

NAME OF WORK -

CONSTRUCTION OF PROPOSED WAREHOUSE  
AND RCC ROAD, AT -G.NO.548/2/2/A, KAWTHE.  
TAL - SAKRI, DIST - DHULE

NAME OF OWNER -

THE CHAIRMAN, Panzrakan Farmers Producers  
Company Ltd. Bhandane.  
TAL - SAKRI, Dist - DHULE

**CHETAN R. PAWAR**  
CHARTERED ENGINEER  
B.E. CIVIL, MTE, FIV, MPAVI  
Mob - 9720292603  
SHOP-2, VISHNU COMPLEX,  
COLLEGE ROAD, MALEGAON

ESTIMATE PREPARED BY -

CHETAN R PAWAR

CHARTERED ENGINEER  
B.E.civil, MIE, FIV, MPAVI

**Rmarc consultants**



**NAME OF WORK :-**

CONSTRUCTION OF PROPOSED WAREHOUSE AND RCC ROAD.

AT- Kawthe

TAL - SAKRI, DIST - DHULE

**QUARRY - CHART**

NO	MATERIAL	LEAD CHART	SAY	K.M.		
1	Steel ( M.S. / TMT steel ) :-		5.0	K.M.		
2	Cement :-		5.0	K.M.		
3	Sand :-		70.0	K.M.		
4	Brick		8.0	K.M.		
5	Rubble (Blasted)		7.0	K.M.		
6	Boulder		7.0	K.M.		
7	60/40mm HB metal (Boulder Conveying)		7.0	K.M.		
8	60/40mm HB metal (Blasted Rock Conveying)		7.0	K.M.		
9	60/40mm Hand Broken metal (Metal Conveying)		7.0	K.M.		
10	Crushed metal < 40 mm (Metal Conveying)		7.0	K.M.		
11	Crushed metal > & = 40 mm (Metal Conveying)		7.0	K.M.		
12	Hard murum :-		5.0	K.M.		
13	Soft murum :-		5.0	K.M.		
14	Earth Soil		3.0	K.M.		

**C E R T I F I C A T E**

- 1) Certifie that the quarry shown on quarry chart for metal, murum are inspected by me and they are nearest lead economical to the work contain sufficient good quality of materials required for work.
- 2) Certified that the leads for quarries shown and attached in the estimate is as per nearest roust.
- 3) Certified the the leads considered are found to be correct.
- 4) Certified that the leads considered are the leasí feusible from higher Govt. or private available sources.

CHETAN R PAWAR  
RmarC Consultants



**SHYRAKAN FARMERS PRODUCER**

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SHOP NO. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

## ABSTRACT SHEET

Sr.No.	Description	Unit	Qty	Rate	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 & stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary backfilling, ramming, watering including shoring and strutting etc. complete. By Manual Means. With Lift upto 1.5 m.	Cum	289	139	40171
2	Excavation for foundation in hard murum and boulders including removing the excavated materials up to a distance 50 metres, 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. (Lift upto 1.5m.) By Manual Means	Cum	289	230	66470
3	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with sand / grit, ramming, watering complete. Additional Item Spec. No. : As directed by Engineer-in-charge.	Cum	242	1350	326700
4	Providing dry trap / granite / quartzite / gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting complete. Spec. No. : Bd.A.12 Page No. 264	Cum	55	1120	61600
5	Providing and laying cement concrete in retaining walls, return wall, walls ( any thickness ) including attached pilasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing course, parapets, copping, bed blocks, anchor blocks, plain window sills, fillets, etc... up to floor five level, excluding the cost of shuttering, centring and finishing.	Cum	36.8	1175	43240
6	Supply and filling selected earth obtained from approved source in layers not exceeding 20 cm. in depth breaking clods, watering and consolidation of each layer by half ton ne roller or by using wooden or steel hammer and rolling every third and top most layer with power roller of minimum 8 tonnes and dressing up in embankments or road plinth filling or filling of ground depressions within the campus.	Cum	1210	380	459800
					0



