

NAME OF WORK :- Abstract & Estimate of Proposed Machine Shed construction belongs to " KRUSHIKUNNATI SHETKARI PRODUCER COMPANY LTD. ", Situated At Mouza Girgaon, Gat No. 1100, Tah. Nagbhid, Dist. Chandrapur. (Built up area = 250.00 Sqmt.)								
Sr. No	PARTICULARS	Nos	L(M)	B(M)	H/D(M)	QTY(Cum)	RATE	AMOUNT
1	Excavation for foundation earth, soils of all types, sand, gravel & soft murum, including removing the excavation material up to a distance of 50 m and necessary back filling, raming, watering, including shoring & strutting as necessary complete.SSR No. 21.01, Page No. 152							
	C.1	10	1.50	1.50	2.40	54.000		
	C.2	12	1.70	1.70	2.40	83.232		
						137.232	239	32798.4
						Cum		
2	Providing and laying in situ cement concrete in 1:4:8 of trap/granite/quartzite/gneiss metal for foundation andfor rendering uneven and honey combed surface only. Newly laid concrete shall be covered by gunny bag,plastic, trapaulin etc.SSR No. 24.01, Page No. 173							
	C.1	10	1.60	1.60	0.10	2.560		
	C.2	12	1.60	1.60	0.10	3.072		
	Floor bed	1	8.54	16.65	0.10	14.219		
						19.851	5830	115731.913
						Cum		
3	Providing and laying in situ/Ready Mix cement concrete M20 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 stanchion etc. including bailing out water, Steel centering 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 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) . SSR No. 25.11, Page No. 176							
		10	1.50	1.50	0.45	10.125		
		12	1.50	1.50	0.30	8.100		
						18.225	7104	129470.4

Sr. No	PARTICULARS	Nos	L(M)	B(M)	H/D(M)	QTY(Cum)	RATE	AMOUNT
4	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 drawings or as directed including steel 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 with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade). SSR No. 25.31, Page No. 177							
	a) below G.L. C.1	10	0.30	0.60	1.85	3.330		
	a) above G.L C.1	10	0.30	0.60	9.32	16.776		
	a) below G.L. C.2	12	0.30	0.45	1.85	2.997		
	a) above G.L C.2	12	0.23	0.45	9.32	11.575		
						20.106	13783	277121.00
						Cum		
5	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 including steel 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 with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade). ssr item no. 25.50, Page No. 179							
	A) at ground level	2	14.21	0.23	0.45	2.941		
		2	17.60	0.23	0.45	3.643		
						6.585		
	B) At Lintel Level							
		2	14.21	0.23	0.30	1.961		
		2	17.60	0.23	0.30	2.429		
						4.390		
	Net		6.58		4.39	10.974	12269	134645.53
						Cum		
8	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. Ssr Item No. 27.01, Page No. 193							
		2	14.21	0.23	0.90	5.883		
		2	17.14	0.23	0.90	7.096		
						12.979	7755	100651.3695
						Cum		

Sr. No	PARTICULARS	Nos	L(M)	B(M)	H/D(M)	QTY(Cum)	RATE	AMOUNT
9	ProvidingsecondclassBurntBrickmasonrywithconventional/I.S.typebricksincementmortar1:6insuperstructureincludingstrikingjoints,rakingoutjoints,wateringandscaffolding etc. Complete. Ssr Item No. 27.05, Page No. 193							
		2	14.21	0.23	4.50	29.415		
		2	17.14	0.23	4.50	35.480		
						64.895	7994	518766.63
						Cum		
11	ProvidingandlayingCastinsitu/ReadyMixcementconcreteinM20oftrap/granite/quartzite/gneissmetalforR.C.C.copingtoplinthorparapetandsillofdoorsandwindowsmouldedasperdetaileddrawingsorhamferedasapprovedbytheEngineerincludingsteelcentering,formwork,coverblocks,laying/pumping,compacting,curing,finishingandrougheningthemifspecialfinishistobeprovidedandcuringcomplete.(Excludingreinforcementandstructuralsteel).withfullyautomaticmicroprocessorbasedPLCwithSCADAenabledreversibleDrumTypemixer/concreteBatchmixplant(Panmixer)etc.complete. With fine aggregate (Crushed sand VSI Grade), Ssr Item No.26.23, Page No. 183							
	1 To plinth							
		2	14.21	0.23	0.100	0.654		
		2	17.14	0.23	0.100	0.788		
						1.442	7190	10368.699
						Cum		
12	Filling in plinth and floors with contractors approved material/sand or murum in 15 to 20 CM layer including watering and compaction complete.Ssr Item No							
	Floor bed							
		1	14.21	17.60	0.60	150.058		
						150.058	599.00	89884.50
						Cum		
13	Providinginternalcementplaster12mmthickinsinglecoatincementmortar1:5withoutneerufinishetoconcreteorbricksurfaces,inallpositionsincludingcaffoldingandcuringetc.c complete.Ssr Item No. 32.03, Page No. 205							
		2	13.75		4.50	123.750		
		2	17.14		4.50	154.260		
						278.010	271	75340.71
						Sqm		

