

NAME OF WORK -

CONSTRUCTION OF PROPOSED ONION STORAGE.
SHED, AT -G.NO.16, SAVTAWADI.
TAL - MALEGAON, DIST - NASHIK

NAME OF OWNER -

THE CHAIRMAN, Kille Galna Farmers Producers
Company Ltd. Khakurdi.
TAL - MALEGAON, Dist - Nashik

CHETAN R. PAWAR

CHARTERED ENGINEER
B.E CIVIL, MTE, FIV, MPVAI
Mob. 9820292603

SHOP-2, VISHNU COMPLEX,
COLLEGE ROAD, MALEGAON

ESTIMATE PREPARED BY -

CHETAN R PAWAR

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

Emarc consultants



NAME OF WORK :-

CONSTRUCTION OF PROPOSED ONION STORAGE SHED,
AT- SAYTAWADI

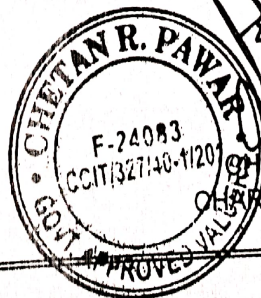
TAL - MALEGAON, DIST - NASIK

QUARRY - CHART

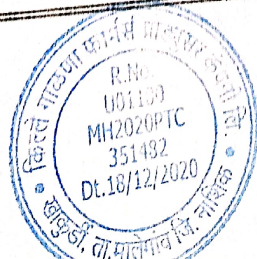
| NO | MATERIAL | LEAD CHART | SAY | | K.M. |
|----|---|------------|------|--|------|
| | | | | | |
| 1 | Steel (M.S. / TMT steel) :- | | | | |
| 2 | Cement :- | | 5.0 | | K.M. |
| 3 | Sand :- | | 5.0 | | K.M. |
| 4 | Brick | | 70.0 | | K.M. |
| 5 | Rubble (Blasted) | | 8.0 | | K.M. |
| 6 | Boulder | | 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) Certifide 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 least feusible from higher Govt. or private available sources.

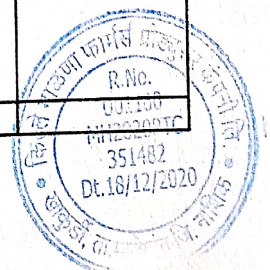


Chetan R. Pawar
CHETAN R PAWAR
REGISTERED ENGINEER



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 | 628 | 139 | 87292 |
| 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 | 628 | 230 | 144440 |
| 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 | 578 | 1350 | 780300 |
| 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 | 1024 | 1120 | 1146880 |
| 5 | Providing and laying cement concrete in retaining walls, return wall, walls (any thickness) including attached pilasters, column, piers, abutments, pillars, posts, struts, buttressess, 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 | 145.6 | 1175 | 171080 |
| 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 with in the campus. | Cum | 3044 | 380 | 1156720 |



| | | | | | |
|---|---|------------|-------|--------|---------|
| 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 | | 400000 | |
| 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 | 246 | 13500 | 3321000 |
| 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 teiler made angle and steel plate) | Cum | 49.22 | 13500 | 664470 |



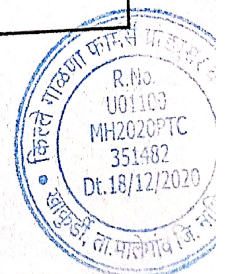
| | | | | | |
|----|--|-----|-------|-------|---------|
| 10 | <p>Providing and casting in situ cement concrete of M-20 grade of trap granite / quartzite / gneiss metal for R.C.C. pardi upto 150mm thickness as per detailed designs and drawings or as directed including centering, formwork of steel, compaction, 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 | 79.26 | 13500 | 1070010 |
| 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, & 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 | 52.74 | 13500 | 711990 |



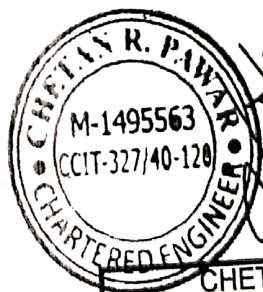
| | | | | | |
|----|---|-----|--------|-------|---------|
| 12 | Providing and casting in situ cement concrete of M-20 grade of trap granite / quartzite / gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including placing in position plastic cover block of 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 tailer made angle and steel plate) | Cum | 64.66 | 13500 | 872910 |
| | Centering and shuttering including strutting, propping etc. and removal of form for : | | | | |
| | a) Foundations, Footings, bases of columns, etc. for mass concrete | Sqm | 126.42 | 350 | 44247 |
| | b) Columns, pillars, piers, abutments, post and struts. | Sqm | 104.26 | 350 | 36491 |
| | c) Lintels, beams, plinth beams, girders, bressumers and cantilevers | Sqm | 26.4 | 350 | 9240 |
| 13 | d) Walls (any thickness) including attached pilasters, butteresses, plinth and string courses, etc. | Sqm | 52.66 | 350 | 18431 |
| | e) Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards. | Sqm | 1.78 | 350 | 623 |
| | f) Small lintels not exceeding 1.5 m clear span. | Sqm | 79.32 | 350 | 27762 |
| 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 pardis, 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 | 39.38 | 78000 | 3071640 |



| | | | | | |
|----|--|-----|--------|-------|----------|
| 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 | 222.24 | 4800 | 1066752 |
| 16 | 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 | 162.32 | 210 | 34087.2 |
| 17 | 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 | 162.32 | 2240 | 363596.8 |
| 18 | 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 | 241.6 | 95000 | 22952000 |
| 19 | 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 | 2840 | 745 | 2115800 |



| | | | | | |
|---|--|----------|-------|-------|-------------|
| 20 | 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 | Sqm | 55.76 | 2260 | 126017.6 |
| 21 | Providing and fixing mild steel grill work as per drawing including fixtures, necessary welding & painting with one coats of anti corrosive paint & two coats of oil painting complete. | MT | 3.4 | 78000 | 265200 |
| ELECTRICAL WORK | | | | | |
| 22 | Supplying and fixing of required sizes of steel conduit along with wires and accessories in surface/recess including cutting the wall as directed by the incharge Engineer and as per drawings and design | Lump Sum | | | 1000000 |
| TOTAL | | | | | 41658979.6 |
| SAY... | | | | | 4,16,60,000 |
| IN WORDS...Rs. Four Crore Sixteen Lakhs Sixty Thousand Only. | | | | | |



CHETAN R PAWAR
 CHARTERED ENGINEER
 Mob - 7020292603

