

ESTIMATE

Sanctioned Estimate No. _____

Fund Head
Major Head
Minor Head
Service Head
Departmental Head

Name Of Work :- Name Of Work :- Construction of SWABHIMAN CORN (MAKA) Production, Grading, Sales and
Sevice centre in GAT NO. at Motewadi Tal. Malshiras

Rs - 3049511.89

Administratively approved under _____ Dated _____ 2021-22
No. _____

Technically sanctioned under _____ Dated _____ 2021-22
No. _____

Estimate Prepared by _____

and Checked by Shri. .. _____

(Call or Authority) _____

GENERAL DESCRIPTION

Structure	-	Frame with GI Sheets
Strata	-	Soil - 0.45 H.M. - 0.15
Plinth Height for Toilet	-	0.60 m
Slab Height	-	3.15 m
Super Structure	-	II B.B.M. in CM 1:6 of 0.23 thick
Flooring	-	Polished Tandoor
D.S.R.	-	2021-22

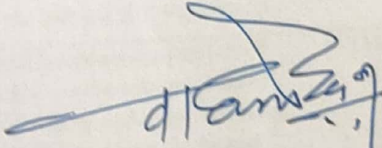
Note :- The Abstrct should be signed at the end by the Executive Engineer and the Sub-Division Officer and if necessary by the Superinending Engineer and the Chief Engineer. The signature should be dated (including year)


Niyativedh Constructions, Baramati
Reg.No. MH26A0102436

Recapitulation Sheet

Name Of Work :- Name Of Work :- Construction of SWABHIMAN CORN (MAKA) Production, Grading, Sales and Service centre in GAT NO. at Motewadi Tal. Maharashtra

CIVIL WORK RS :-	Rs.	3049511.89
Add 1% Labour Charges	Rs.	30495.00
Add 1% S.Q.M. Charges	Rs.	30495.00
Test and Royalty Charges	Rs.	21574.60
Add 12 % G.S.T	Rs. _	365941.43
TOTAL COST RS:-		<u>3498017.92</u>


Niyativedh Constructions, Baramati
Reg.No.MH26A0102436

ABSTRACT

Name Of Work :- Name Of Work :- Construction of SWABHIMAN CORN (MAKA) Production, Grading, Sales and Service centre in GAT NO. at Motewadi Tal. Malshiras

It.No	Quantity	Unit	Item	Rate Rs	Per	Toatl Amt.
1	2	3	4	5	6	7
1	22.88	Cum.	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of 50 m. 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 1.5 m.) DSR P.No. 148/21.02 Spec. No. Bd A1 P.No. 259	193.00	Cum.	4415.84
2	3.89	Cum.	Excavation for foundation in hard murum including removing the excavated material upto a distance of 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. DSR P.No. 148/21.06 Spec. No. Bd A1 P.No. 259	212.00	Cum.	824.68
3	2.59	Cum.	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC without SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand DSR P.No. 169/24.01 Bd. E. 1 Page No. 287	5872.12	Cum.	15208.79
4	9.07	Cum.	Providing and laying in situ/Ready Mix 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 etc. including bailing out water, formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC without SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand DSR P.No. 172/25.11 Bd.F.3 Page No. 298 and B.7, Page No.38	7014.15	Cum.	63618.34
5	8.84	Cum.	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/granite/quartzite/gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces 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 and structural steel). with fully automatic micro processor based PLC without SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand DSR P.No. 173/25.31 Bd.F.5 Page No. 300 and B.7, Page.No. 38	13335.15	Cum.	117882.73

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Name Of Work :- Name Of Work :- Construction of SWABHIMAN CORN (MAKA) Production, Grading, Sales and Service centre in
GAT NO. at Motewadi Tal. Malshiras

H.No	Quantity	Unit	Item	Rate Rs	Per	Toatl Amt.
1	2	3	4	5	6	7
6	14.75	Cum.	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite / quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including centering, formwork, cover blocks, laying/pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic microprocessor based PLC without SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand DSR P.No. 175/25.50 Bd.F.6 Page No. 300 and B.7, Page No.38	11831.15	Cum.	174509.46
7	00	Cum.	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including steel centering, formwork, cover blocks, laying/pumping, compacting and roughening the surface 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 fine aggregate (Crushed sand VS I Grade) DSR P.No. 178/26.5 Bd.F.9 Page Number 303 and B.7, Page Number 38	00	Cum.	00
8	12.75	Cum.	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including centering, formwork, cover blocks, laying/pumping compaction finishing the formed surfaces 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 and structural steel). with fully automatic micro processor based PLC without SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand DSR P.No. 176/25.70 Bd.F.8 Page No. 302 and B.7, Page No.38	14291.15	Cum.	182212.16
9	3.11	M.T.	Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels, piers, 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. DSR P.No. 182/26.33 Spec. No. Bd F17 P.No. 306	71989.04	M.T.	223885.91
10	12.59	Cum.	Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually, striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete. DSR P.No.189/27.01 Spec. No. Bd G1 P.No. 313	7451.31	Cum.	93811.99
11	71.77	Cum.	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 Complete. DSR P.No.189/27.05 DSR P.No.189/27.05 Spec. No. Bd G1 P.No. 313	7964.80	Cum.	571633.70