Sr. No	PARTICULARS	Nos	L(M)	B(M)	H/D(M)	QTY(Cum)	RATE	AMOUNT
14	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15mm thick in cement mortar 1:4 using water proofing 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 8mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc. complete. Ssr Item No. 32.11, Page No. 205							
		2	9.00		4.50	81.00		
		2	17.11		4.50	153.99		
						234.99	639	150158.61
						Sqm		
15	Providing and fixing in position TMT- FE500 bar reinforcement of various diameters for R.C.C. pillars, 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. Ssr Item No. 26.33, Page No. 186							
	Footing	18.23	290.0			5285.250		
	Column	20.11	290.0			5830.740		
	Beam	10.97	290.0			3182.591		
						14298.6		
						14,299	89703	1282625.57
						Mt		
17	Providing and laying cement concrete flooring 50mm thick 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. Ssr Item No.33.16 , Page No. 210							
		1	9.00	17.11		153.990	483.00	74377.17
						Sqm.		
19	Providing and applying two coats of water proof cement paint of approved manufacture and of approved colour to the plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete. Ssr Item No. 35.13, Page No. 220							
						513.00	79.00	40527.00
						Sqm.		

Sr. No	PARTICULARS	Nos	L(M)	B(M)	H/D(M)	QTY(Cum)	RATE	AMOUNT
21	Providing and fixing rollings shutter fabricated from steel lath 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) (Without mechanical gear. Ssr Item No.39.24 Page. No. 242							
		1	3.35		3.00	10.050	4829.0	48531.45
						Sqm		
22	Providing structural steel work in trusses, purlins and members with all bracing, gusset plates etc. as per detail drawing 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 two coat of oil painting of approved quality and shade complete. Ssr item no.							
	Truss	14	@	481		6734		
	Purlins	12	@	160		1920		
						8654.0		
						8.654	119459	1033798.19
						M.T.		
23	Providing and fixing 22B.W.G. plain galvanized iron sheets on top of weather shed, including scaffolding, fixing by means of nut and bolts or as directed etc. complete. (Bracket of 70 x 45 mm to be paid separately) SSR Item No.39.88, Page No. 256							
		1	9.00	17.11		153.990		
						153.99	1052.0	161997.48
						Sqm		
24	Providing and fixing valley gutter of 22B.W.G.(0.8mm) plain galvanized iron sheets 90cm wide with teak wood planking 20mm thick including two coats of coal tar on the upper surface of plank etc. complete. (excluding painting to underside of plank). SSR Item No. 38.09 Page No. 228							
		1	17.11			17.110	2218.0	37949.98
						Rmt.		
						Total	Rs.	4314744.64
	Add 13% for Electrification						Rs.	560916.80
	Add 18% for GST						Rs.	776654.04

Sr. No	PARTICULARS	Nos	L(M)	B(M)	H/D(M)	QTY(Cum)	RATE	AMOUNT
								4875661.4
						Say	Rs.	48,75,000/-
<u>(Rs. Forty Eight Lac Seventy Five Thousand Only)</u>								
<u>NOTE - Material Testing Charges, Transportation & GST are including in the estimate value.</u>								