

HEDGIRE U. R.

Chartered Engineer.

SMC Lic. No. 100

9591/1, RAVIWAR PETH, KANNA CHOWK,

Solapur. NO. 9422463371

ESTIMATE

**NAME OF WORK :- PROPOSED CONSTRUCTION OF GRAIN PROCESSING
UNIT FOR BHUSEVA FARMERS PRODUCER COMPANY LTD. @ GAT NO. 174 ,
HIVARE, TAL - MOHOL. DIST.- SOLAPUR.**

OWNER :- BHUSEVA FARMERS PRODUCER COMPANY LTD.

ESTIMATED COST FOR STORAGE SILO

Rs. 1134173.00

ESTIMATE PREPARED BY : Er. UMESH R. HEDGIRE.

ESTIMATE PREPARED BY USING CURRENT SCHEDULE RATES - 2019 - 20.

Hedgire U.R.

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B. E. Civil, MIE

Chartered Engineer

S.M.C. Structural Lic. No.

NAME OF WORK :-PROPOSED CONSTRUCTION OF GRAIN PROCESSING UNIT FOR
BHUSEVA FARMERS PRODUCER COMPANY LTD. @ GAT NO. 174 , HIVARE, TAL -
MOHOL. DIST.- SOLAPUR.

TITLE : STORAGE SILO

ABSTRACT

Qty	Item of Work	Rate	Unit	Amount
37.92	Item No. 1 :-Excavation for foundation / pipe trenches in earth, soils of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of 50 metres and lifts as below, stacking and spreading as directed, normal dewatering, repairing the bed for foundation and excluding backfilling, etc. complete. (Bd-A-1/259)	145.00	Cum	5498.88
63.21	Item No. 2 :- Excavation for foundation / pipe trenches in hard murum including removing the excavated material upto a distance of 50 M and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatering, preparing the bed for fo undation and excluding backfilling, etc. complete. (Bd-A-2/259)	165.00	Cum	10428.92
178.04	Item No. 3 Filling in plinth and floors / trenches with contractor's murum for bedding in 15 cm to 20 cm layers including watering and compaction, etc. complete. (Bd-A-11/263)	760.00	Cum	135308.88
8.36	Item No. 4 :- Providing and laying in situ Cement Concrete M-15 of trap/ granite / quartzite / gneiss metal for foundation and bedding including bailing out water, form work, compaction, curing, etc. complete. (Cement 5.90 bags / cum) pec. No. - Bd E /1 Page No. 287 and B 7, Page No. 38 In PCC M-15	5035.00	Cum	42069.47
6.30	Item No. 5 :-Providing and laying in situ Cement Concrete of trap/ granite / quartzite / gneiss metal for RCC work in foundation like raft, grillage, strip foundation and footing of RCC columns and steel stanchions including normal dewatering, form work, compaction, finishing and curing, etc. complete. (By weigh batching and mix design for M250 and M-300 only. Use of L&T, A.C.C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.) (Excluding M.S. or Tor reinforcement) In RCC M-250	6367.00	Cum	40097.77
	Item No. 6 :-Providing and casting in situ Cement Concrete of trap/ granite / quartzite / gneiss metal of approved quality for RCC works as per detailed drawings and designs or as directed by Engineerin charge including normal dewatering, centering, form work, compaction, finishing the formed surfaces with CM 1:3 of sufficient minimum thickness if special finish is to be provided and curing, etc. complete. (By weigh batching and mix design for M-250 and M-300 only. Use of L&T, A.C.C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.) (Excluding M.S. or Tor reinforcement) For all types of Columns in RCC M-25			
4.14	G.F	7598.00	Cum	31455.72

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PROCESSING UNIT FOR BHUSEVA FARMERS PRODUCER
COMPANY LTD. @ GAT NO. 174 , HIVARE, TAL - MOHOL. DIST.-
SOLAPUR.**

**TITLE : STORAGE SILO
MEASUREMENT SHEET**

Item No. 1 :-Excavation for foundation / pipe trenches in earth, soils of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of 50 metres and lifts as below, stacking and spreading as directed, normal dewatering, repairing the bed for foundation and excluding backfilling, etc. complete. (Bd-A-1/259)

