

**NAME OF WORK :- PROPOSED CONSTRUCTION OF PROCESSING UNIT SHED IN GAT NO.- 06,
AT AUNDHA, TQ.KHATAV, DIST. SATARA.**

ABSTRACT SHEET

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL 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 & <u>stacking and spreading as directed. dewatering. preparing the</u> (S.S.R. OF 2022-23 I.No. 21.02 P.No. 153)				
	RATE ANALYSIS	161.550	207.00	Cu.M.	33441.00
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 (S.S.R. I.No. 21.06 P.No. 153)				
	RATE ANALYSIS	64.620	227.00	Cu.M.	14669.00
3	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for <u>foundation and bedding including bailing out water. formwork</u> (S. e-S.S.R. I.No. 24.01 P.No. 175				
	RATE ANALYSIS	135.902	6912.25	Cu.M.	939389.00
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 <u>R.C.C columns and steel stanchions etc including bailing out</u> (S- S.S.R. I.No. 25.11, P.No. 178)				
	RATE ANALYSIS	40.824	7943.62	Cu.M.	324290.00
5	Providing and laying Cast in situ /Ready Mix cement concrete M20 of trap /granite/quartzite/gneiss metal for R.C.C.columns <u>as per detailed designs and drawing or as directed including</u> (S- S.S.R. I.No. 25.31, P.No. 179)				
	RATE ANALYSIS	25.575	14684.17	Cu.M.	375548.00
6	Providing and laying Cast in situ /Ready Mix cement concrete M20 of trap/granite/quartzite/gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed (S- S.S.R. I.No. 25.50, P.No. 135)				
	RATE ANALYSIS	19.341	13512.50	Cu.M.	261345.00
7	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. <u>PARDI as per detailed design and drawings including</u> (S.S.R. I.No. 26.17, P.No. 185)				
	RATE ANALYSIS	0.216	16810.50	Cu.M.	3631.00
8	Providing and laying Cast in situ /Ready Mix cement concrete M20 of trap/granite/ quartzite/gneiss metal for R.C.C. slab sand landings as per detailed designs and drawings including <u>centering,formwork, cover blocks, laying/pumping,</u> (S.S.R. I.No. 25.70, P.No. 182)				
	RATE ANALYSIS	3.996	15175.50	Cu.M.	60641.00
9	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 designs and drawings including <u>centering formwork cover blocks compacting</u> (S.S.R.I.No. 26.05, P.No. 184)				
	RATE ANALYSIS	0.130	15175.50	Cu.M.	1973.00

ABSTRACT SHEET

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
10	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,chaiias, lintels, pardis, copings, fins,arches etc. as per (S.S.R. I.No.26.33, P.No. 188)				
	RATE ANALYSIS	9.907	90051.11	Cu.M.	892136.0
11	Providing soling using 80mm. size trap metal in 15cm. layer including filling voids with crused sand/grit, ramming, watering etc. complete. Spec. no. As directed by Engineer in charge .				
	(S.S.R. I.No.21.40 P.No. 157)				
	RATE ANALYSIS	29.751	1942.73	CUM	57798.00
12	Filling in plinth and floors with contractors material/ brought from out side and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. Complete (Spec.No.Bd.A.11 page No.263)				
	(S.S.R.I.No. 21.37, P.No. 157)				
	RATE ANALYSIS	677.561	1029.44	Cu.M.	697508.00
13	Providing masonry with conventional / Indian Standard type bricks in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls including bailing out water				
	(S.S.R.I.No. 27.01, P.No.197)				
	RATE ANALYSIS	24.178	9447.24	Cu.M.	228415.00
14	Providing masonry with conventional / Indian Standard type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding complete. (Spec.No.Bd.G.5 page No.315)				
	(S.S.R.I.No. 27.05, P.No. 197)				
	RATE ANALYSIS	38.398	9687.24	Cu.M.	371971.00
15	Providing internal cement plaster 6 mm thick in a single coat in cement mortar 1:4 without neeru finish to concrete surface in all positions including scaffolding and curing etc. complete. Spe. No. :Bd.L.1 Page				
	As Directed By Engineer Incharge				
	(S.S.R.I.No. 32.01, P.No. 209)				
	RATE ANALYSIS	21.600	232.75	Sq.M.	5027.00
16	Providing internal cement plaster 20 mm 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. Spe. No. :Bd. L.2 Page No. 368				
	(S.S.R. I. No. 32.06 P. No. 209)				
	RATE ANALYSIS	193.102	404.75	Sq.M.	78158.00
17	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				
	(S.S.R. I. No. 32.11 P. 209)				
	RATE ANALYSIS	316.261	668.75	Sq.M.	211500.00
18	Providing and laying in situ cement concrete M20 with tremix treatment for 100 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessaryrefilling with bitumen etc. complete				
	(S.S.R. I. No. 33.30 P. 216)				
	RATE ANALYSIS	780.060	839.00	Sq.M.	654470.00