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GAT NO. at Motewadi Tal. Malshiras

It.No	Quantity	Unit	Item	Rate Rs	Per	Toatl Amt.
1	2	3	4	5	6	7
12	35.13	Cum.	Filling in plinth & floors with excavated murum laying in layers of 15 to 23cm thk. Layer ,watering, compaction etc. DSR P.No. 152/21.36 Spec. No.: Bd.A.10 Page No. 262	113.00	Cum.	3969.69
13	00	Cum.	Filling in plinth & floors with Contractors murum laying in layers of 15 to 23cm thk. Layer ,watering, compaction etc. DSR P.No. 152/21.37 Spec. No.: Bd.A.10 Page No. 262	00	Cum.	00
14	305.31	Sqm	Providing internal cement plaster 6 mm thick in a single coat in cement mortar 1:3 without neeru finish to concrete surface in all positions including scaffolding and curing etc. complete. DSR P.No. 201/32.02 Spec. No. Bd L 2 P.No. 367	202.46	Sqm	61813.06
15	00	Sqm	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 etc. complete. DSR P.No. 201/32.03 Spec. No. Bd L 2 P.No. 368	00	Sqm	000
16	00	Sqm	Providing neeru finish to plastered surfaces in all positions including scaffolding and curing etc. complete. DSR P.No. 201/32.15 Bd. L. 10, Page Number 370	00	Sqm	00
17	298.27	Sqm.	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 DSR P.No. 201/32.11 Bd.L.7 Page Number 369	611	Sqm.	182242.97
18	100.36	Sqm	Providing and laying Polished Tandur Stone flooring 25mm to 30mm thick 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 etc. complete. 33.05 DSR P.No. 201/33.05 Spec. No. Bd L 2 P.No. 368	1041.82	Sqm	104557.05
19	00	Sqm	Providing and laying ceramic tiles of having size 30 cm. x 30 cm. and confirming to corresponding I.S. for dado and skirting in required position with readymade adhesivemortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete. S.S.R.209/33.25 Bd.M.13 Page Number 386.	00	Sqm	00
20	00	Sqm	Providing and fixing heavy duty interlocking concrete Coloured paving blocks of 60 mm thickness of having a strength of 300 Kilogram/Sq.cm. of approved quality and shape on a bed of crushed sand of 25 to 30mm thick including skirting joints and cleaning etc. complete DSR P.No. 210/33.51	00	Sqm	00
21	00	Sqm.	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. DSR P.No.218/36.12 Bd.P.6 Page Number 414	00	Sqm.	00

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Name Of Work :- Name Of Work :- Construction of SWABHIMAN CORN (MAKA) Production, Grading, Sales and Service centre in
GAT NO. at Motewadi Tal. Malshiras

Sl. No	Quantity	Unit	Item	Rate Rs	Per	Total Amt.
1	2	3	4	5	6	7
22	00	Sqm.	Providing & applying two coats of waterproof cement paint to new plastered surface including scaffolding & preparing surface by brooming & brushing, watering for two days etc. complete. DSR P.No. 216/35.13 Spec. Bd. 0.8. P.No. 406	00	Sqm.	00
23	2.37	MT	Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted /welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete. DSRP.No.1701/23.01 Spec. NoBd.C.2 Page No.275	89181.00	MT	211358.97
24	486.97	Sqm	Providing and fixing corrugated galvanised iron sheet of 0.63mm thick (24 B.W.G.) for roofing without wind tiles including fastening with galvanised iron screws and bolts, lead and bitumen washers as per drawing etc. complete. (Weight of 5.5 kg/sq.m.). DSRP.No.156/38.04 Spec. NoBd.Bd.R.5, Page No.453	816.00	Sqm	397367.52
25	8.95	Sqm	Providing and fixing 30mm thick SOLID PANEL PVC INTERNAL DOOR SHUTTER consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 40mm x 20mm for stiles, top, lock and bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame shall be covered with 5mm thick heat molded PVC channel of size 30 x 100mm forming stiles, and 5mm thick, 125mm wide PVC sheets for top rail, lock rail and bottom rail on either side, and 15mm (5mm x 3) thick, 20mm wide cross PVC sheet as gap insert for top rail and bottom rail. Paneling of 10 mm thick prelam PVC sheet to be fitted in the M.S. frame welded / sealed to the stiles and rails with 30mm wide x 5mm thick PVC sheet beading on either side, and joined together with solvent cement adhesive etc. An additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the C Channel using PVC solvent cement adhesive. including stainless steel fixtures and section of shutter including 5mm thick plain glass with all required screws and nuts etc, complete. With colour DSRP.No.190/39.81 As directed by Engineer in charge.	5868.00	Sqm	52518.60
26	10.04	Sqm	Providing and fixing in position. (as per I.S.1868 / 1982) Aluminium sliding window of two tracks with rectangular pipe having overall dimension 63.50 x 38.10 x 1.02 mm at weight 0.547 Kilogram/Running metre. and window frame bottom track section 61.85 x 31.75 x 1.20 mm at weight 0.695 Kilogram/Running metre. Top and side track section 61.85 x 31.75 x 1.30mm at weight 0.659 Kilogram/Running metre. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 Kilogram/Running metre. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 Kilogram/Running metre. And handle section 40 x 18 x 1.25 mm at weight 0.417 Kilogram/Running metre. and top section 40 x 18 x 1.25 mm at weight 0.417 Kilogram/Running metre. As per detailed drawings and as directed by Engineer in charge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5 mm thick plain glass with all required screws and nut etc, complete. With colour Anodising with box. DSRP.No.183/39.37 As directed by Engineer in charge.	5606.00	Sqm	56284.24

