

HRA DESIGN STUDIO

▪ ARCHITECTURE & INTERIOR DESIGN ▪

Ar. HARSHAD R. AGRAWAL
M ARCH [SUSTAINABLE ARCHITECTURE]

Regt. No. CA/2012/55833

HRA DESIGN STUDIO

**KRUSHNARPAN FARMER PRODUCE COMPANY LIMITED
CONSTRUCTION OF PEB SHED 1008 SQ.M. GODOWN AT POST-
AMBADA, TALUKA- MOARSHI DIST- AMRAVATI**

TOTAL CIVIL COST		1,32,71,418.32
LABOUR INSURANCE	0.50%	66357.091
TOTAL		1,33,37,775.412
	TOTAL	1,33,37,775.411
	SAY	1,33,37,000.00

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

Harshad R. Agrawal
M. Arch. (Sustainable Architecture)
CA/2012/55833

**DETAIL ESTIMATE OF "KRUSHNARPAN FARMER PRODUCER
COMPANY", CONSTRUCTION OF PEB SHED 1008 SQ.M. GODOWN AT
POST- AMBADA TALUKA- MOARSHI 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 murum, 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 murum, 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. Complete.	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 bailing 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 /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	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	1,56500.00

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	2,76,482.50
9	221.67	Providing and laying in situ cement concrete M - 30 with premix 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	20,26,662.31
10	20.83	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, parrises, copings, fins, and arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars,	89985.90	MT	18,74,406.3
11	43.65	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 bailing out water manually, striking joints, raking out joints and watering etc	8167.40	Cum	35,65,07.01
12	1510.00	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 HIRIB roof cladding sheets or any other roofing cold rolled, color coated galvanized sheets as per AS-1397	3059.30	Sqm	46,19,543
13				Total	11,55,5961.00
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			1,38,6715.32
			TOTAL		1,32,71,418.32

Harshad Agrawal
CA/2021/2022

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 murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed.							
	Column							
	Corner C1	4	2.00	2.00	1.5	24.00		
	Col C2	18	2.00	2.00	1.5	108		
	Short Side Column C3	4	2.00	2.00	1.5	24.00		
							156	cum
2	Excavation for foundation in earth, soils of all types, sand, gravel and soft murum, 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, ramming, watering							
	Column Pit							
	Corner C1	4	2.00	2.00	1.5	24.00		
	Col C2	18	2.00	2.00	1.5	108		
	Short Side Column C3	4	2.00	2.00	1.5	24		
							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 Pit							
	Col	26	2.25	2.25	1.5	197.43		
	PLINTH	1	60.9	18.2	1.2	1330		
	Deduct Qty. of PCC					15.19		
	Deduct Qty. of Footing					19.74		
	Deduct Qty. of soling					-15.19		
Deduct Qty. upto Plinth					6.66			
							1470.65	Cum
4	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.							
	Column Pit	26						
	Col		2.25	2.25	0.3	39.48		
							15.19	Cum

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 16/05/2013
 04/11/2013

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, compaction, 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 Pit							
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 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							
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 PBI	2	60.9	0.30	0.45	16.44			
Short Side PBI		18.2	0.3	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							
Fllooring	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 pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars,							
footing Qty as pre item no - 6			43.87					

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	column Qty as pre item no - 7	1	10.82						
	beam & flooring Qty as pre item no - 8	1	21.35						
	Qty of Trimix no - 9	1	221.67						
			297.71		0.070	20.83		20.83	MT
11	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 bailing out water manually, striking joints, raking out joints and watering etc Complete.								
	Long Wall	2	60.9	0.23	1.20	33.61			
	Short Wall	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	1	60.9		18.	1108.38			
	Short Wall	2	60.9		2	609.00			
	Short Wall	2	18.2		5.00	182			
					5.00				
								1899	Sqm

AMRAPUR
 10/10/2013
 CA/11/13/1333