



HRA DESIGN STUDIO

▪ ARCHITECTURE & INTERIOR DESIGN ▪

Ar. HARSHAD R. AGRAWAL
M ARCH (SUSTAINABLE ARCHITECTURE)
Regt No. CA/2012/55833

PRAHARSHAKTI FARMER PRODUCE COMPANY LIMITED CONSTRUCTION OF PEB SHED 1108 SQ.M. GODOWN AT POST- ACHALPUR, TQ. PARATWADA, DIST- AMRAVATI

TOTAL CIVIL COST		1,46,04,294.10
LABOUR INSURANCE	0.50%	73,021.470
TOTAL		1,46,77,315.50
	TOTAL	1,46,77,315.5
	SAY	1,46,77,000.00

ESTIMATES IS PREPARED BY USING PWD SSR RATE FOR THE YEAR 2022- 2023

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**DETAIL ESTIMATE OF "PRAHARSHAKTI FARMER PRODUCER
COMPANY", CONSTRUCTION OF PEB SHEED 108 SQ.M. GODOWN AT
POST ACHALPUR TO.PARATWADA DIST. AMRAVATI**

ABSTRACT

Sr. No	Qty	Item	Rate	Unit	Amount
1	156	Excavation for foundation in earth, soil of all types, sand, gravel and soft murrum including removing the excavated material up to a distance of 50 m beyond the building area and	207.00	Cum	32292.00
2	156	Excavation for foundation in earth, soils of all types, sand, gravel and soft murrum including removing the excavated material up to a distance of 50 meters beyond the building area and stacking and spreading as directed, dewatering.	314.00	Cum	48984
3	1470.65	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer in charge in layers of 15 cm to 20 cm including watering and compaction etc.	1138.80	Cum	1673599.7
4	15.19	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc.	1797.80	Cum	27,308.50
5	19.74	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including baling out water. Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing.	6186.50	Cum	122121.51
6	43.87	Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite/ 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 baling out water. Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding	7785.60	Cum	341554.272
7	10.82	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	14464.60	Cum	1,565,00.00

8	21,350	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.	12950.60	Cum	2,76482.50
9	221.67	Providing and laying in situ cement concrete M - 30 with prenex treatment for 200 mm thickness for Concrete Road is including laying plastic sheet for 125 micron thickness with groove cutting of 4 mm wide and 20 mm deep with	9142.70	Cum	2026662.31
10	20,83	Providing and fixing in position TMT- <u>FE-500</u> bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels parts, copings, fins, and arches etc. as per detailed designs, drawings and schedules including cutting, bending, hooking the bars.	89985.90	MT	18,74406.3
11	43.65	Providing second class Burnt Brick masonry with conventional/ IS. type bricks in cement mortar 1:6 in plinth as backing in composite masonry including baling out water manually, striking joints, raking out joints and watering etc	8167.40	Cum	356507.01
12	1899.00	Providing, Structural designing, fabrication & erection with pre-engineered building technic, the long span roofs of different spans sloping either one way or two way including design, providing, fabrication & erection of all the necessary structural members like rigid frame, roof, rafters, purlins, eave struts & such others necessary ancillaries with SML HIRRB roof cladding sheets or any other roofing cold rolled, color coated galvanized sheets as per AS-1397	3059.30	Sqm	5809610.7
13				Total	1,27,46,028.700
14	127.10	Add Royalty Charge for Sand	237.37	Cum	30,170.00
15	1381.13	Add Royalty Charge for Sand	216.18	Cum	2,98,572.00
16		Add 12% for GST			1,52,9523.44
		TOTAL			1,46,04,294.10

DR. HANISH R. AGARWAL
CA/2012/5883

MEASUREMENTS

S.N	Item	No.	L	B	D	QTY.	Total	Unit
1	Excavation for foundation in earth, soil of all types, sand, gravel and soft murrum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed.							
	Column	4	2.00	2.00	1.5	24.00		
	Corner C1	18	2.00	2.00	1.5	108		
	Col C2	4	2.00	2.00	1.5	24.00		
	Short Side Column C3							
							156	cum
2	Excavation for foundation in earth, soils of all types, sand, gravel and soft murrum, including removing the excavated material up to a distance of 50 meters beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ranning, watering							
	Column Pt	4	2.00	2.00	1.5	24.00		
	Corner C1	18	2.00	2.00	1.5	108		
	Col C2	4	2.00	2.00	1.5	24		
	Short Side Column C3						156	Cum
3	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.							
	Column Pt	26	2.25	2.25	1.5	197.43		
	Col	1	60.9	18.2	1.2	1330		
	PLINTH					15.19		
	Deduct Qty. of PCC					19.74		
	Deduct Qty. of Footing					-15.19		
	Deduct Qty. of soling					6.66		
	Deduct Qty. upto Plinth						1470.65	Cum
4	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ranning, watering etc. complete.							
	Column Pt	26	2.25	2.25	0.3	39.48		
	Col						15.19	Cum

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 baling 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 microprocessor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch Column Pt	Col	26	2.25	2.25	0.15	19.74	19.74	Cum
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 baling 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	Col	26	1.5	1.5	0.75	78.00	43.875	Cum
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	Col C1	4	0.60	0.60	2	2.88		
		Col C2	22	0.60	0.3	2	7.94	10.82	Cum
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, 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	Long Side PB1	60.9	0.30	0.45	16.44			
		Short Side PB2	2	18.2	0.45	4.91	21.35	Cum	
9	Providing and laying in situ cement concrete M-30 with tremix treatment for 200 mm thickness for Concrete Road is including laying plastic sheet for 125 micron thickness with groove cutting of 4 mm wide and 20 mm	Flooring	1	18.2	60.9	0.2	221.676	221.67	Cum
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 parts, copings, fins, arches etc. as per detailed designs, drawings and schedules, including cutting, bending, hooking the bars.	footing Qty as per item no - 6	43.87						

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Harshad Samaraj
 Sr. Quantity Surveyor
 CIVILS/S&S

11	column Qty as pre item no - 7 beam & flooring Qty Qty as pre item no - 8 Qty of Trinx no - 9	1	10.82						
		1	21.35						
		1	221.67						
			297.71		0.070	20.83	20.83	MT	
12	Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in plinth as backing in composite masonry including baling out water manually, striking joints, raking out joints and watering etc Complete. Long Wall Short Wall	2	60.9	0.23	1.20	33.61			
		2	18.2	0.23	1.20	10.04			
							43.65	Cum	
12	Providing. Structural designing, fabrication & erection with prebuilding technic, the long span roofs of different spans sloping either one way or two way including design, providing, fabrication & erection of all the necessary structural members like rigid frame, roof, rafters, purlins, eve struts & such others necessary ancillaries with SML HIRIB roof cladding sheets or any other roofing cold rolled, colour coated galvanized sheets as per AS- 1397 std coating class AZ 150 gsm/sqm galvanized steel as per IS:277 (Z-275 gms/sq.m. zinc Main Shed Short Wall Short Wall	1	60.9		18.	1108.38			
		2	60.9		2	609.00			
		2	18.2		5.00	182			
					5.00		1899	Sqm	

A. Harshad K. Agrawal
CA/2012/55853