

LOTUS ASSOCIATES CONSULTANT
ENGINEER, VALUER AND STRUCTURAL
DESIGNER
Reg. No. CCNRR/R2019/APL/00020

OFFICE :- Damayantitai Deshmukh Nagar,
Chhoriya layout, Ramtek-441106. Mo.No.

ESTIMATE

NAME OF WORK :- **PROPOSED ESTIMATE FOR CONSTRUCTION OF CHILLY AND
VEGETABLE PROCESSING SHED ON S. No. 63, P. H. No. 41 MAUZA
GHOTI, G. P. MAHADULA, TAH-RAMTEK, Dis. NAGPUR (MH),
441106**

NAME OF OWNER :- N. B. FARMERS PRODUCER COMPANY, RAMTEK-441106,
REG. NO. U01100MH2020PTC340759

B/U AREA :- 15M X 30M = 450M

TOTAL ESTIMATED COST :- Rs. 12577691/-
(IN WORDS RUPEES ONE CRORE TWENTY FIVE LAKHS SEVENTY
SEVEN THOUSAND AND SIX HUNDRED NINTY ONE)

**THIS ESTIMATE IS FRAMED ON THE BASIS OF RATE YEAR 2020-2021 OF PUBLIC WORK
DEPARTMENT OF MAHARASHTRA**

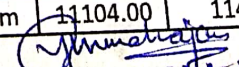
PREPARED BY



Miss. Yogita L. Mabajan
DCE, BE (Civil)
Civil Consultant Engineer
Structural Designer & Valuer

ESTIMATE

S.No.	DETAILS	NO	L	W	H	QTY	UNITS	RATES	AMOUNT (Rs.)
1	Site clearance and layout	1					L.S.	15000.00	15000.00
2	excavation for foundation in earth, soil of all types of sand, gravel and soft murrum, including removing the excavated material upto a distance of 50 m. and back filling in excavated pitch								
	a) Up to 1.50 m for column	34	2.20	2.00	1.50	224.40	Cu.M.	182.00	40840.80
	b) 1.5 to 3m for column	34	2.20	2.00	1.00	149.60	Cu.M.	286.00	42785.60
3	Soiling with murrum and boulder								
	a) In column pitch	34	2.20	2.00	0.30	44.88	Cu.M.	1460.00	65524.80
	b) In plinth level	1	14.54	39.00	0.80	453.65	Cu.M.	1460.00	662326.08
4	Providing and laying M-10 (1:3:6) C.C. for P.C.C. work including formwork and curing								
	a) below column footing	34	2.20	2.00	0.15	22.44	cu.m	5449.00	122275.56
	b) in plinth	1	14.54	39.00	0.15	85.06	cu.m	5449.00	463486.49
5	R.C.C work in M-20 C.C including form work and cutting								
	a) footing base and footing								
	footing	34	1.20	2.00	0.60	48.96	cu.m	6440.00	315302.40
	b) column at long side	10	0.23	0.35	10.00	8.05	cu.m	6440.00	51842.00
	column at short side	24	0.23	0.40	10.00	22.08	cu.m	6440.00	142195.20
	Δ column long side	6	0.23	0.35	0.75	0.36	cu.m	6440.00	2332.89
	c) beam in lintel level & sill level								
	L/S	2	14.54	0.23	0.25	1.67	cu.m	11104.00	18567.00
	C/S	2	39.00	0.23	0.25	4.49	cu.m	11104.00	49801.44
	d) plinth beam								
	L/S	2	14.54	0.23	0.15	1.00	cu.m	11104.00	11140.20
	C/S	2	39.00	0.23	0.15	2.69	cu.m	11104.00	29880.86
	e) R.C.C beam g.l and roof level								
	L/S	2	15.54	0.23	0.30	2.14	cu.m	11104.00	23812.75
	C/S	2	39.00	0.23	0.30	5.38	cu.m	11104.00	59761.73
	f) chajja beam	10	1.50	0.23	0.30	1.04	cu.m	11104.00	11492.64