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It.No	Quantity	Unit	Item	Rate Rs	Per	Toatl Amt.
1	2	3	4	5	6	7
27	11.91	Sqm	Providing and fixing rollings shutter fabricated from steel laths of minimum thickness 0.9mm with lock plate of 3.15mm thickness reinforced with 35x35mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65mm and 3.15mm respectively with hold fast arrangements, M.S. Bracket plate 300x300x3.15mm minimum size and shape with square bar, suspension shaft of minimum 32mm diameter, hood cover of M.S. sheet not less than 0.9mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade cast iron or mild steel and one coat of red lead primer etc. complete. (I.S.62481979) (With mechanical gear DSR39.26 BD-T-57 Page Number 511	3736.00	Sqm	44495.76
28	2	Nos	Providing and fixing 1st class white glazed earthenware Orissa Type W.C. Pan 580mm dia including Por Strap cast iron soil and vent pipe upto the outside face of the wall (1:5:10) cement concrete bedding 15 mm thick, 10 liter P.V.C. flushing cistern with all necessary pipe connection etc. complete. DSRP.No.42.33 As directed by Engineer incharge.	6860.00	Nos	13720
29	64.36	Rmt	Providing and erecting chain link fencing 1.6M. height with G.I. chain link of size 50 x 50 mm, 8 gauge thick and fixed 75 mm above ground level on vertical M.S. Angles of 40 x 40 x 6 mm size, including excavating pits for foundation and embedded in C.C. block of 1:4:8 mix of size 450 x 450 x 670 mm. at 1.75 M. c/c with iron bar 16mm dia as hold fast including welding link with angle frame at 30 cm c/c with nuts and bolts and horizontal M.S. Angles at top and bottom of 25 x 25 x 5 mm size and vertical M.S. flat 35 x 5 mm and 25 x 5 mm horizontal including cross support of 40 x 40 x 6 mm angles both side at every corner or bend embedded in concrete blocks of 1:4:8 of size 450 x 450 x 670 mm including 3 coats of oil painting etc. complete. DSRP.No.46.39 As directed by Engineer incharge.	506.00	Rmt	32566.16
30	1.00	No	Providing and fixing board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period etc', having rectangular shape of 1.20m x 0.90m size made out 18 gauge (1.25mm) thick mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S. angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mm x 35mm x 3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc. and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including excavation, refilling, transportation, and labour etc complete. Spec. No. As directed by Engineer in Charge DSR 6.60	9284.00	No	9284.00
31	35.13	cum	Providing and laying Cast in situ / Ready Mix cement concrete in M-10 of trap / granite / quartzite / gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying / pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic microprocessor based PLC with SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSIGrade	5872.12	cum	206287.58
32	8.93	cum	Providing and fixing mild steel grill work for windows, ventilator etc. 20 Kilogram / Square Metre as per drawing including fixtures, necessary welding and painting with one coat of anticorrosive paint and two coats of oil painting complete.	1658.00	cum	14805.94