Excavation Pit	1.00	Dia	10.25	0.45	37.11	Cum
Elevator Foundation	1.00	1.50	1.20	0.45	0.81	Cum
			Total	=	37.92	Cum

Item No. 2 :- Excavation for foundation / pipe trenches in hard murum including removing the excavated material upto a distance of 50 M and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc. complete. (Bd-A-2/259)

Excavation Pit	1.00	Dia	10.25	0.75	61.86	Cum
Elevator Foundation	1.00	1.50	1.20	0.75	1.35	Cum
			Total	=	63.21	Cum

Item No. 3 Filling in plinth and floors / trenches with contractor's murum for bedding in 15 cm to 20 cm layers including watering and compaction, etc. complete. (Bd-A-11/263)

	1.00	Dia	9.00	2.80	178.04	Cum
			Total	=	178.04	Cum

Item No. 4 :- Providing and laying in situ Cement Concrete M-15 of trap/ granite / quartzite / gneiss metal for foundation and bedding including bailing out water, form work, compaction, curing, etc. complete. (Cement 5.90 bags / cum) pec. No. - Bd E /1 Page No. 287 and B 7, Page No. 38 In PCC M-15

For Columns	1.00	Dia	10.25	0.10	8.25	Cum
Elevator Foundation	1.00	0.90	1.20	0.10	0.11	Cum
			Total	=	8.36	Cum

Item No. 5 :-Providing and laying in situ Cement Concrete of trap/ granite / quartzite / gneiss metal for RCC work in foundation like raft, grillage, strip foundation and footing of RCC columns and steel stanchions including normal dewatering, form work, compaction, finishing and curing, etc. complete. (By weigh batching and mix design for M250 and M-300 only. Use of L&T, A.C.C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.) (Excluding M.S. or Tor reinforcement) In RCC M-250

For Columns (rect)	6.00	1.35	1.55	0.45	5.65	Cum
Elevator Foundation	1.00	0.90	1.20	0.45	0.65	Cum

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Total = 6.30 Cum

Item No. 6 :- Providing and casting in situ Cement Concrete of trap/ granite / quartzite / gneiss metal of approved quality for RCC works as per detailed drawings and designs or as directed by Engineer in charge including normal dewatering, centering, form work, compaction, finishing the formed surfaces with CM 1:3 of sufficient minimum thickness if special finish is to be provided and curing, etc. complete. (By weigh batching and mix design for M-250 and M-300 only. Use of L&T, A.C.C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.) (Excluding M.S. or Tor reinforcement) For all types of Columns in RCC M-25

Rect.

Plinth	1.00	0.23	0.60	30.00	=	4.14	Cum
				Total	=	4.14	Cum

Item No. 7 :- Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. pardi of required thickness including 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 micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand Bd.F.11 Page No. 304 and B.7, Page No. 38

RCC Wall	1.00	0.23	2.20	30.00	=	15.18	Cum
				Total	=	15.18	Cum

Item No. 8 :- Providing and fixing in position steel bar reinforcement of various diameters for RCC piles, caps, footings, foundations, slabs, beams, columns, canopies, staircases, newels, chajjas, lintels, pardi, 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, etc. complete (including cost of binding wire). (Bd-F-17/306) Tor Steel

Footing	=	6.298	x	250.00	=	1574.44	Kg
Beams	=	15.18	x	300.00	=	4554.00	Kg
Columns	=	4.14	x	350.00	=	1449.00	Kg
Wall	=	15.18	x	150.00	=	2277.00	Kg
				Total	=	9854.44	Kg
				Tor Steel	=	9.85	M.T.

Item No 9 :- Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg 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 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc. complete. Bd.L.7 Page No. 369

RCC Wall	1.00	1.00	2.20	30.00	=	66.00	Sqm
				Net Total	=	66.00	Sqm

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 M 141759 ;
 CHARTERED CIVIL ENGINEER

Item No.10- Providing and applying plastic emulsion paint of approved quality, colour and shade to old and new surfaces in two coats including scaffolding, preparing the surface. (excluding the primer coat)etc. complete. Bd.P.6 Page No. 414

RCC Wall	1.00	1.00	2.20	30.00	=	66.00	Sqm
				Net Total		66.00	Sqm

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