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	g) R.C.C work in M-20 C.C for chajja including form work and curing	4	4.00	1.50	0.10	2.40	cu.m	12449.00	29877.60
						100.27			
6	Providing and fixing in position T.M.T steel bar of radius dia. With cutting bending and binding with binding wire (100.27cu.m X 7850 Kg/cu.m X 1.2%)					9445.43	Kg	65.12	615058.33
7	Providing 2nd class brick masonry in C.M. 1:6 in foundation with curing								
	L/S	2	14.54	0.23	0.70	4.68	Cu.m	6663.00	31195.37
	C/S	2	39.00	0.23	0.70	12.56	cu.m	6663.00	83673.95
8	Providing brick masonry in C.M. 1:6 in super structure with curing								
	L/S	2	14.54	0.23	9.00	60.20	cu.m	6874.00	413784.55
		2	14.54	0.23	1.25	8.36	cu.m	6874.00	57470.08
	C/S	2	39.00	0.23	10.00	179.40	cu.m	6874.00	1233195.60
9	Providing internal cement plaster 12mm th in single coat in C.M. 1:4 with curing								
	L/S	2	14.54		11.00	319.88	sq.m.	257.00	82209.16
		2	14.54		0.60	14.40	sq.m.	257.00	3700.80
	C/s	2	39.00		11.00	858.00	sq.m.	257.00	220506.00
10	Providing external cement plaster 1.5mm th C.M. 1:4 without nerru finish and curing								
	L/S	2	15.00		11.00	330.00	sq.m.	599.00	197670.00
		2	15.00		1.00	30.00	sq.m.	599.00	17970.00
	C/S	2	39.00		11.00	858.00	sq.m.	599.00	513942.00
						2410.28			
11	Providing and fixing grill with painting								
	a) Ventilator (20 kg/sq.m)	22	0.90		0.90	17.82	sq.m.	1571.00	27995.22
	b) window grill(20 kg/sq.m)	1	1.50		1.20	1.80	sq.m.	1571.00	2827.80
	c) Aluminium 2-track sliding window with finishing as completed	1	1.50		1.20	1.80	sq.m.	5606.00	10090.80

12	Providing steel work trusses including cutting erecting fixing bolted/welded with painting	12			950.00	11400.00	kg	91.82	1046793.60
13	Providing and fabricating angle as purlins runner including cutting erecting fixing bolted welded with paint, etc (6 X 65 X 65mm)								
	Purlin	28	39.46	5.80		6408.30	kg	72.44	464191.91
	Runner	7	39.40	5.80		1599.64	kg	72.44	115871.52
14	Providing and fixing corrugated G.I sheet 24 BWG for roofing with wind ties including fastening with G.I screw and bolted (0.63mm)	2	39.46	19.00		1499.48	Sq.m.	777.00	1165095.96
15	G.I sheet of 22 BWG over ridge hip/valeey for roofing	1	39.46			39.46	r.m	1033.00	40762.18
16	White wash for external and internal plaster surface with plastic emulsion paint with curing of 3 days	1				2410.28	sq.m	96.00	231386.88
17	Yard filling with murrum and boulder with consoladation and compaction								
	L/S	2	25.00	5.00	0.40	100.00	cu.m.	1360.00	136000.00
	C/S	2	39.46	5.00	0.40	157.84	cu.m.	1360.00	214662.40
18	Providing and lying M20 C.C for floaring slab with finishing and curing	1	14.54	39.00	0.15	85.06	cu.m	6181.00	525749.68
19	Providing and fixing in position T.M.T. steel bar and various dia. With cutting, bending and binding with binding wire (85.06cu.m. X7850 kg/cu.m X 1.2%)					8012.56	kg	65.12	521753.73

20	Floaring 40mm TH in M-20 C.C with finishing by extra cement and curing	1	14.54	39.00		567.06	sq.m	473.00	268219.38
21	Providing and fixing steel shutter fabricated from 20 gauge with painting 3.15 th. Plate	4	3.35		4.00	53.60		4473.00	239752.80
22	Providing and digging 15cm dia. Borewell upto 60m below the ground with casing, pump fixing and electric wire fitting						Ls		250000.00
Sub-Total 1									10889775.73
23	Add 10% for electrification, sanitary and water supply pipe line								1088977.57
Sub-Total 2									11978753.31
24	Add 5% for contengency								598937.67
Total									12577690.97
Says									12577691.00

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