

DRAWING FOR  
SHIVTEJ SHETKARI PROD. COMPANY LTD LTD.GAT NO-436/4 A/P-URUN ISLAMPUR TAL.  
WALWA, DIST. SANGLI.

ABSTRACT SHEET

PARTICULARS	AMOUNT IN RS.	FINAL
<b>SUB WORK I :-PROPOSED NEW CONSTRUCTON WORK OF PACK HOUSE CAPACITY FOR SHIVTEJ SHIETKARI PROD. COMPANY LTD LTD.GAT NO- 436/4</b>		
	Rs	1474168.54
<b>SUBWORK II :- Royalty Charges</b>		
	Rs	<u>19179.00</u>
	<b>Total</b>	<b>Rs 1493348</b>
Add 3% Contingency	0%	0
Add 3% electricity	0%	0
	<b>Total</b>	<b>Rs 1493348</b>
Add 18% GST	0%	Rs 0.00
Add 1% Labour Insuran	0%	0
	<b>Total</b>	<b>Rs 1493348</b>
	<b>Grand total Rs.</b>	<b>1493348</b>

*S.S. Galkwad*  
**Er. Shridhar S. Galkwad**  
**B. E. (Civil Engineering)**

Prepared by

Checked by



DRAWING FOR  
SHIVTEJ SHETKARI PROD. COMPANY LTD LTD.GAT NO-436/4 A/P-URUN ISLAMPUR TAL. WALWA, DIST. SANGLI.

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Royalty Charges Statements

Sr. No	Particular	Requar Quantity in Cum	Requar Quantity In Brass	Royalt y Charg es @ Rs 400 / Brass	Remarks
1		3	4	5	
			2.83	400	
1	SAND	23.09	8.16	3263.60	
2	METAL Hand broken	0	0.00	0.00	
3	MURUM	92.20	32.58	13031.80	
4	RUBBLE	20.40	7.21	2883.39	
	Total Amount Rs.				
					19178.80

Say Rs. 19179.00

Jr. Engineer

Sectional Engineer

SHIVTEJ SHETKARI PROD. COMPANY LTD LTD.GAT NO-436/4 A/P-URUN ISLAMPUR TAL. WALWA, DIST. SANGLI.

LEADS & RATES OF MATERIALS

BASED ON STATE SSR 2020-2021

S.N.	MATERIAL & LOCATION	UNIT	Lead In KM	Actual lead	LEAD D/F.	Payload	NET	Rate /unit
				5	6	Factor	8	9
1	SAND	CU M	45	641.85	641.85	1.00	641.85	641.85
2	CRUSHED METAL UPTO 40 MM	CU M	10	281.03	281.03	1.00	281.03	281.03
3	METAL ABOVE 40 MM	CU M	10	269.32	269.32	1.00	269.32	269.32
4	RUBBLE	CU M	10	343.81	343.81	1.00	343.81	343.81
5	BRICKS	1000 NOS	10	372.08	372.08	1.00	372.08	372.08
6	HARD MURUM	CU M	5	210.71	210.71	1.00	210.71	210.71
7	SOFT MURUM	CU M	5	210.71	210.71	1.00	210.71	210.71
8	ROYALTY CHARGES	CU M	1	141.34		1.00	0.00	0.00

Sectional Engineer

Jr.Engineer  
S. S. Gaikwad

**Er. Shridhar S. Gaikwad**  
**B. E. (Civil Engineering)**

1	C.C. 1:3 for Foundation & bedding	SAND	0.47	641.85	301.67
		METAL	0.94	281.03	264.17
2	P & C U.C.R masonry	SAND	0.35	641.85	224.65
		RUBBLE	1.16	343.81	398.82
3	P & C B.B. masonry in plinth & S.S	SAND	0.32	641.85	205.39
		BRICKS	0.475	372.08	176.72
4	P & L H.C.C. (M-20) 1:1.5:3	SAND	0.425	641.85	272.79
		METAL	0.85	281.03	238.88
4.A	P & L R.C.C. 1:2:4	SAND	0.425	641.85	272.79
		METAL	0.85	281.03	238.88
5	P & A 12 mm tk plaster	SAND	0.015	641.85	9.63
6	P & A 20 mm tk plaster	SAND	0.025	641.85	16.05
7	P & F polished shalabud for sills & dado	SAND	0.022	641.85	14.12
8	P & C half brick wall	sand	0.024	641.85	21.82
		Bricks	0.12	372.08	44.65
9	P & a flush pointing in cm.1:3 for stone masonry	sand	0.003	641.85	1.93
10	M.S.Channel	K.G			0.00
11	Wind tie 1.90 kg/mtr	KWT			0.00
12	M.S.angle sill 4.68 kg/mtr.	KWT			0.00
13	M.S.ladder 18.40 kg/mtr.	KWT			0.00
14	V1 & V2 venis 43.33 kg/m2.	S.O.M			0.00
15	P & L R. C. C. M30	SAND	6.418	641.85	4118.00
		METAL	6.85	641.85	4398.00