33	5.47	cum	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. lintel/Slab Beams per detailed design and drawings including steel centering, formwork, cover blocks, laying/pumping, compacting and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel). with fully automatic microprocessor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	13459.15	cum	73621.55
34	105.31	cum	and compacting etc. complete 21.38 BDA 12 Providing dry/ trap/ granite/quartzite/gneiss rubble stone soling 15 cm to 20 cm thick including hand packing	72.00	cum	7582.32
35	173.58	sqm	Providing and laying Rough Shahabad Stone Flooring 25 mm to 30 mm thick and of required width in plain/diamond pattern on a bed of 1:6 C.M. including cement floor at, striking joints, pointing in cement mortar 1:3 curing and cleaning etc. complete. Bd.M.1 Page Number 379	694	sqm	120464.52
36	17.57	cum	Providing Gravel filling above murum in 5cm layer.	508.00	cum	1563.73
Total Cost of civil Work						3049511.89
37	1		Test of Sieve Analysis	690.00	Nos	690.00
38	1		Concrete Mix Design (With all Test on Basic Materials)	13755.00	Nos	13755.00
39	1		Test of Compressive Strength - M10 Cubes	690.00	Nos	690.00
40	1		Test of Compressive Strength - M20 Cubes	690.00	Nos	690.00

ABSTRACT

Name Of Work :- Name Of Work :- Construction of SWABHIMAN CORN (MAKA)
Production, Grading, Sales and Service centre in GAT NO. at Motewadi Tal. Malshiras

It. No	Quantity	Unit	Item	Rate Rs	Per	Toatl Amt.
1	2	3	4	5	6	7
41	1		Test of Steel Bars Upto 16mm - (Tensile strength, %, Elongation, Yield Stress, Weight-Per Meter,	1275.00	Nos	1275.00
42	7.72		Add Royalty Charges for Sand	237.37	Cum.	1832.70
43	12.22		Add Royalty Charges for Other Materials	216.18	Cum.	2641.90
Test & Royalty						21574.60
TOTAL Rs:-						
SAY TOTAL Rs:-						3071086.49


Niyativedh Constructions, Baramati
Reg.No.MH26A0102436

MEASUREMENT

Name Of Work :- Construction of SWABHIMAN CORN (MAKA)
Production, Grading, Sales and Service centre in GAT NO. at Motewadi Tal.
Malshiras

It. No.		No	Length	Breadth	Depth	Quantity	Unit	
		2	3	4	5	6	7	
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 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 1.5 m.)							
		Shed	32	0.90	0.90	0.45	11.66 Cum.	
		Toilet	2	8.92	0.30	0.15	0.80 Cum.	
		Shed PB LW	4	19.63	0.30	0.15	3.53 Cum.	
		Shed PB SW	9	14.50	0.30	0.15	5.87 Cum.	
		Rooms PB LW	2	8.92	0.30	0.15	0.80 Cum.	
		Toilet PB SW	5	4.55	0.30	0.15	1.02 Cum.	
		Total :-					22.88 Cum.	
2	Excavation for foundation in hard murum including removing the excavated material upto distance of 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.							
		Shed	24	0.90	0.90	0.15	2.92 Cum.	
		Toilet	8	0.90	0.90	0.15	0.97 Cum.	
		Total :-					3.89 Cum.	
3	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/granite/quartzite/gneiss metal for foundation and bedding including bailing out water, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if require and curing complete, with fully automatic micro processor based PLC with out SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand							
		Shed	32	0.90	0.90	0.10	2.59 Cum.	
		Total					2.59 Cum	
		Net Quantity:-					2.59 Cum.	
4	Providing and laying in situ/Ready Mix 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 etc. including bailing out water, formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC without SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand							
		Shed Footing	32	0.90	0.90	0.35	9.07 Cum.	
		Total :-					9.07 Cum.	
5	Providing and laying Cast in situ/Ready Mix cement concrete M- 20 of trap / granite /quartzite/ gneiss metal for R.C.C. Column as per detailed design and drawing or as directed including centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces 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 and structural steel), with fully automatic micro processor based PLC without SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand							
		Below P.L						
		Shed	16	3.17	0.23	0.375	4.37 Cum.	
		Grading House	8	3.02	0.23	0.375	2.08 Cum.	
		Stuff Column for Shutter Beam	8	2.72	0.23	0.375	1.88 Cum.	
		Stuff Col.	3	2.44	0.23	0.30	0.51 Cum.	
		Total :-					8.84 Cum.	
6	Providing and laying Cast in situ/Ready Mix cement concrete M- 20 of trap / granite /quartzite/ gneiss metal for R.C.C. Beam and lintels as per detailed design and drawings or as directed including centering, formwork, cover blocks, laying/pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel), with fully automatic micro processor based PLC without SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand							
		Shed	6	15.70	0.23	0.30	6.50 Cum.	
		Shed	4	16.39	0.23	0.30	4.52 Cum.	
		Rooms + Toilet	2	13.80	0.23	0.30	1.90 Cum.	
		Rooms + Toilet	5	5.31	0.23	0.30	1.83 Cum.	
		Total :-					14.75 Cum	
7	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including steel centering, formwork, cover blocks, laying/pumping, compacting and roughening the surface 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 fine aggregate (Crushed sand VSI Grade)							
		Staff Room Window Chajja	00	00	00	00	00 Cum.	
		Total :-					00 Cum.	
8	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/granite/quartzite/gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including centering, formwork, cover blocks, laying/pumping compaction finishing the formed surfaces 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 and structural steel), with fully automatic micro processor based PLC without SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand							
		Toilet Slab	1	14.03	7.27	0.125	12.75 Cum.	
		Net Quantity:-					12.75 Cum.	

