

ROUDMBARENGG. CONSULTANT

Kotharkar Complax, F1, Near Bus-Stand
UmarchhedTq. Umarchhed
Dist. Yavatmal

GajananD. Chinnawar

B.E (Civil) MIE, FIV
Approved Valuer F-19484
Chartered Engineer-M-129817/2
Mo.No.9423434693
Govt. Approved Valuer Cat.-1/218/16-17

RECAPULATION SHEET

DATE:-

NAME OF WORK :- PROPOSED CONSTRUCTION OF GODOWN
SIZE OF GODOWN :- 26 M X 15M X 6.00 M
CONSTRUCTION AREA :- 396.6 SQ.M
FLOOR AREA :- 377.8 SQ.M
PROJECT LOCATION :- AT MZ KINKHEDA. GUT.NO.219TQ. RISOD DIST.WASHIM
PROMOTOR :- SANT DYANESHWAR FARMER PRODUCER COMPANY LIMITED

| SR.NO | DESCRIPTION | PERCENTAGE | AMOUNT |
|-------|--|--------------------------|-------------|
| 1. | Estimated Cost (Godown) | As Per Estimate | 48,10,000/- |
| 2. | Internal Road Work/ infrastructure Development | L.S | 2,00,000/- |
| 3. | Add For Electrification | 2% | 96,200/- |
| 4. | Add For Royalty | As Per Royalty Statement | 112205/- |
| 5. | Add For Lab Testing Charges | As Per Statement | 33,930/- |
| 6. | Total Cost | | 52,52,335/- |
| 7. | Add 18% for GST Charges Or As Applicable | | 9,45,420/- |
| 8. | Total | | 6197755/- |
| 9. | Add 0.5% For Insurance | | 30,989/- |
| 10. | Add For Contengencies | | 216256/- |
| 11. | Total Amount | | 64,44,346/- |
| 12. | Say Rs. | | 64,45,000/- |

(In words Sixty Four Lakh Forty Five Thousand Rupess Only)

Note :- The Estimate Is Based on S.S.R 2022-23

& Information Provided



Gajanan D. Chinnawar

NAME OF WORK :- PROPOSED CONSTRUCTION OF (GODOWN) STORAGE HALDI
PROJECT LOCATION :- AT MZ.KINKHEDA GUT NO.219 TQ RISOD DIST.WASHIM

ABSTRACT SHEET

| SR.NO | ITEM OF WORK | QTY | RATE | UNIT | AMT. |
|-------|---|-------|----------|------|------------|
| 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/or spreading as directed, dewatering manually, preparing the bed for the foundation and necessary back filling, ramming, watering (Excluding shoring and strutting) etc. complete. (Lift upto 1.5 m.) [Spec.No. :Bd.A.1 Page No. 259] Basic Rate as per S.S.R.I. No 21.01, Page No 153 | 52.92 | 239.00 | CUM | 12647.88 |
| 2 | Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres beyond the building area, stacking and/ or spreading as directed, dewatering manually, preparing the bed for the foundation and necessary back filling ramming watering, etc. complete. (Excluding shoring and strutting) (Lift upto 1.50 m) [Spec.No. :Bd.A.2 PageNo. 259] Basic Rate as per S.S.R.I. No 21.05, Page No 153 | 63.50 | 365.00 | CUM | 23178.96 |
| 3 | Providing and laying in situ, cement concrete in 1:4:8 of trap/granite/quartzite/gneiss metal for foundation and bedding including bailing out water form work, compacting and curing etc. complete [Spec.No. :Bd.E.1 Page No. 287]/I.S.456 (2000) Basic Rate as per S.S.R.I. No 24.01, Page No 175 | 5.29 | 5830.00 | CUM | 30852.36 |
| 4 | Providing and laying in situ 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 including bailing out water manually, form-work, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel). [Spec.No. :Bd.F.3 Page No. 298/IS:456(2000)] Basic Rate as per S.S.R.I. No 25.11, Page No 178 FOOTING | 20.79 | 7104.00 | CUM | 147692.16 |
| 5 | Providing and casting in situ cement concrete M-20 / [1:2:4] of trap granite/quartzite/gneiss metal for R.C.C. columns as per detailed drawings and designs, or as directed including ,centering, form-work, compaction ,finishing the formed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or and roughening if special finish is to be provided and curing etc. complete. (excluding reinforcement) [Spec.No. :Bd.F.5 Page No. 300/IS:456(2000)] Basic Rate as per S.S.R.I. No 25.31, Page No 179 | 11.08 | 13783.00 | CUM | 152734.247 |
| 6 | Providing & casting in situ cement concrete M-20 of trap/granite/quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs & drawings or as directed including centering, formwork, compaction, finishing the formed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or & roughening the surface if special finish is to be provided & curing etc. complete (Excluding reinforcement). [Spec.No. :Bd.F.6 Page No. 300/IS:456(2000)] Basic Rate as per S.S.R.I. No 25.50, Page No 181 | 14.24 | 12269.00 | CUM | 174703.66 |