7	Providing exhaustive anti-termite treatment to the sides of flooring by injecting 1 percent of chlordane emulsion concentrate at the rate of 50 per hole of 6mm diameter drilled at a distance of 30cm c / c and sealing the same with proper filling with two years guarantee bond as per IS 6313 (part III) of 1981.	Lump - Sum		50000	
				0	
8	Providing and laying in situ, cement concrete of specified grade of trap / granite / quartzite / gneiss metal for foundation and bedding including bailing-out water manually, formwork, compacting, covering newly laid concrete by gunny bag, plastic or tarpaulin, curing etc. complete excluding centring, shuttering, finishing and reinforcement (All work up to plinth level )	Cum	96	13500	1296000
				0	
9	Providing and casting in situ cement concrete of M-20 grade of trap granite / quartzite / gneiss metal for R.C.C. columns as per detailed designs and drawings or as directed including placing in position plastic cover block of required size at 90 cm. C/C each main bottom bars to stamping at sides to give required clear cover from all sides in R.C.C. Beam, centering, formwork of plywood / steel, compaction, covering newly laid concrete by gunny bag, plastic or tarpaulin, finishing the formed surface 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. The cement mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. (Wooden planks / shuttering will not be allowed. The shuttering should be of waterproof plywood or taller made angle and steel plate)	Cum	32.4	13500	437400
				0	



*[Signature]*  
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10	<p>Providing and casting in situ cement concrete of M-20 grade of trap granite / quartzite / gneiss metal for R.C.C. pardi upto 150mm thickness as per detailed designs and drawings or as directed including centering, formwork of steel, compaction, covering newly laid concrete by gunny bag, plastic or tarpaulin, finishing the formed surface 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. The cement mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. (Wooden planks / shuttering will not be allowed. The shuttering should be of waterproof plywood or tailer made angle and steel plate) Spec. No.: Bd.F.11 Page No. 304 and B.7, Page No. 38</p>	Cum	13.6	13500	183600
					0
11	<p>Providing and laying in situ cement concrete of M-20 grade of trap / granite / quartzite / gneiss metal for R.C.C. work in foundations like raft, grillages, strips, foundations and footings of R.C.C. columns and steel stanchions including bailing-out water manually, formwork, compacting, covering newly laid concrete by gunny bag, plastic or tarpaulin, curing and roughening the surface if special finish is to be provided (Excluding reinforcement, &amp; structural steel) The cement mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. (Wooden planks / shuttering will not be allowed) Spec. No.: Bd.F.3 Page No. 298 and B.7, Page No.38</p>	Cum	12.6	13500	170100
					0



  
**PANZRAJAN FARMERS PRODUCER  
 COMPANY LIMITED**

12	Providing and casting in situ cement concrete of M-20 grade of trap granite / quartzite / gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including placing in position plastic cover block of required size at 90 cm. C/C each main bottom bars to stamping at sides to give required clear cover from all sides in R.C.C. Beam, centering, formwork of plywood / steel, compaction, covering newly laid concrete by gunny bag, plastic or tarpaulin, finishing the formed surface 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. The cement mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. (Wooden planks / shuttering will not be allowed. The shuttering should be of waterproof plywood or tailor made angle and steel plate)	Cum	3.1	13500	41850
					0
13	Centering and shuttering including strutting, propping etc. and removal of form for :				
	a) Foundations, Footings, bases of columns, etc. for mass concrete	Sqm	32.16	350	11256
	b) Columns, pillars, piers, abutments, post and struts.	Sqm	41	350	14350
	c) Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	54.15	350	18952.5
	d) Walls ( any thickness ) including attached pilasters, buttersesses, plinth and string courses, etc.	Sqm	39.86	350	13951
	e) Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards.	Sqm	1.23	350	430.5
	f) Small lintels not exceeding 1.5 m clear span.	Sqm	3.26	350	1141
14	Providing and fixing in position T.M.T. steel bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels, parris, 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 complete. (T.M.T. steel from Minimill / Mini plant Plant) Spec. No. : Bd F.17 Page 306	MT	22.5	78000	1755000
					0