MEASUREMENT

Name Of Work :- Construction of SWABHIMAN CORN
(Maka)Production,Grading,Sales and Sevice centre in GAT NO. at Motewadi Tal.
Malshiras

It. No.	No	Length	Breadth	Depth	Quantity/Unit	
1	2	3	4	5	6	
9	Providing and fixing in position TMT-FE-500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams, columns, canopies, staircase, newels, chajjas, lintels, parades, 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.					
TOTAL 3.11 M.T						
10	Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually, striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete.					
	Shed LW	2	17.08	0.23	0.45	3.54 Cum.
	SW	3	15.70	0.23	0.45	4.87 Cum.
	Room + Toilet LW	2	13.80	0.23	0.45	2.86 Cum.
	SW	2	5.31	0.23	0.45	1.10 Cum.
	SW	1	2.16	0.23	0.45	0.22 Cum.
Total:-					12.59 Cum.	
11	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 Complete. DSR P.No.189/27.05					
	Room + Toilet	1	13.80	0.23	2.60	8.25 Cum.
		1	12.46	0.23	2.60	7.45 Cum.
		5	5.31	0.23	2.60	15.88 Cum.
		1	3.65	0.23	2.60	2.18 Cum.
	Shed	2	15.70	0.23	3.05	22.03 cum
		2	11.39	0.23	3.05	15.98 cum
Total:-					71.77 Cum	
12	and compacting etc. complete. 21.38 BDA 12 Providing dry/ trap/ granite/quartzite/gneiss rubble stone soling 15 cm to 20 cm thick including hand packing					
	Shed	1	15.24	11.39	0.30	52.08 cum
	Grading House	1	15.24	5.69	0.30	26.01 cum
	Rooms	2	5.31	3.05	0.30	9.72 cum
	Office	1	3.65	3.05	0.30	3.34 cum
	Toilet	2	2.54	2.16	0.30	3.29 cum
	Passage	1	5.54	1.34	0.30	2.23 cum
	Passage	1	13.80	1.50	0.30	6.21 cum
	Passage	1	3.05	2.66	0.30	2.43 cum
Total					105.31 cum	
13	Filling in plinth & floors with Owners murum laying in layers of 15 to 23cm thk. Layer ,watering, compaction etc.					
	Shed	1	15.24	11.39	0.10	17.36 Cum.
	Grading House	1	15.24	5.69	0.10	8.68 cum
	Rooms	2	5.31	3.05	0.10	3.24 cum
	Office	1	3.65	3.05	0.10	1.12 cum
	Toilet	2	2.54	2.16	0.10	1.10 cum
	Passage	1	5.54	1.34	0.10	0.74 cum
	Passage	1	13.80	1.50	0.10	2.08 cum
	passage	1	3.05	2.66	0.10	0.82 cum
Total:-35.13 Cum.						
14	Providing internal cement plaster 6 mm thick in a single coat in cement mortar 1:3 without neeru finish to concrete surface in all positions including scaffolding and curing etc. complete.					
	Office + Room	6	3.05	3.05		55.82 Cum.
	Office + Room	2	3.65	3.05		22.27 cum
		4	5.31	3.05		64.78 cum
	Shed	2	15.24	3.05		92.96 cum
		2	11.39	3.05		69.48 cum
Total:-					305.31 Cum.	
15	Providing Gravel filling above murum in 5cm layer.					
	Shed	2	15.24	11.39	0.05	8.68 cum
	Grading House	1	15.24	5.69	0.05	4.34 cum
	Rooms	2	5.31	3.05	0.05	1.62 cum
	Office	1	3.65	3.05	0.05	0.56 cum
	Toilet	2	2.45	2.16	0.05	0.55 cum
	Passage	1	5.54	1.34	0.05	0.37 cum
	Passage in front of Rooms	1	13.80	1.50	0.05	1.04 cum
	Passage	1	3.05	2.66	0.05	0.41 cum
Total					17.57 cum	

MEASUREMENT

Name Of Work :- Construction of SWAHIMAN CORN (Maka) Production, Grading, Sales and Service centre in
GAT NO. at Motewadi Tal. Maharashtra