| | | | | | |
|------------------|--|---------------|-----------------|------------|------------------|
| <p>7</p> | <p>Providing and casting in situ cement concrete of required grade of trap / granite /quartzite /gneiss metal for R.C.C slabs and landings as per detailed design and drawings including steel centering, plywood /steel formwork, steel props, compaction, finishing uneven and honeycombed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided with fan hook box of 2 mm thick M.S.Sheet rectangular size 180 mm x 100 mm with required depth, with holes or notches, as required, bottom and top etc. For-C.C M-20 Basic Rate as per S.S.R.I. No 25.70, Page No 182</p> | <p>0.780</p> | <p>13932.00</p> | <p>CUM</p> | <p>10866.96</p> |
| <p>8</p> | <p>Providing and casting in situ cement concrete of required grade of trap / quartzite / granite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including steel centering, plywood/steel formwork, steel props, compaction finishing uneven and honeycombed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided and curing etc.complete.(Excluding reinforcement, including cover block) The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only.Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed) Basic Rate as per S.S.R.I. No 26.05, Page No 184</p> | <p>0.842</p> | <p>13932.00</p> | <p>CUM</p> | <p>11736.32</p> |
| <p>9</p> | <p>Providing and fixing in position steel 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 etc. complete. Basic Rate as per S.S.R.I. No 26.33, Page No 188</p> | <p>7.260</p> | <p>89703.00</p> | <p>MT</p> | <p>651243.78</p> |
| <p>10</p> | <p>Providing 2nd class Burnt Brick masonry with conventional/I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/in plinth of external walls including bailing out water, striking joints on unexposed faces, racking out joints on exposed faces and watering complete. Basic Rate as per S.S.R.I. No 27.01, Page No 197</p> | <p>13.134</p> | <p>7755.00</p> | <p>CUM</p> | <p>101853.55</p> |
| <p>11</p> | <p>Providing and casting in situ cement concrete M15 of trap/granite/quartzite/gneiss metal for coping to plinth or parapet,moulded or chamfered as per drawing or as finishing with minimum thickness of 1:3 cement plaster to given a smooth and even surface or roughening them of special finish is to be provided ,finishing if required and curing etc. complete. Basic Rate as per S.S.R.I. No 26.23, Page No ,185</p> | <p>2.463</p> | <p>7190.00</p> | <p>CUM</p> | <p>17706.17</p> |
| <p>12</p> | <p>Providing and casting in situ cement concrete of C.C. M-20 grade of trap/quartzite /granite /gneiss metal for R.C.C. Waist slab, and steps of staircases as per detailed design and drawings or as directed including steel centering, plywood/ steel formwork, steel props, compaction, finishing uneven and honeycombed surface with C.M. 1:3 of sufficient minimum thickness to give a block) The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. (Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc.complete.</p> | | | | |

| | | | | | |
|----|---|--------|---------|-----|------------|
| | Building | 0.000 | 0 | CUM | 0 |
| 13 | Filling in plinth and floors with contractors approved material / murum / stone dust in 15cm. to 20cm. layers including watering and compaction complete. Basic Rate as per S.S.R.I. No 21.37, Page No 157 <u>Filling</u> | 301.60 | 599.00 | CUM | 180658.400 |
| 14 | Providing soling using 80 mm size granite / quartzite / gneiss / trap metal in 15 cm. layer including hand packing filling voids with sand / grit, ramming, watering etc complete. Basic Rate as per S.S.R.I. No 21.40, Page No 157 <u>Soling</u> | 56.55 | 1454.00 | CUM | 82223.700 |
| 15 | Filling in plinth and floors with approved excavated materials in 15 cm. to 20 cm. layers including watering and compaction complete. Basic Rate as per S.S.R.I. No 21.36, Page No 157 | 0.00 | 0.00 | CUM | 0 |
| 16 | Providing second class Burnt Brick masonry with conventional/I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out, joints, watering and scaffolding etc. complete. Basic Rate as per S.S.R.I. No 27.05, Page No 197 | 36.00 | 7994.00 | CUM | 303751.98 |
| 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 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] Basic Rate as per S.S.R.I. No 32.11, Page No 209 | 347.90 | 639.00 | SQM | 222310.976 |
| 18 | Providing internal cement plaster 12mm. thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete. [Spec.No. :Bd.L.2 Page No. 368] Basic Rate as per S.S.R.I. No 32.03, Page No 209 | 231.53 | 271.00 | SQM | 62744.22 |
| 19 | Providing and fixing steel Ventilator fully glazed partly top hung and partly fixed as per detailed drawing without hot dip zinc coating including fabricating glazing with plain obscured glass panes of approved type and quality and fastening without teak wood boxing and architecture and oil painting two coats etc. complete. (Sample to be got approved from Ex.Engineer before use) with guard sq. bar 12mm 10cm c/c and oil painting 2 coats etc. Spec.No.: As directed by Engineer- in-charge. Basic Rate as per S.S.R.I. No 39.29, Page No 249 | 8.775 | 3375.00 | SQM | 29815.625 |
| 20 | Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to the plastered surface including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete. [Spec.No. :Bd.O.8 Page No. 406] Basic Rate as per S.S.R.I. No 35.15, Page No 224 | 347.90 | 104.00 | SQM | 36182.068 |
| 21 | Providing & applying washable oil bound distemper of approved colour & shed to old surfaces in two coats including scaffolding & preparing the surfaces [excluding | | | | |

primer coat] etc. complete.

