



MK Infrastructure

Mayur Kolhe

Civil Engineer & Contractor

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GSTIN : 27GEHPK4409A1ZR

NAME OF WORK -

PROPOSED DETAILED ESTIMATE FOR COMMERCIAL SHED CONSTRUCTION ON SURVEY NO - 26
P.H NO. 3S AT-SHIONI TAH- RAMTEK DIST- NAGPUR

BELONGING TO COMPANY -

GURUDEO AGRICULTURE FARMERS PRODUCER COMPANY LTD.

(ADDRESS- GOVIND B LONDHE, AT MASLA, TH -RAMTEK, NAGPUR)

LAND OWNER -

MR. KUMODHANI MORESHWAR HINGE

GENERAL ABSTARCT

Sr. No.	Description	Amount
A)	Cost of Civil Work	₹ 83,89,442.27
B)	Add internal Electrification 5% of (A)	₹ 4,19,472.11
C)	Add internal Plumbing and Sanitary and 5% of (A)	₹ 4,19,472.11
D)	Add 2% Contigencis of (A)	₹ 1,67,788.85
E)	Add 2% Consultancy Charges on (A)	₹ 1,67,788.85
	TOTAL ESTIMATED COST OF WORK	₹ 95,63,964.19
	SAY	₹ 95,63,964.00

(NINTY FIVE LAKH SIXTY THREE THOUSAND NINE HUNDRED SIXTY FOUR)



NAME OF WORK -
 PROPOSED PLAN FOR COMMERCIAL SHED CONSTRUCTION ON SURVEY NO 49/1
 AT-HAMLAPURI PO- NAGARDHAN TAH- RAMTEK DIST- NAGPUR
 BELONGING TO COMPANY -
 MATOSHREE AGRO FARMER PRODUCER COMPANY LTD.

DETAILED ESTIMATE

SR. NO.	DESCRIPTION	NO.	LENGTH	WIDTH	HEIGHT	QTY	UNIT	RATE /UNIT	AMOUNT (₹)	
1	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. By Mechanical Means									
		Lift up to 1.5 m	20	1.70	1.70	1.50	86.70			
			4	1.70	1.70	1.50	17.34			
							<u>104.04</u>	Cum.	193.00	20079.72
		Lift from 1.5m to 3.00 m	20	1.70	1.70	0.95	54.91			
			4	1.70	1.70	0.95	10.98			
					<u>65.89</u>	Cum.	203.80	13428.79		
2	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete. Footing Trench filling	24	1.70	1.70	0.20	13.87	Cum.	1910.00	26495.52	
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 (Crushed sand VSI Grade) P.C.C	24	1.60	1.60	0.20	12.29	Cum.	5589.40	68682.55	
4	Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully 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) Footing	24	1.50	1.50	0.40	21.60	Cum.	6665.00		
5	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete. Excavated Trench Filling					114.15	Cum.	1910.00	218026.50	

Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)

Ground level Beam (G.L)	2	12.19	0.23	0.45	2.52		
	2	39.10	0.23	0.45	8.09		
					10.62 Cum.	11493.00	122021.53

7 Providing preconstructional antitermite treatment as per I.S. 6313 (Part-II) by treating the top surface of plinth filling at the rate of 5 litres of emulsion concentrate at 1.0 percent of clorophyrifos per square metre of surface area covering ten years guarantee on bond paper.

	1	39.10	12.19		476.63 Sqm.	101.00	48139.53
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8 Filling in plinth and floors with contractors material/brought from outside in layers of 15 cm to 20 cm including watering and compaction etc.complete.

Plinth filling	1	38.20	11.29	0.80	431.28 Cum.	763.15	329129.81
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9 Providing and laying damp proof course 50 mm thick in M20 cement concrete layer and bitumen / using cement with waterproofing compound curing, formwork etc. complete

	1	39.10	12.19		476.63 Sqm.	441.05	210217.22
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10 Providing and applying water proofing treatment using acrylic polymer modified cement based water proofing coating with fibre glass mesh mixing at the rate of powder to liquid (2:1) by weight covering 9 to 10 Square Metre /Kilogram with two coat using approved chemicals for masonry and concrete surface by brush covering 7 years guarantee on Stamp Papers etc. complete.

					476.63 Sqm.	596.00	284071.48
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11 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)

PCC of 0.20m over Plinth filling	1	38.64	11.73	0.20	90.65 Cum.	5538.00	502016.60
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12 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

Column	24	0.40	0.40	6.10	23.42		
Column below GL	24	0.45	0.45	1.65	8.02		
					31.44 Cum.	12995.00	408601.79

Providing and laying Cast in situ/Ready Mix cement concrete M 20 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)

Beam At 1.5m Ht. above Plinth	1	12.19	0.23	0.23	0.64		
	2	39.10	0.23	0.23	4.14		
Beam At 3.0 m Ht. above Plinth	1	12.19	0.23	0.23	0.64		
	2	39.10	0.23	0.23	4.14		
Beam At 4.50 m Ht. above Plinth	2	12.19	0.23	0.20	1.12		
	2	39.10	0.23	0.20	3.60		
Top level Beam	2	12.19	0.23	0.30	1.68		
	2	39.10	0.23	0.30	5.40		
					21.36 Cum.	11503.00	245703.64

14 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.

BM in Plinth	2	39.10	0.23	0.55	9.89		
	2	12.19	0.23	0.55	3.08		
BM in Superstructure (above Plinth)	2	39.10	0.23	5.30	95.33		
	2	12.19	0.23	5.30	29.72		
					138.02 Cum.		
Deduction							
Rolling Shutter	4	3.90	0.23	4.50	16.15		
Ventilator	8	0.60	0.23	0.60	0.66		
					-16.81 Cum.		
Total Qty.					121.21 Cum.	7353.00	891279.12

15 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)

Rolling Shutter (RS)	4	3.90		4.50	70.20 Sqm.	4830.00	339066.00
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16 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.

Ventilator (V)	8	0.60		0.60	2.88 Sqm.	3110.00	8956.80
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