)	B(M)	H/D(M)	QTY(Cum)	RATE	AMOUNT
			62.1		4.39	57.712	6874	396709.54
						Cum		
11	Providing and laying Cast in situ/Ready Mix cement concrete in M20 of trap/granite/quartzite/gneiss metal for R.C.C. coping to plinth or parapet and sill of doors and windows moulded as per detailed drawings or chamfered as approved by the Engineer including steel centering, formwork, cover blocks, laying/pumping, compacting, curing, finishing and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel), with fully automatic microprocessor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade), Ssr Item No.26.23, Page No. 183							
	1 To plinth							
		2	15.00	0.23	0.600	4.140		
		2	30.00	0.23	0.600	8.280		
						12.420	6519	80965.98
						Cum		
12	Filling in plinth and floors with contractors approved material/sand or murum in 15 to 20 CM layer including watering and compaction complete. Ssr Item No							
	Floor bed							
		1	15.00	30.00	0.60	270.000		
		10	1.200	1.20	2.40	34.560		
		18	1.300	1.70	2.40	95.472		
						400.032	480.00	192015.36
						Cum		
13	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:5 without neerufinish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete. Ssr Item No. 32.03, Page No. 205							
		2	15.00		6.00	180.000		
		2	30.00		6.00	360.000		
						540.000		
	Deduction							
	Shutter	2	3.18		3.00	19.080		
						19.080		
				540	19.08	520.92	257	133876.44
						Sqm		


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Sr. No	PARTICULARS	Nos	L(M)	B(M)	H/D(M)	QTY(Cum)	RATE	AMOUNT
14	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15mm thick in cement mortar 1:4 using waterproofing compound at 1 Kilogram 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 8mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc. complete. Ssr Item No. 32.11, Page No. 205							
		2	15.00		10.05	301.50		
		2	30.00		10.05	603.00		
						904.50		
	Deduction							
	Shutter	1	3.18		3.00	9.540		
	Shutter 1	1	1.98		3.00	5.940		
						15.480		
			905		15.48	889.02	599	532522.98
						Sqm		
15	Providing and fixing in position TMT- FE500 bar reinforcement of various diameters for R. C. C. pil caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete. Ssr Item No. 26.33, Page No. 186							
	Footing		9.53	172.0		1639.848		
	Column		2.11	172.0		362.963		
	Beam		13.97	172.0		2403.270		
						4406.1		
						4.406	65117	286910.78
						Mt		
17	Providing and laying cement concrete flooring 50mm thick with M20 cement concrete laid to proper level and slope in alternate bays including compaction, filling joints, marking line to give the appearance of tiles of 30cm x 30cm or other size laid diagonally/square etc. finishing smooth (with extra cement) in any colour as directed and curing etc. complete. With Crushed Sand. Ssr Item No. 33.16, Page No. 210							
		1	14.54	35.54		516.752	423.00	218585.93
			29.54			Sqm.		
19	Providing and applying two coats of waterproof cement paint to approved manufacture and of approved colour to the plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete. Ssr Item No. 35.13, Page No. 220							
						1409.94	72.00	101515.68

M. Bisen

Sr. No	PARTICULARS	Nos	L(M)	B(M)	H/D(M)	QTY(Cum)	RATE	AMOUNT
						Sqm.		
21	Providing and fixing rollings shutter fabricated from steel lath of minimum thickness 0.9mm with lock plate of 3.15mm thickness reinforced with 35x35x5mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channels section of depth and thickness not less than 65mm and 3.15mm respectively with hold fast arrangements, M.S. Bracket plate 300x300x3.15mm minimum size and shape with square bar, suspension shaft of minimum 32mm diameter, hood cover of M.S. sheet not less than 0.9mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade cast iron or mild steel and one coat of red lead primer etc. complete. (I.S. 62481979) (Without mechanical gear. Ssr Item No.39.24 Page. No. 242							
		1	3.18		3.00		9.540	
		1	1.98		3.00		5.940	
							15.480	4084.0 63220.32
						Sqm		
22	Providing structural steel work in ISMC Columns with all bracing, gusset plates etc. as per detail drawing or as directed including cutting, fabricating, hoisting, erecting,, fixing in position, making riveted/bolted/ welded connection and one coat of anticorrosive paint and over it two coat of oil painting of approved quality and shade complete. Ssr item no. (ISMC 350x100 mm)							
	Truss	2	8.00	42.7	6.00	4099	66.85	274031.52
23	Providing structural steel work in trusses, purlins and members with all bracing, gusset plates etc. as per detail drawing or as directed including cutting, fabricating, hoisting, erecting,, fixing in position, making riveted/bolted/ welded connection and one coat of anticorrosive paint and over it two coat of oil painting of approved quality and shade complete. Ssr item no.							
	Truss	8 @		350		2800		
	Purlins	8 @		116		928		
						3728.0		
						3.728	66850	249216.80
						M.T.		
24	Providing and fixing 22B.W.G. plain galvanized iron sheets on top of weather shed, including scaffolding, fixing by means of nut and bolts or as directed etc. complete. (Bracket of 70 x 45 mm to be paid separately) SSR Item No.39.88, Page No. 256							
		1	16.80	30.00		504.000		
						504.00	741.00	373464.00
						Sqm		

Sr. No	PARTICULARS	Nos	L(M)	B(M)	H/D(M)	QTY(Cum)	RATE	AMOUNT
25	Providing and fixing valley gutter of 22 B.W.G. (0.8mm) plain galvanised iron sheets 90cm wide with teak wood planking 20mm thick including two coats of coal tar on the upper surface of plank etc. complete. (excluding painting to underside of plank). SSR Item No. 38.09 Page No. 228							
		1	30.00			30.000	1947.0	58410.00
							Rmt.	
						Total	Rs.	3560238.79
						Say	Rs.	3560238/-
(Rs. Thirty Five Lac Sixty Thousand Two Hundred & Thirty Eight Only)								


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