Basic Rate as per S.S.R.I. No 36.10, Page No 227 231.53 32.00 SQM 7408.91

22 Providing and fabricating structural steel work in PEB Structure rolled sections, fixed with connecting plates or angle cleats in main and cross beams, hip and jack rafters, purlins G.I connecting to truss members & the like, as per detailed design and drawing or as directed including cutting, fabricating, hoisting, erecting, fixing in position, making riveted/bolted/welded connections and one coat of anticorrosive paint and over it two coats of oil painting complete [Spec.No. :Bd.C.3 Page No. 275]

8.50 119894.00 MT 1019099

23 Providing and fixing colour coated zinalume @ AZ150(min 150 gms / sq. Mt Total on each side) profiled sheets for roofing The feed material is manufactured out of nominate 0.45 mm base metal thickness (8mt) (0.5 mm TCT) Hi strength steel with min 559 Mpa yield strength, metallic hot dip coated with Aluminum zinc alloy (55% aluminium 43.4% zinc 1.6% silicon) with COLOURBOND(R) steel quality super durable polyester paint coat (with inorganic pigment) The paint shall have a total coating thickness of nominal 35 um. Comprising of nominate 25 um exterior coat on top surface profile sheet shall have nom. 950-1050 mm effective cover width and nominal 25-30 mm deep ribs with subtle square fluting in the five pan of nominal 180-250 mm center to center. The end rib shall be designed for anticapillary groove. And return leg . The feed material should have coil manufactures product details marked a regular interval including fasteners with min. fastened with min 25 um zinc tin alloy coated max head self drilling screw etc completed (Weight of profile 4.52% sqm)

ROOFING AND SIDE CLADDING

Basic Rate as per S.S.R.I. No 38.34, Page No 236 698.60 1173.00 SQM 819457.80

24 Providing and laying in situ cement concrete M-30 grade With Trimix treatment for 200 mm thickness for flooring with groove cutting of 4 mm wide and 20 mm deep with necessary refilling with bitumen etc. completed [Spec. No.: As directed by Engineer-in-charge.]

Basic Rate as per S.S.R.I. No 33.31, Page No 216 377.00 1464.00 SQM 551928.000

25 Providing groove cutting 25 milli meters X 6 milli meters in cement concrete flooring & filling the gap of expansion joints with bituman of 30/40 grade including cleaning the groove and preparing the same or filing etc . Complete as directed

0.00 0.00 RMT 0

26 Providing and fixing rolling steel shutters fabricated from 18/20 gauge steel laths with side guides, bottom rail, brackets, door suspension shaft including rolling springs, locking arrangement and housing box at top including one coat of red lead primer. shutter

Basic Rate as per S.S.R.I. No 39.25 Page No 249 9.30 5308.00 SQM 49377.670

27 Providing fixing metacolor, epoxy coating, to match G.I sheeting of 22BWG (1mm)

over the ridge ,hip or valleyfor meta colour corrugated epoxy sheet roofign including fastening with galvanised iron screw and bolt and lead and bitumen washer etc. complete.

[Spec.No. :Bd.R6 Page No.452] 26.00 1000.00 RMT 26000.00

28 Providing & fixing Turbo Ventilator of 24 inches throat doiameter of alluminium and of approved make including fixing on dome manufactured from same material used for roofing all necessary fittings etc Complete (Prior approval of sample and brand by Engineer in charge is necessary before use) As directed by Engineer - in - charge 6.00 9702 Nos 58212

29 Providing & fixing M.S. Channel ISMC 150 X 75 millimeters thick with weight @ 16.80 kilogram / running meter with 20 milli meter diamete & 0.50 meter long bolts & nuts & 1.00 meter center to center M.S. angles for stand of fire bucket including chain fixing in wall applying three coats of oil paints etc complete 365.00 70 kg 25550
TOTAL 4809736.39
SAY RS 4810000

IN WORDS:
FOURTY EIGHT LAKH TEN THOUSAND RUPEES ONLY

Testing Charges

| | | | | | |
|---|-------------------------------|----|----------|-------|-----------------|
| 1 | Mix Design M-20 Concrete | 1 | 13755.00 | No.s | 13755.00 |
| 2 | Concrete M-30/M-20 | 10 | 690.00 | No.s | 6900.00 |
| 3 | Bricks | 2 | 2175.00 | No.s | 4350.00 |
| 4 | Steel 8MM,10MM,12MM,16MM,20MM | 7 | 1275.00 | No.s | 8925.00 |
| | | | | Total | <u>33930.00</u> |


Gajanan D. Chinnawar
B.E. (Civil) MIE, FIV
Struct Engr.
Chartered Engr. (M-1298172)
Govt Approved Valuer (Cat-1/218)
Koharkar Complex F1
Near Bus Stand Umarkhed