15	Providing machine manufactured 1st class burnt brick masonry with conventional/ I.S.type bricks in cement mortar 1:6 in superstructure for exposed ornamental work including striking joints, raking out joints, watering, and scaffolding complete. Specification No.: As directed by Engineer in charge (General Application- For exposed ornamental brick work & not to be used for plaster for exposed face.)	Cum	220	4800	1056000
					0
16	Providing internal cement plaster 20mm. thick in two coats in cement mortar 1:4 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing complete. Spec. No. : Bd.L.4 Page No. 368	Sqm	960	850	816000
					0
17	Providing sand faced plaster externally in cement mortar using Kharsalia / Kasaba or similar type of sand, in all positions including base coat of 15mm thick in C.M. 1:4 using waterproofing compound at 1kg.per cement bag, curing the same for not less than 3 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8mm thick in C.M. 1:4, finishing the surface by taking out grains and curing for fourteen days, scaffolding etc. complete. Spec. No. : Bd.L.7 Page No. 369	Sqm	975	915	892125
					0
18	Providing and laying polished Shahabad Stone flooring 25mm to 30mm thick and of required width in plain / diamond pattern on a bed of 1:6 C.M. including cement float, filling joints, with neat cement slurry, curing, polishing and cleaning complete. Spec. No. : Bd.M.3 Page No. 380	Sqm	1125	1413	1589625
					0
19	Providing and applying priming coat over new steel and other metal surfaces including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and scoured with wire brushes, fine steel wool, scrappers and sand paper, scaffolding etc. complete. (Sample and brand is to be got approved from Executive Engineer before use) Additional Item Spec. No. : As directed by Engineer in charge.	Sqm	12.8	210	2688
					0



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20	Providing and applying 3 coats of lead / zinc base oil paint / bituminous paint of approved colour and shade to new wood work and fibre boards including preparing the surface, knotting, scaffolding if necessary excluding primer coat complete. (Sample and brand is to be got approved from Executive Engineer before use) Spec. No. : Bd.O.1 Page No. 403	Sqm	9.89	2240	22153.6
					0
21	Providing and applying two coats of polymer based external paint of standard manufacture like Apex from Asian Paints, Excel from Nerolac paints of approved colour to the plastered surfaces including scaffolding if necessary, cleaning and preparing the surface etc. for specified buildings complete. (Sample and brand is to be got approved from Executive Engineer before use) (Prior specific permission of S.E. shall be obtained before inclusion of this item in the estimate.) Spec. No.: As directed by Engineer in charge.	Sqm	1935	620	1199700
					0
22	Providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates etc. as per detailed designs and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position, making riveted / bolted / welded connection and one coat of anticorrosive paint and over it 2 coats of oil painting of approved quality and shade complete. Spec. No. : Bd.C.8 Page No. 278	MT	13.96	95000	1326200
					0
23	Providing and fixing powder coated coloured G.I. sheet of 0.80 mm thickness for roofing without wind tiles including fastening with galvanised iron screw and bolts and bitumen washer as per drawings complete. Spec. No. : As directed by Engineer in charge.	Sqm	1420	745	1057900
					0



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24	<p>Providing and fixing precast RCC M-30 frames for doors / windows / louvered windows /ventilators of cross section 125mm x 50mm with two bars of 8mm for steel as reinforcement and compressive strength of 300kg/sqm with wood like finish, having 3 No.s/6 No.s of 12 gauge GI pipes,embedded on vertical members for single/double leaf door shutter respectively for fixing hinges with 4 No.s of 12mm diameter, hole/holes on horizontal top member for fixing tower bolts 16mm diameter bolts for aldop and sliding door bolt of the shutter is single leaf, 3 No.s of splitend tailed MS hold fast on each of the vertical members fixed in concrete block of 10cm x 10cm x 20cm in half brick wall and 23cm x 10cm x 20cm in one brick thick wall etc. complete As directed by Engineer in charge.</p>	0	0	0	0
25	<p>Providing and fixing rolling steel shutters fabricated from 18 gauge steel laths with side guides, bottom rail, brackets, door suspension shaft including rolling springs, locking arrangement and housing box at the top including mechanical gear operation arrangement and one coat of red lead primer. Bd.T.56 Page No.511.</p>	Sqm	27.88	2260	63008.8
26	<p>Providing and fixing mild steel grill work as per drawing including fixtures, necessary welding &amp; painting with one coats of anti corrosive paint &amp; two coats of oil painting complete.</p>	MT	0.8	78000	62400