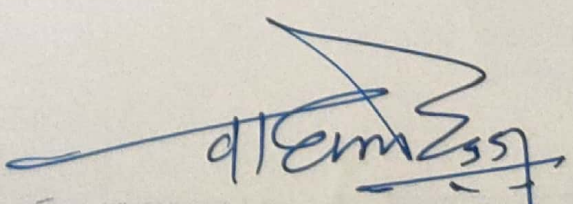
Sl. No.	Description	No	Length	Breadth	Depth	Quantity	Unit
1		2	3	4	5	6	7
16	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 Kilogram per cement bag curing 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 joints and curing for fourteen days scaffolding etc. complete.						
	Shed	1	11.85		3.65	43.25sqm	
		1	8.34		3.05	25.44sqm	
		1	28.20		3.15	88.835sqm.	
		4	2.16		2.44	21.08sqm.	
		4	2.54		2.44	24.79sqm.	
	Shed	2	15.70		3.65	114.61sqm	
						Total 318.00,8qm.	
	Deduction						
	D	3	0.91	2.13		9.69sqm	
	W	6	1.22	1.22		8.93sqm	
	V	2	0.61	0.91		1.11sqm	
						Total 19.73sqm	
						Net Total 298.275sqm	
17	Providing and laying Polished Tandar Stone flooring 25mm to 30mm thick 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 etc. complete. 33.05						
	Office	1		3.05	3.65	11.135sqm.	
	Room	2	5.31	3.05		32.39sqm	
	Ceramic Tiles Bottom	2	2.16	2.54		10.97sqm	
	Wall Tiles Dado	4	2.16	2.44		21.08sqm	
		4	2.54	2.44		24.72sqm	
						Net Quantity:- 100.36Sqm.	
18	Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted /welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete.						
	Angle - 50 x 50 x 5	22	11.85			260.70M	890.66kg
		28	7.85			219.80M	835.24kg
		11	5.92			130.24M	247.46kg
		10	7.85			78.50M	298.30kg
						Totalwt	2.37 Mt
						NetQty	2.37 Mt

MEASUREMENT

Name Of Work :- Construction of SWABHIMAN CORN (Maka) Production, Grading, Sales and Service centre in GAT NO. at Motewadi Tal. Malshiras