NAME OF WORK :- PROPOSED CONSTRUCTION OF (GODOWN) STORAGE HALDI
 PROJECT LOCATION :- AT MZ.KINKHEDA GUT NO.219 TQ RISOD DIST.WASHIM
 PROMOTER :- SANT DYANESHWAR FARMER PRODUCER COMPANY LIMITED

ROYALTY STATEMENT

| SR.NO | | QUANTITY | PER CU.M | TOTAL | RATE | AMOUNT |
|------------|-------|----------|----------|-------|--------|----------|
| ITEM NO.03 | SAND | 5.29 | 0.47 | 2.49 | 237.37 | 590.17 |
| | METAL | 5.29 | 0.94 | 4.97 | 216.18 | 1074.98 |
| ITEM NO.04 | SAND | 20.79 | 0.425 | 8.84 | 237.37 | 2097.34 |
| | METAL | 20.79 | 0.85 | 17.67 | 216.18 | 3820.22 |
| ITEM NO.05 | SAND | 11.8 | 0.425 | 5.02 | 237.37 | 1190.41 |
| | METAL | 11.8 | 0.85 | 10.03 | 216.18 | 2168.29 |
| ITEM NO.06 | SAND | 14.24 | 0.425 | 6.05 | 237.37 | 1436.56 |
| | METAL | 14.24 | 0.85 | 12.10 | 216.18 | 2616.64 |
| ITEM NO.07 | SAND | 0.780 | 0.425 | 0.33 | 237.37 | 78.69 |
| | METAL | 0.780 | 0.85 | 0.66 | 216.18 | 143.33 |
| ITEM NO.08 | SAND | 0.842 | 0.425 | 0.36 | 237.37 | 84.94 |
| | METAL | 0.842 | 0.85 | 0.72 | 216.18 | 154.72 |
| ITEM NO.10 | SAND | 13.134 | 0.32 | 4.20 | 237.37 | 997.64 |
| ITEM NO.11 | SAND | 2.463 | 0.425 | 1.05 | 237.37 | 248.47 |
| | METAL | 2.463 | 0.85 | 2.09 | 216.18 | 452.58 |
| ITEM NO.13 | MURUM | 301.6 | | 301.6 | 216.18 | 65199.89 |
| ITEM NO.14 | MURUM | 56.55 | | 56.55 | 216.18 | 12224.98 |
| ITEM NO.16 | SAND | 38.00 | 0.32 | 12.16 | 237.37 | 2886.42 |
| ITEM NO.17 | | | | | | |

| | | | | | | |
|------------|-------|--------|-------|-------|--------|-----------|
| | SAND | 347.90 | 0.033 | 11.48 | 237.37 | 2725.17 |
| ITEM NO.18 | | | | | | |
| | SAND | 231.53 | 0.03 | 6.95 | 237.37 | 1648.75 |
| ITEM NO.22 | | | | | | |
| | SAND | 8.50 | 0.033 | 0.28 | 237.37 | 66.58 |
| ITEM NO.24 | | | | | | |
| | SAND | 37.70 | 0.42 | 15.83 | 237.37 | 3758.52 |
| | METAL | 37.7 | 0.8 | 30.16 | 216.8 | 6538.688 |
| | | | | | TOTAL | 112203.99 |
| | | | | | SAY RS | 112205 |


Rajanan D. Chinnawar
 B.E. (Civil) MIE, FIV
 Struct. Engr.
 Chartered Engr. (M-129817/2)
 Govt. Approved Valuer (Cat-1/218)
 Kotharkar Complex F1
 Near Bus Stand Umardhed

NAME OF WORK :- PROPOSED CONSTRUCTION OF 700MT CAPACITY (GODOWN) STORAGE HALDI

MEASUREMENT SHEET

| SR.NO | ITEM OF WORK | NO. | LENGTH | BREADTH | D/H | QTY |
|-------|---|-----|--------|----------------|------|--------|
| 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/or spreading as directed, dewatering manually, preparing the bed for the foundation and necessary back filling, ramming, watering (Excluding shoring and strutting) etc. complete. (Lift upto 1.5 m.) [Spec.No. :Bd.A.1 Page No. 259] column | 14 | 1.80 | 2.10 | 1.00 | 52.92 |
| | | | | Total Quantity | | 52.92 |
| | | | | | | CUM |
| 2 | Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres beyond the building area, stacking and/ or spreading as directed, dewatering manually, preparing the bed for the foundation and necessary back filling ramming watering, etc. complete. (Excluding shoring and strutting) (Lift upto 1.50 m) [Spec.No. :Bd.A.2 PageNo. 259] column | 14 | 1.80 | 2.10 | 1.20 | 63.50 |
| | | | | Total Quantity | | 63.50 |
| | | | | | | CUM |
| 3 | Providing and laying is situ, cement concrete in 1:4:8 of trap/granite/quartzite/gneiss metal for foundation and bedding including bailing out water form work, compacting and curing etc. complete [Spec.No. :Bd.E.1 Page No. 287]/I.S.456 (2000) Column | 14 | 1.80 | 2.10 | 0.10 | 5.29 |
| | | | | Total Quantity | | 5.29 |
| | | | | | | CUM |
| 4 | Providing and laying in situ 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 including bailing out water manually, form-work, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel). [Spec.No. :Bd.F.3 Page No. 298/IS:456(2000)] FOOTING column footing For Rect Footings | 14 | 1.50 | 1.65 | 0.60 | 20.790 |
| | | | | Total Quantity | | 20.79 |
| | | | | | | CUM |
| 5 | Providing and casting in situ cement concrete M-20 / [1:2:4] of trap granite/quartzite/gneiss metal for R.C.C. columns as per detailed drawings and designs, or as directed including ,centering, form-work, compaction ,finishing the formed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or and roughening if special finish is to be provided and | | | | | |

