



**TAWADE**  
**CONSTRUCTION**

| PLAN  
| ELEVATION  
| INTERIOR DESIGN  
| STRUCTURE DESIGN  
| BUILDING PERMISSION  
| ESTIMATION AND COST

154  
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## ESTIMATE

**NAME OF OWNER-**

**LOCATION - G.NO. 89/1/B, VILL. DUDHALE, TAL. & DIST. - NANDURBAR**

**NAME OF WORK - ESTIMATE OF WARE HOUSE SHED BUILDING**

S.N.	Item	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 back filling, ramming, watering Including shoring and strutting etc. complete. (LIFT UPTO 1.5 M.) SSR ITEM NO. - 21.01	Cu.Mt.	76.16	217.00	16526.72
2	Providing dry trap / granite/ quarters / gneiss rubble stone 15 to 20 cm thick below footing including hand packing and compacting complete. SSR ITEM NO. - 21.38	Cu.Mt.	7.32	1108.00	8110.56
3	Providing and laying in situ, cement concrete in M10 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. (Wooden planks / shuttering will not be allowed) SSR ITEM NO. - 24.01	Cu.Mt.	7.32	5449.00	39886.68
4	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) SSR ITEM NO. - 25.11	Cu.Mt.	2.21	6440.00	14232.40

5	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 drawings and designs including fixing plastic cover block of required size at 1.5 m c/c near the edge of each side & at the center when the width is more than 75 cm to reinforcement to give a clear cover of 40 to 65 mm from all sides in R. C. C. Column centering, formwork, of ply wood/ steel compaction covering newly laid concrete by gunny bag , plastic or tarpaulin finishing the formed surface with cm 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 plaster 1:3 considered for rendering uneven and honey combed surface only ( wooden plank , shuttering will not be allowed) SSR ITEM NO. - 25.31	Cu.Mt.	21.66	12528.00	271356.48
6	Providing and casting in situ cement concrete of M-20 grade of trap granite/quartzite/gneiss metal for R.C.C. beam as per detailed drawings and designs including fixing plastic cover block of required size at 1.5 m c/c near the edge of each side & at the center when the width is more than 90 cm to reinforcement to give a clear cover of 40 to 65 mm from all sides in R. C. C. Column centering, formwork, of ply wood/ steel compaction covering newly laid concrete by gunny bag , plastic or tarpaulin finishing the formed surface with cm 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 plaster 1:3 considered for rendering uneven and honey combed surface only ( wooden plank , shuttering will not be allowed) SSR ITEM NO. - 25.50	Cu.Mt.	9.23	11104.00	102489.92
7	Providing Brick masonry in cement mortar 1:6 using Second class burnt bricks in foundations and plinth of inner walls / in plinth of external walls including bailing-out water manually, striking joints on unexposed faces, raking out joints on exposed faces and watering complete. SSR ITEM NO. - 27.01	Cu.Mt.	28.36	6663.00	188962.68
8	Providing and laying Cast in situ/ Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. coping to plinth or parapet and sill of doors and windows moulded as per detailed drawings or chamfered as approved by the Engineer including steel centering, formwork, coverblocks, laying/ pumping, compacting, curing, finishing and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel). with fully automatic microprocessor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mixplant (Panmixer) etc.complete. With fine aggregate (Crushed sand VSI Grade) SSR ITEM NO. - 26.23	Cu.Mt.	1.88	6519.00	12255.72

156

9	Filling in plinth and floors with contractors material (Murum) approved by Engineer in charge in 15 cm to 20cm. layers including watering and compaction complete. As per directed by engineer charge.	Cu.Mt.	338.64	446.00	151033.64
10	Providing soling using 80 mm size trap metal in 15 cm.layer including filling voids with sand / grit, ramming,watering complete. SSR ITEM NO. - 21.40	Cu.Mt.	172.32	1105.00	190413.60
11	Providing second class Burnt Bricks masonry withconventional/ I.S. type bricks in cement mortar 1:4 in superstructure including, striking joint stacking out jointsand watering and scaffolding complete. SSR ITEM NO. - 27.11	Cu.Mt.	132.22	8718.00	1152693.96
12	Providing and casting in situ cement concrete of M-20 grade of trap granite/quartzite/gneiss metal for R.C.C. lintels as per detailed drawings and designs including fixing plastic cover block of required size at 1.5 m c/c near the edge of each side & at the center when the width is more than 90 cm to reinforcement to give a clear cover of 40 to 65 mm from all sides in R. C. C. Column centering, formwork, of ply wood/ steel compaction covering newly laid concrete by gunny bag , plastic or tarpaulin finishing the formed surface with cm 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 plaster 1:3 considered for rendering uneven and honey combed surface only ( wooden plank , shuttering will not be allowed) SSR ITEM NO. - 25.50	Cu.Mt.	3.12	11104.00	34644.48
13	Providing and casting in situ cement concrete of M-20 grade of trap granite / quartzite / gneiss metal for R.C.C. slabs 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) SSR ITEM NO. - 25.50	Cu.Mt.	0.00	13511.00	0.00
14	Providing and fixing in position T. M. T. FE 500 -bar of various diameters for R.C.C. pile caps, footing, foundations, slabs, beams, columns,grid beams, canopies, staircase, newels, chajjas, lintels, pardis, coping, fins, archives etc. as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required completed. SSR ITEM NO. - 26.33	M.T	0.80	65117.00	52093.60