Sl. No.	No	Length	Breadth	Depth	Quantity	Unit	
19	Providing and fixing corrugated galvanised iron sheets of 0.63mm thick (24 B.W.G.) for roofing without wind tiles including fastening with galvanised iron screws and bolts, lead and bitumen washers as per drawing etc. complete. (Weight of 5.5 kg/sq.m.)						
	Shed	2	8.35	23.24	388.11	Sqm	
		2	8.35	5.92	98.86	Sqm	
	Total					486.97	Sqm
20	Providing and fixing 30mm thick SOLID PANEL PVC INTERNAL DOOR SHUTTER consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 40mm x 20mm for stiles, top, lock and bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame shall be covered with 5mm thick heat molded PVC channel of size 30 x 100mm forming stiles, and 5mm thick, 125mm wide PVC sheets for top rail, lock rail and bottom rail on either side, and 15mm (5mm x 3) thick, 20mm wide cross PVC sheet as gap insert for top rail and bottom rail. Paneling of 10 mm thick prelam PVC sheet to be fitted in the M.S. frame welded / sealed to the stiles and rails with 30mm wide x 5mm thick PVC sheet beading on either side, and joined together with solvent cement adhesive etc. An additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the C Channel using PVC solvent cement adhesive. including stainless steel fixtures and fastening Complete as per direction of Engineer in charge, manufacturer's specification and drawing.						
	Main Door D	3	0.90	-	2.13	5.75	Sqm
	Toilet Doors D2	2	0.75	-	2.13	3.20	Sqm
	Net Qty					8.95	Sqm
21	Providing and fixing in position. (as per I.S. 1868/1982) Aluminium sliding window soft tracks with rectangular pipe having overall dimension 63.50 x 38.10 x 1.02 mm at weight 0.547 Kilogram/Running metre. and window frame bottom track section 61.85 x 31.75 x 1.20 mm at weight 0.695 Kilogram/Running metre. Top and side track section 61.85 x 31.75 x 1.30 mm at weight 0.659 Kilogram/Running metre. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 Kilogram/Running metre. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 Kilogram/Running metre. And handle section 40 x 18 x 1.25 mm at weight 0.417 Kilogram/Running metre. and top section 40 x 18 x 1.25 mm at weight 0.417 Kilogram/Running metre. As per detailed drawings and as directed by Engineer in charge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5mm thick plain glass with all required screws and nuts etc, complete. With colour Anodising with box.						
	Room Window W-1	6	1.22	-	1.22	8.93	Sqm
	Toilet Ventilators	2	0.61	-	0.91	1.11	Sqm
	Net Qty					10.04	Sqm
22	Providing and fixing rollings shutter fabricated from steel laths of minimum thickness 0.9mm with lock plate of 3.15mm thickness reinforced with 35x35mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65mm and 3.15mm respectively with hold fast arrangements, M.S. Bracket plate 300x300x3.15mm minimum size and shape with square bar, suspension shaft of minimum 32mm diameter, hood cover of M.S. sheet not less than 0.9mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade cast iron mild steel and one coat of lead primer etc. complete. (I.S. 6248/1979) (With mechanical gear						
	R.S	2	2.44	-	2.44	11.91	Sqm
	Net Qty					11.91	Sqm
23	Providing and fixing 1st class white glazed earthenware Orissa Type W.C. Pan 580 mm dia including P or S trap cast iron soil and vent pipe upto the outside face of the wall (1:5:1 0) cement concrete bedding 15 mm thick, 10 liter P.V.C. flushing cistern with all necessary pipe connection etc. complete.						
		2	6860			13720	RS
24	Providing and erecting chain link fencing 1.6 M. height with G.I. chain link of size 50 x 50 mm, 8 gauge thick and fixed 75 mm above ground level on vertical M.S. Angles of 40 x 40 x 6 mm size, including excavating pits for foundation and embedded in C.C. block of 1:4:8 mix of size 450 x 450 x 670mm. at 1.75M.c/w with iron bar 16mm dia as hold fast including welding link with angle frame at 30cm/cw with nuts and bolts and horizontal M.S. Angles at top and bottom of 25x25x5mm size and vertical M.S. flat 35x5mm and 25x5mm horizontal including cross support of 40x40x6mm angles both side at every corner or bend embedded in concrete block of 1:4:8 of size 450x450x670mm including 3 coats of oil painting etc. complete.						
		2	32.50			65.00	RMT
		2	30.68			64.36	RMT
	Total					126.36	RMT
25	Providing and fixing board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period etc', having rectangular shape of 1.20m x 0.90m size made out 18 gauge (1.25mm) thick mild steel sheet painted with one coat of Zinc chromate stove primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S. angle of size 35x35x3mm frame with properly cross braced M.S. angles of size 35mm x 35mm x 3mm duly painted including Two M.S. angle iron posts of size 65mm x 65mm x 6mm, 3.65m long painted with alternate black and white band of 25mm width including all fixtures etc. and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including excavation, refilling, transportation, and labour etc complete						
	1					1.00	No.
26	Providing and laying Cast in situ Ready Mix concrete in bed of 100mm granite / quartzite / gneiss metal for foundation and bedding including bail in out water, Steel centering, form work, laying / pum ping, compacting, roughening them if special finish is to be provided, finishing / finishing / require clau de using complete, with fully automatic mixer processor based PLC with S.C.A.D.A enabled reversible Drum Type mixer / concrete Batch mix plant (Par mixer) etc. complete. With fine aggregate / Crushed and V.S.I Grade						
	Rooms	2	5.31	3.05	0.10	3.24	Sqm
	Office	1	3.65	3.05	0.10	1.12	cum
	Toilet	2	2.54	2.16	1.10	1.10	cum
	Passage	1	5.54	1.34	0.10	0.74	cum
	Passage	1	13.80	1.50	0.10	2.08	cum
	Shed	1	3.05	2.66	0.10	0.82	cum
		1	15.24	11.39	0.10	17.36	cum
		1	15.24	5.69	0.10	8.67	cum
	Total					35.13	cum

27	Providing and fixing mild steel grill work for windows, ventilator sets, 20 Kilogram/Square Metre as per drawing including fixtures, necessary welding and painting with one coat of anticorrosive paint and two coats of oil painting complete.	6	1.22	1.22			8.93sqm
28	Providing and laying Cast in situ/Ready Mix concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. lintel/Slab Beams per detailed design and drawings including steel centering, formwork, cover blocks, laying/pumping, compacting and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel), with fully automatic microprocessor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)						
	Lintel - Room + Office D	3	1.80	0.23	0.15	0.19 cum	
	W	6	1.80	0.23	0.15	0.37 cum	
	V	2	1.51	0.23	0.15	0.10 cum	
	D	2	1.35	0.23	0.15	0.09 cum	
						Total	0.75 cum
	Slab Beam - Room + Toilet	2	13.80	0.23	0.30	1.90 cum	
		5	5.31	0.23	0.30	1.83 cum	
		1	3.05	0.23	0.30	0.21 cum	
		1	2.16	0.23	0.30	0.15 cum	
						Total	4.09 cum
	Shutter beam	2	3.64	0.23	0.375	0.63 cum	
						Net Total	5.47 cum
29	Providing and laying Rough Shahabad Stone Flooring 25mm to 30mm thick and of required width in plain/diamond pattern on bed of 1:6 C.M. including cement float, striking joints, pointing in cement mortar 1:3 curing and cleaning etc. complete. Bd.M.1 Page Number 379	1	15.24	11.39		173.58sqm	Total 173.58sqm
30	Test of Sieve Analysis	1					1 Nos
31	Test of Compressive Strength - M10 Cubes	1					1 Nos
32	Test of Compressive Strength - M20 Cubes	1					1 Nos
33	Test of Steel Bars Upto 16mm - (Tensile strength, %, Elongation, Yield Stress, Weight-Per Meter, Bend / Rebend Test, Proof Stress.)	1					1 Nos
34	Add Royalty Charges for Sand	1					7.72 Cum
35	Add Royalty Charges for Other Materials	1					12.22 Cum