curing etc. complete. (excluding reinforcement)
 [Spec.No. :Bd.F.5 Page No. 300/IS:456(2000)]
Column ...C1 to C14
Column

| | | | | |
|-----------------------|------|------|------|--------------|
| 14 | 0.35 | 0.60 | 2.60 | 7.64 |
| 14 | 0.35 | 0.23 | 3.05 | 3.44 |
| Total Quantity | | | | <u>11.08</u> |
| | | | | CUM |

6 Providing & casting in situ cement concrete M-20 of trap/granite/quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs & drawings or as directed including centering, formwork, compaction, finishing the formed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or & roughening the surface if special finish is to be provided & curing etc.complete (Excluding reinforcement).
 [Spec.No. :Bd.F.6 Page No. 300/IS:456(2000)]

FOR PLINTH BEAM

| | | | | | |
|-------------------|---|------|------|------|-------|
| beam...Long side | 8 | 5.90 | 0.23 | 0.60 | 6.514 |
| beam...Short side | 6 | 4.03 | 0.23 | 0.60 | 3.337 |

PROJECTION BEAM

FOR LINTELS BEAM

| | | | | | |
|------------------------|----|------|------|--------------|-------|
| Ventilator Chajja Beam | 2 | 1.3 | 0.23 | 0.45 | 0.269 |
| Lintel Beam Top | 13 | 1.80 | 0.23 | 0.15 | 0.807 |
| beam...Long side | 8 | 4.81 | 0.23 | 0.23 | 2.033 |
| beam...Short side | 6 | 4.03 | 0.23 | 0.23 | 1.279 |
| Total Quantity | | | | <u>14.24</u> | |
| | | | | CUM | |

7 Providing and casting in situ cement concrete of required grade of trap / granite /quartzite /gneiss metal for R.C.C slabs and landings as per detailed design and drawings including steel centering, plywood /steel formwork, steel props, compaction, finishing uneven and honeycombed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided with fan hook box of 2 mm thick M.S.Sheet rectangular size 180 mm x 100 mm with required depth, with holes or notches, as required, bottom and top etc.
 For-C.C M-20
Plat form

| | | | | |
|-----------------------|---|-----|-------|--------------|
| 1 | 4 | 1.3 | 0.150 | 0.780 |
| Total Quantity | | | | <u>0.780</u> |
| | | | | CUM |

8 Providing and casting in situ cement concrete of required grade of trap / quartzite / granite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including steel centering, plywood/steel formwork, steel props, compaction finishing uneven and honeycombed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided and curing etc.complete.(Excluding reinforcement, including cover block) The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only.Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed)
 Ventilator chajja

| | | | | |
|----|------|------|------|-------|
| 13 | 1.80 | 0.45 | 0.08 | 0.842 |
|----|------|------|------|-------|

Total Quantity 0.842
CUM

9 Providing and fixing in position **steel 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 etc. complete.
[Spec.No. :Bd.F.17 Page No 306.]

AS PER CALCULATION

| | | | |
|----------|-------|---------|---------|
| Footing | 20.79 | 100.000 | 2079.00 |
| Column | 11.08 | 125.000 | 1385.17 |
| Beam | 14.24 | 120.000 | 1708.73 |
| Slab | 0.78 | 70.000 | 54.60 |
| Chajja | 0.842 | 50 | 42.12 |
| FLOORING | | | |

AS PER CALCULAT

A] H.Y.S.D. BAR.
B] MILD STEEL BAR.

ITEM NO. QTY.

7.26

Total Quantity 7.260
MT

10 Providing 2nd class Burnt Brick masonry with conventional/I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/in plinth of external walls including bailing out water, striking joints on unexposed faces, racking out joints on exposed faces and watering complete.

| | | | | | |
|-------------------|---|------|----------------|------|---------------|
| beam...Long side | 8 | 5.90 | 0.23 | 0.80 | 8.685 |
| beam...Short side | 6 | 4.03 | 0.23 | 0.80 | 4.449 |
| | | | Total Quantity | | <u>13.134</u> |
| | | | | | CUM |

11 Providing and casting in situ cement concrete M15 of trap/granite/quartzite/gneiss metal for coping to plinth or parapet, moulded or chamfered as per drawing or as finishing with minimum thickness of 1:3 cement plaster to given a smooth and even surface or roughening them of special finish is to be provided, finishing if required and curing etc. complete.