157

15	Providing <b>internal cement plaster 20mm thick in Two coats</b> in cement mortar 1:5 with out neeru finish, to concrete, brick surface, in all positions including scaffolding and curing complete. SSR ITEM NO. - 32.06	Sq.M.	532.20	359.00	191059.80
16	Providing Narmada sand faced <b>external Plaster</b> in cement mortar using kharsalia/kasaba/ Narmada or similar type of sand in all positions including base base coat of 15 mm thick cement mortar 1:4 using water proofing compound at 1 kg per cement bag having second coat of Narmada Sand in cement mortar 1:2 using water proofing compound 1kg. per cement bag. Curing the same of the base than 2 days and keeping the surface rough to receive the second coat of Narmada Sand finishing the surface by taking out grains & curing for 14days.Scaffolding complete SSR ITEM NO. - 32.11	Sq.M.	668.23	599.00	400269.77
17	Providing and fixing mild steel grill work weighing <b>20 kg / sqm. for windows, ventilators etc.</b> as per drawing including fixtures, necessary welding & painting with one coats of anti corrosive paint & two coats of oil painting complete. Spec. No. : Bd.U.1 Page No. 537 SSR ITEM NO. - 40.01	Sq.M.	136.20	1571.00	213970.20
18	Providing and laying <b>cement concrete flooring 50mm thick</b> with M20 cement concrete laid to proper level and slope in alternate bays including compaction, filling joints, marking lines to give the appearance of tiles of 30cm x 30cm or other size laid diagonally/ square etc. finishing smooth (with extra cement) in any colour as directed and curing etc. complete. with Crushed sand VSI Grade SSR ITEM NO. - 33.15	Sq.M.	1215.20	539.00	654992.80
19	Supplying and fixing in position <b>Powder coated aluminium extruded section three track sliding windows</b> upto 1.2 meter height, outer frame made from section of overall size 92 mm x 45 mm, bottom section with or without drains track section weighing 0.901 kg. per running metre & top & side section weighing 0.838 kg. per running metre with shutters of sections made of 19mm. x 40mm. size having average weight of 0.6 kg per running meter (or as per required size with change in proportionate weight) with 5.5 mm selected quality plain sheet glass fixed with nylon encased stainless rollers, necessary locks and handles etc. complete. (Drawing job No.T-MISC / 5000 Drg.No.22 dt.3.2.92.) Additional Item. Spec. No. As directed by Engineer in charge.	Sq.M.	136.00	4050.00	550800.00

20	Providing and fixing <b>rolling shutter</b> fabricated from steel laths of minimum thickness 0.9mm with lock plate of 3.15mm thickness reinforced with 35x35x5mm 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) SSR Item No. 39.25	Sq.M.	8.72	4473.00	39004.56
21	Providing and fixing 22 B.W.G. plain <b>galvanised iron</b> sheets on top of weathershed, including scaffolding, fixing by means of nut and bolts or as directed etc.complete. (Brackets of 70 x 45 mm to be paid separately) SSR Item No. 39.88	Sq.M.	653.00	741.00	483873.00
22	Providing structural <b>steel work in trusses</b> , 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 approved quality and shade etc. complete SSR Item No. 23.04	M.T	9.20	91824.00	844780.80
23	Providing and Fixing G.I. sheets of 22 B.W.G.(0.8mm) over the <b>ridge, hip or valley</b> for galvanised corrugated iron sheet roofing including fastening with G.I. screws and bolts and lead and bitumen washers, including filling gaps by C.M. 1:3 etc. complete.	M.T	58.20	369.00	21475.80
24	Providing and fixing <b>valley gutter</b> of 22 B.W.G. (0.8 mm) plain galvanised iron sheets 90 cm wide with teak wood planking 20 mm thick including two coats of coal-tarring the upper surface of plank etc. complete. (excluding painting to underside of plank).SSR Item No. 38.09	M.T	113.20	1947.00	220400.40
<b>TOTAL ESTIMATE COST -</b>					<b>58,55,327.37</b>
<b>SAY TOTAL ESTIMATE COST -</b>					<b>58,55,000.00</b>

**(Rupees Fifty-eight Lac Fifty-five Thousand only.)**