 Niyatedh Constructions, Baramati
 Reg.No.MH26A0102436

Royalty Statement

Name Of Work :- Name Of Work :- Construction of SWABHIMAN CORN (Maka) Production, Grading, Sales and
Sevice centre in GAT NO. _____ at Motewadi Tal. Malshiras

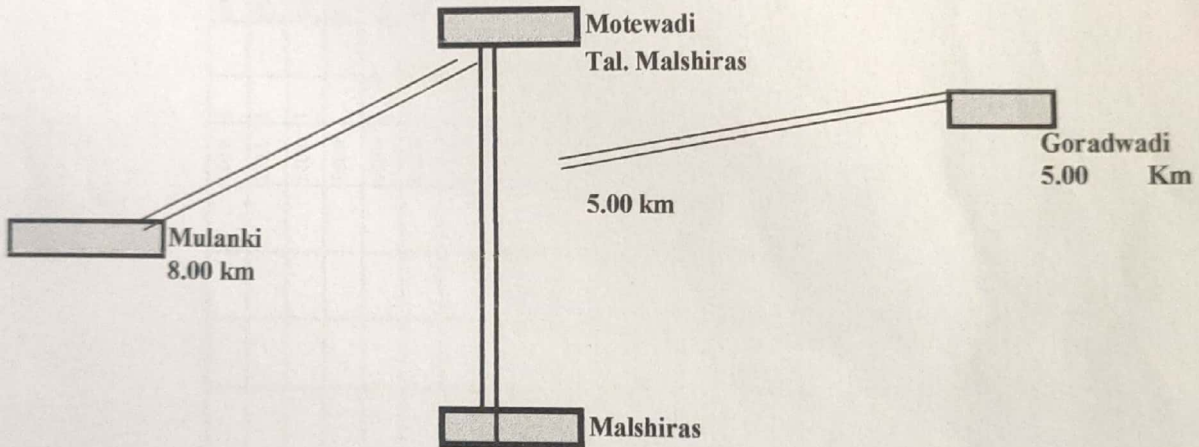
Sr. No.	Item of Work	Quantity	Sand Required for 1 Cum	For Other Materials	Total Sand	Total Other Material	Unit
1	Filling in plinth	4.50	0.00	1.00	0.00	4.50	Cum
2	15 mm Sand Faced Plaster	233.97	0.033	0.033	7.72	7.72	Cum
		Total			7.72	12.22	Cum

LEAD CHART

Name Of Work :- Name Of Work :- Construction of SWABHIMAN CORN (Maka) Production, Grading, Sales and Service centre in GAT NO. at Motewadi Tal. Malshiras

Sr. No.	Kind Of Material	Source Of Material	Total Lead		Deduct Initial Lead		Difference (5 - 7)	Remark
			Lead In Km	Lead Charge	Lead In Km	Lead Charge		
1	2	3	4	5	6	7	8	9
1	Cement	Malshiras	5.00	211.04	0.00	0.00	10.55	Per Bag
2	Steel	Malshiras	5.00	211.04	0.00	0.00	211.04	
3	Flooring	Malshiras	5.00	21.10	0.00	0.00	21.10	Per Sqm
4	Sand	Goradwadi	5.00	286.38	0.00	0.00	286.38	
5	Metal <40mm	Malshiras	8.00	299.83	0.00	0.00	299.83	
6	Metal >40mm	Malshiras	8.00	287.34	0.00	0.00	287.34	
7	Rubble	Motewadi	0.2	366.82	0.00	0.00	366.82	
8	Bricks	Motewadi	1.00	603.12	0.00	0.00	0.60	Per No
9	Murum	Motewadi	0.2	178.13	0.00	0.00	178.13	

QUARRY CHART



This is to certify that the lead shown in Quarry Chart are inspected by me. The leads are correct, nearest and economical for the work. They contain sufficient and good quality of material as such. No Other quarry is available with in this lead.

(Handwritten Signature)

Niyatedh Constructions, Baramati
Reg.No.MH26A0102436