FOR COPING BEAM

| | | | | | |
|-------------------|---|------|----------------|------|--------------|
| beam...Long side | 8 | 5.90 | 0.23 | 0.15 | 1.628 |
| beam...Short side | 6 | 4.03 | 0.23 | 0.15 | 0.834 |
| | | | Total Quantity | | <u>2.463</u> |
| | | | | | CUM |

12 Providing and casting in situ cement concrete of C.C. M-20 grade of trap/quartzite /granite /gneiss metal for R.C.C. Waist slab, and steps of staircases as per detailed design and drawings or as directed including steel centering, plywood/ steel formwork, steel props, compaction, finishing uneven and honeycombed surface with C.M. 1:3 of sufficient minimum thickness to give a block) The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only.

(Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc.complete.

Building
For Flight
For Step

| | | | | | | |
|-----------|---|--------|--------------|--------------|----------------|------------------|
| | | | | | Total Quantity | 0.000 |
| | | | | | | CUM |
| 13 | Filling in plinth and floors with contractors approved material / murum / stone dust in 15cm. to 20cm. layers including watering and compaction complete. <u>Filling</u> | 1 | 26.00 | 14.50 | 0.80 | 301.60 |
| | | | | | Total Quantity | 301.60 |
| | | | | | | CUM |
| 14 | Providing soling using 80 mm size granite / quartzite / gneiss / trap metal in 15 cm. layer including hand packing filling voids with sand / grit, ramming, watering etc complete. <u>Soling</u> | 1 | 26.00 | 14.50 | 0.15 | 56.55 |
| | | | | | Total Quantity | 56.55 |
| | | | | | | CUM |
| 15 | Filling in plinth and floors with approved excavated materials in 15 cm. to 20 cm. layers including watering and compaction complete. | | | | | Total Quantity |
| | | | | | | 0.00 |
| | | | | | | CUM |
| 16 | Providing second class Burnt Brick masonry with conventional/I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out, joints, watering and scaffolding etc. complete. [Spec.No. :Bd.G.5 Page No. 315] Long side Short side | 8 6 | 5.90 4.03 | 0.23 0.23 | 2.60 2.60 | 28.226 14.460 |
| | | | | | Total Quantity | 42.685 |
| | | | | | | CUM |
| | <u>Deduction:-</u> | | | | | |
| | Rolling Shutter | 1 | 3.23 | 0.23 | 3.05 | 2.266 |
| | Ventilator | 13 | 1.80 | 0.23 | 0.45 | 2.422 |
| | | | | | [-] | 4.69 |
| | | | | | Total Quantity | 38.00 |
| | | | | | | CUM |
| 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 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] | | | | | |
| | Wall | 2 | 26.46 | - | 4.05 | 214.33 |
| | Wall | 2 | 15.00 | - | 4.05 | 121.50 |
| | Plat form | 1 | 4.00 | | 1.05 | 4.200 |
| | Ventilator chajja | 13 | 1.80 | | 1.00 | 23.400 |
| | | | | | | 363.426 |
| | Rolling Shutter half | 1 | 3.23 | | 3.05 | 9.852 |
| | Ventilator half | 7.0 | 1.80 | | 0.45 | 5.670 |
| | | | | | [-] | 15.52 |
| | | | | | Total Quantity | 347.90 |
| | | | | | | SQM |

152

| | | | | | |
|-----------|--|-----|-------|-----------------------|----------------|
| 18 | Providing internal cement plaster 12mm. thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete. [Spec.No. :Bd.L.2 Page No. 368] | | | | |
| | innear wall both side | 2 | 26.00 | 3.05 | 158.6 |
| | innear wall both side | 2 | 14.50 | 3.05 | 88.450 |
| | | | | Total Quantity | <u>247.050</u> |
| | | | | | SQM |
| | <u>Deduction:-</u> | | | | |
| | Rolling Shutter half | 1 | 3.23 | 3.05 | 9.852 |
| | Ventilator half | 7.0 | 1.80 | 0.45 | 5.670 |
| | | | | | <u>15.52</u> |
| | | | | Total Quantity | <u>231.53</u> |
| | | | | | SQM |

| | | | | | |
|-----------|---|----|------|-----------------------|--------------|
| 19 | Providing and fixing steel Ventilator fully glazed partly top hung and partly fixed as per detailed drawing without hot dip zinc coating including fabricating glazing with plain obscured glass panes of approved type and quality and fastening without teak wood boxing and architecture and oil painting two coats etc. complete. (Sample to be got approved from Ex.Engineer before use) with guard sq. bar 12mm 10cm c/c and oil painting 2 coats etc. Spec.No.: As directed by Engineer- in-charge. | | | | |
| | Ventilator | 13 | 1.50 | 0.45 | 8.775 |
| | | | | Total Quantity | <u>8.775</u> |
| | | | | | SQM |