*[Handwritten signature]*



35	Providing and laying in situ cement concrete in M-20 of trap / granite / quartzite / gneiss metal for RCC slab including bailing out water, formwork, compacting, covering newly laid concrete by gunny bag, plastik or tarpaulin, curring etc., complete.	Cum	630	7000	4410000
36	Providing and making expansion joints 120 mm deep in floors 25 mm wide as per design filling the shalite bitumenous joint filler of equivalent and top filled at which hot bitumen as directed	Rmt	700	61.7	43190
37	Providing and fixing in position mild steel / HYSD bar reinforcement of various diameters for RCC pile cap, footings, foundations, slabs, beams, columns, canopies, staircase, newels, chajjas, lintels, pardi, copping, 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 complete.	MT	2.13	78000	166140
TOTAL					19263662.4
SAY...					19264000
<b>IN WORDS...Rs. One Crore Ninty Two Lakhs Sixty Four Thousand ONLY.</b>					

*Chetan R Pawar*

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SHOP-2, SRI BALU COMPLEX,  
 COLLEGE ROAD MALEGAON



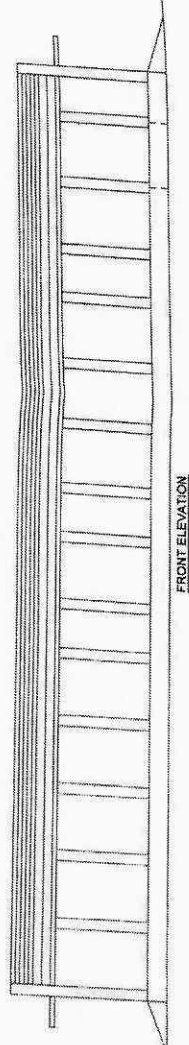
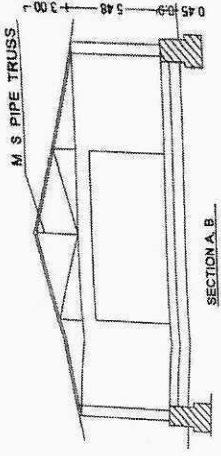
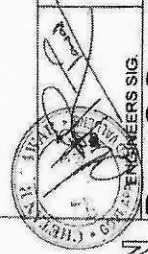
*Chetan R Pawar*

PROPOSED WAREHOUSE GODOWN SHED  
PLAN IN G. NO. 548/22/A  
AT KAWTHE TAL. SAKRI  
DIST. DHULE  
FOR :- PANZRAKAN FARMERS PRODUCER CO.

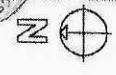
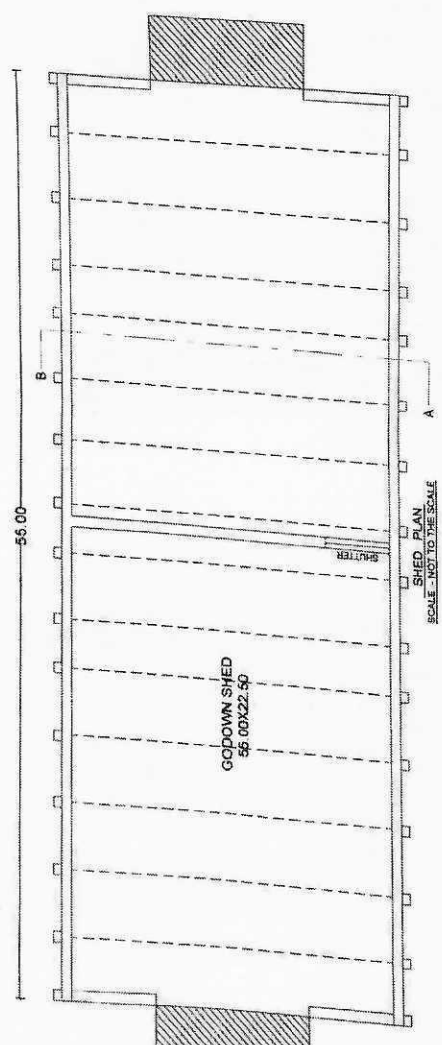
AREA STATEMENT.

AREA OF TOTAL GNO. 1222/2	=	9600.00 SQ.M.
AREA OF ALLOWABLE (1/3)	=	3300.66 SQ.M.
AREA OF GR. FL. B/UP (SHED)	=	966.00 SQ.M.

APPROVING AUTHORITY.



FRONT ELEVATION



OWNERS SIG.  
**Rmarc Consultant**  
CHARTERED ENGINEER,  
PLANNERS, AND APPROVED  
VALUERS



**PANZRAKAN FARMERS PRODUCER  
COMPANY LIMITED**