ABSTRACT SHEET

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
19	Providing and applying white-wash in two coats on old/new plastered or masonry surfaces and asbestos cement sheets including scaffolding and preparing the surface by brushing and brooming down etc. complete. (S.S.R. I. No. 36.03 P. 227)				
	RATE ANALYSIS	214.702	12.00	Sq.M.	2576.00
20	Providing & applying washable oil-bound distemper of approved colour and shade to old & new surfaces in two coat including scaffolding, preparing the surfaces. (excluding the primer coat) etc. complete Spec. No. :Bd. P.5 (S.S.R.I.No. 36.11, P. No. 227)				
	RATE ANALYSIS	214.702	48.00	Sq.M.	10306.00
21	Providing and applying two coats of exterior weather shield paint of approved manufacture and of approved colour to the plastered surfaces including cleaning ,preparing the plaster (S.S.R.I.No. 35.26, P. No. 225)				
	RATE ANALYSIS	316.261	295.00	Sq.M.	93297.00
22	Providing & constructing Brick Masonry Inspection Chamber 60cm x 45cm x 90cm including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half As directed by Engineer in charge. (S.S.R. I.No. 42.10, P.No. 274)				
	RATE ANALYSIS	2.000	14303.05	Sq.M.	28606.00
23	Providing and laying machine cut machine polished machine cut Kota stone slabs 20 to 25 mm thick for treads and risers of steps and staircases with rounded nosing for the (S.S.R. I.No.33.18 P. No. 215)				
	RATE ANALYSIS	8.640	1619.71	Sq.M.	13994.00
24	Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with powder coating as per detailed drawing and specifications including aluminium frames 80 x 38 mm x 1.22 mm box type 5 mm (S.S.R. I.No.39.68 P. No. 259)				
	RATE ANALYSIS	17.280	3467.00	Sq.M.	59910.00
25	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) (S.S.R. I.No. 38.05 P. No. 233)				
	RATE ANALYSIS	967.219	1139.00	Sq.M.	1101662.00
26	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 (S.S.R. I.No. 23.02 P. No. 173)				
	RATE ANALYSIS	14.508	97759.00	MT	1418315.00
27	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9mm with lock plate of 3.15mm thickness reinforced with 35x35x5 mm angle section fitted (S.S.R. I.No. 39.25 P. No. 249)				
	RATE ANALYSIS	39.680	5308.00	Sq.M.	210621.00
28	Providing and fixing 45 cm wide mild steel ladder of 40mmx6mm mild steel flat stringers and steps of 18 mm dia. Mild steel bar for water tank including fixing itin(1:2:4)M-15 (S.S.R. I.No. 41.56 P. No. 271)				

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SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
	RATE ANALYSIS	7.000	1128.00	RMT	7896.00
29	Conveying materials obtained from excavation including all lifts,laying in layers of 20cm. to 30cm.breaking clods,dressing to the required lines,curves,grades and section,watering and (S.S.R. I.No. 2.26 P. No. 25)				
	RATE ANALYSIS	226.170	393.00	cum	88885.00
30	Providing preconstructional antitermite treatment as per I.S.6313(Part-II) by treating the top surface of plinth filling at the rate of 5 litres of emulsion concentrate at 1.0 percent of clorophyrifos per square metre of surface area covering ten (S.S.R. I.No. 21.24 P. No. 156)				
	RATE ANALYSIS	780.060	108.00	sqm	84246.00
31	Providing and fixing lioghtening conductor system comprising of erecting Air-Termination consisting of tubular copper rod of 25 mm dia.1.2mm thick with multiple point shead 1.2mt. long(HeavyDuty)welded or clamped to G.I.pipe pole Bgrade 50mm dia of requiired length with M.S.round bnase plate 25 Cm diam and 10 mm thick at (S.S.R. I.No. 44.18 P. No. 295)				
	RATE ANALYSIS	1.000	25784.00	sqm	25784.00
32	ADA compliant modular Multilingual and tactile Emergency evacuation map of each floor indicating the current position of the viewer saying "YOU ARE HERE" of 15 mm height letter sin red with white bac Kilogram round, indicating the emergency exits. locations of fire extinguishers etc. Signs shall have a (S.S.R. I.No. 51.74 P. No. 371)				
	RATE ANALYSIS	4.000	19750.00	Nos.	79000.00
			TOTAL Rs.		8437008
SUB WORK II: PEB WORK					
1	Above Plinth PEB Structure - providing & errecting PEB structure with zincallume sheets etc.complete.				
	RATE ANALYSIS	752.846	4819.81	SQM	3628577.56
2	Prov.& fixing 24" S S turbo ventilators with polycarbonate sheet				
	RATE ANALYSIS	10.000	11112.00	Nos.	111120.00
Total					3739697.56
SUB WORK V: Laboratory test of construction material					
1) BASIC TEST OF AGGREGATE					
	a) Water Absorption, Specific Gravity,Impact Value, Crushing Value.	1.00	2600.00	Nos.	2600.00
	b) Sieve Analysis.	1.00	690.00	Nos.	690.00
	c) Abrasion Value.	1.00	1170.00	Nos.	1170.00
	d) Flakiness Index & Elongation Index.	1.00	850.00	Nos.	850.00
2) BRICKS					
	Water Absorption (Set of 5 Bricks), Compressive Strength(Set of 5 Bricks), Efflorescence (Set of 5 Bricks).	1.000	2175.00	Nos.	2175.00
3) CONCRETE					
	a) Compressive Strength OF C.C. Cube (Set of 3 cubes).	1.000	690.00	Nos.	690.00
	b) Concrete Mix Design (With all Tests on basic materials)	1.000	13755.00	Nos.	13755.00
4) STEEL					

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SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
	Steel bar testing upto 16 mm (set of 3 bars)(Tensile strength, %, Elongation, Yield Stress,Weight-Per Meter, Bend / Rebend Test Proof Stress)	1.000	1275.00	Nos.	1275.00
		TOTAL Rs.			23205.00