| | | | | | |
|-----------|---|---|---|-----------------------|---------------|
| 20 | Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to the plastered surface including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete. [Spec.No. :Bd.O.8 Page No. 406] | | | | |
| | External wall Item no.17 As per Qty. | 1 | - | - | 347.90 |
| | | | | Total Quantity | <u>347.90</u> |

| | | | | | |
|-----------|--|---|---|-----------------------|---------------|
| 21 | Providing & applying washable oil bound distemper of approved colour & shed to old surfaces in two coats including scaffolding & preparing the surfaces [excluding primer coat] etc. complete. | | | | |
| | Internal wall Item no.18 As per Qty. | 1 | - | - | 231.53 |
| | | | | Total Quantity | <u>231.53</u> |
| | | | | | SQM |

| | | | | | |
|-----------|---|---|--|-----------------------|--------------|
| 22 | Providing and fabricating structural steel work in rolled sections, fixed with connecting plates or angle cleats in main and cross beams,hip and jack rafters, purlins connecting to truss members& the like, as per detailed design and drawing or as directed including cutting, fabricating, hoisting, erecting, fixing in position, making riveted /bolted/welded connections and one coat of anticorrosive paint and over it two coats of oil painting complete [Spec.No. :Bd.C.3 Page No. 275] | | | | |
| | L/S | 1 | | As Per Calculation | 8.500 |
| | | | | Total Quantity | <u>8.500</u> |
| | | | | | MT |

| | | | | | |
|-----------|---|--|--|--|--|
| 23 | Providing and fixing colour coated zinalume © AZ150(min 150 gms / sg. Mt | | | | |
|-----------|---|--|--|--|--|

Total on each side) profiled sheets for roofing The feed material is manufactured out of nominate 0.45 mm base metal thickness (8mt) (0.5 mm TCT) Hi strength steel iwht m/s 559 Mpa yield strength, metallic hot dip coated with Aluminum zinc alloy (55% aluminium 43.4% zink 1.6% silicon) with COLOURBOND(R) steel quality super durable polyester paint coat (with inorganix plgment) The paint shall have a total coating thickness of nominal 35 um. Compising of nominate 25 um exterior coat on top surface profile sheet shall have nom. 950-1050 mm effective cover width and nominal 25-30 mm deep ribs with subtle square fluting in the five pan of nominal 180-250 mm center to center. The end rib shall be designed for anticapillary groove. And return leg . The feed material should havev coil manufactures product details marked a regular interval including fasteners with min. fastered with min 25 um zinc tim aloy coated max head self drilling screw etc completed

(Weight of profile 4.52% sqm)

ROOFING AND CEILING

Side Cladding

| | | | |
|-----------------------|-------|-------|---------------|
| 2 | 8.00 | 26.30 | 420.80 |
| 2 | 26.30 | 3.00 | 157.80 |
| 2 | 15.00 | 3.00 | 90.00 |
| 2 | 15.00 | 1.00 | 30.00 |
| Total Quantity | | | 698.60 |
| | | | SQM |

24 Providing and laying in situ cement congret M-30 grade

With Trimix treatment for 100 mm thickness for flooring with groove cutting of 4 mm wide and 20 mm deep with necessary refilling with bitumen etc.completed

[Spec. No.: As directed by Engineer-in-charge.]

FLOOR

| | | | |
|-----------------------|-------|-------|---------------|
| 1 | 26.00 | 14.50 | 377.00 |
| Total Quantity | | | 377.00 |
| | | | SQM |

25 Providing groove cutting 25 milli meters X 6 milli meters in cement concrete flooring & fitting te gap of expansion joints with bituman of 30/40 grade including cleaning the groove and preparig the same or filing etc . Complete as directed

| | | | |
|---|------|--|------------|
| 0 | 0.00 | | 0.00 |
| 0 | 0 | | 0 |
| | | | 0 |
| | | | RMT |

26 Providing and fixing rolling steel shutters fabricated from 18/20 guage steel laths with side guides, bottom rail, brackets, door suspension shaft including rolling springs,locking arrangement and housing box at top including one coat of red lead primer. shutter

| | | | |
|-----------------------|------|------|-------------|
| 1 | 3.05 | 3.05 | 9.30 |
| Total Quantity | | | 9.30 |
| | | | SQM |

27 Providing fixing metacoulour, epoxy coating, to match G.I sheeting of 22BWG (1mm) over the ridge ,hip or valleyfor meta colour corrugated epoxy sheet roofign including fastening with galvanised iron screw and bolt and lead and bitumen washer etc. complete.

124

[Spec.No. :Bd.R6

Page No.452]

26.00

RMT

26.00

28 Providing & fixing Turbo Ventilator of 24 inches throat doiameter of alluminium and of approved make including fixing on dome manufactured from same material used for roofing all necessary fittings etc Complete (Prior approval of sample and brand by Engineer in charge is necessary before use) As directed by Engineer - in - charge

6

Nos

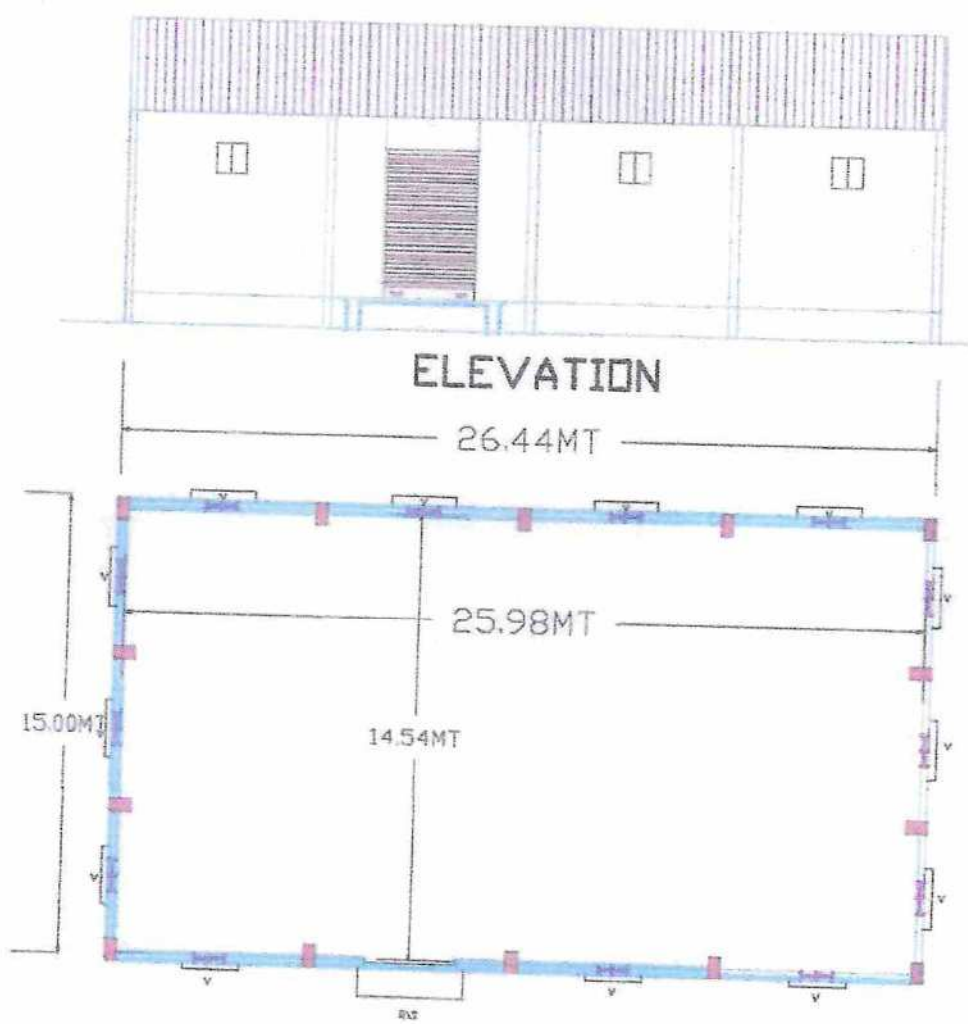
6

29 Providng & fixing M.S. Channel ISMC 150 X 75 millimeters thick with weight @ 16.80 kilogram / running meter with 20 milli meter diamete & 0.50 meter long bolts & nuts & 1.00 meter center to center M.S. angles for stand of fire bucket including chain fixing in wall applying three coats of oil paints etc complete

365

kg

365



ELEVATION

GODOWN PLAN
SCALE 1:100
SIZE 26.44M X 15.MTR

751

AREA STATEMENTS
 TOTAL PLOT AREA : SQM.
 REQUESTED CONS AREA : 3966 SQM.
 TOTAL CONS FLOOR AREA : 3778 SQM.
 EXISTING STRUCTURE AREA : SQM.

PROPOSED CONSTRUCTION OF HAN DI POWDER GEDDYN & IN
 LANDS FOR SANTI DYNANESHVAR FARMERS
 PRODUCER COOP AT KANHEDE, TAL-NISUR, DIST-WASHIM (MH)
 MANAGING DIRECTOR R. R. EDDIHE

OWNER'S DECLARATION
 I/WE UNDERSIGNED HEREBY CERTIFY THAT I/WE WOULD ABIDE
 BY PLANS I/WE WOULD EXECUTE THE STRUCTURE AS PER
 SANCTIONED PLANS AND I/WE WOULD EXECUTE THE WORK
 UNDER SUPERVISION OF PROPER TECHNICAL PERSON SO AS
 TO ENSURE THE QUALITY AND SAFETY AT THE WORK SITE

OWNER (S) NAME AND SIGNATURE FOR SANTI DYNANESHVAR
 FARMER PRODUCER CO.

ARCHITECT/LICENSED ENGINEER/SUPERVISOR NAME AND SIGNATURE

(Signature)
Gajanan D. Chavan
 B.E. (CIVIL) M.E. F.V.
 Struct. Engr
 .000172