The centre falls under sugarcane area /corporation/Tribble	Building	Road
Hence percentage required to be added will be percentage	5.00%	0.00%
Municipal Council Area	4.00%	10.80%
TOTAL	9.00%	10.80%
Dedu for SCADA	-4.00%	5.00%

SUB WORK 1 : -PROPOSED NEW CONSTRUCTION WORK OF PACK HOUSE CAPACITY FOR SHIVTEJ SHETKARI PROD. COMPANY LTD LTD.GAT NO-436/4

BASED ON STATE SSR 2020-2021

S.N.	DESCRIPTION OF ITEM	QUANTITY	UNIT	LN./P.N	BASIC RATE	Dedn Scada -0.08	LEAD CHARGES			LIFTS & RA	TOTAL OF RATE 6 TO 11	ADD % for Area 0.050	TOTAL OF RATE 12 TO 13	AMOUNT
							SAND	METAL	Royalty					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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.) By Mechanical Means....(Ino21-02, PgnO 197) (STATE SSR ) Item Spec: (BdA.1 Page No.259)	92.00	Cum	21.02/197	157.00						157.00	7.85	164.85	15156.00
2	Providing and laying Cast In situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including balling 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 micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand/ Crushed sand VSI Grade finely washed etc)....(Ino24-01, PgnO 225) ( STATE SSR ) Item Spec: (Bd. E. 1 Page No.287)	3.00	Cum	24.01/228	4766.00	-391.28	272.79	238.88			4896.38	244.82	5141.20	15424.00

**SUB WORK 1 : -PROPOSED NEW CONSTRUCTION WORK OF PACK HOUSE CAPACITY FOR SHIVTEJ SHETKARI PROD. COMPANY LTD**

LTD.GAT NO-436/4  
BASED ON STATE SSR 2020-2021

1	2	3	4	5	6	7	LEAD CHARGES			11	TOTAL OF		13	14	15
							8	9	10		RA	6 TO 11			
DESCRIPTION OF ITEM	QUANTITY	UNIT	LN/P.N	BASIC RATE	Dedn Scada -0.08	SAND	METAL	Royalty	LIFTS & RA	TOTAL OF RATE 6 TO 11	ADD % for Area 0.050	TOTAL OF RATE 12 TO 13	AMOUNT		
4	Providing and laying Cast 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 balling out water, Steel centering, formwork, cover blocks laying/pumping, 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 with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade	10.18	Cum	28.11/230	6704.00	-456.32	272.79	238.88		5759.34	287.97	6047.31	61556.00		
5	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 compaction and 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 (Natural Sand / Crushed sand VSI Grade finely washed etc)	3.88	Cum	28.31/232	11282.00	-800.16	272.79	238.88		10863.50	543.18	11406.68	44349.00		
6	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 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 (Natural Sand / Crushed sand VSI Grade finely washed etc).... (HNo25-50, PqNo 234) (STATE	1.58	Cum	28.50/234	9908.00	-792.64	272.79	238.88		9627.02	481.35	10108.37	15944.00		

Sub Work 1 : PROPOSED NEW CONSTRUCTION WORK OF PACK HOUSE CAPACITY FOR SHIVTEJ SHETKARI PROD. COMPANY LTD LTD.GAT NO-436/4  
 BASED ON STATE SSR 2020-2021

1	2	3	4	5	6	7	LEAD CHARGES				11	12	13	14	15
							Scada	SAND	METAL	Royalty					
DESCRIPTION OF ITEM	QUANTITY	UNIT	LN/P/N	BASIC RATE	Scada	SAND	METAL	Royalty	LIETS & RA	TOTAL OF RATE	ADD % for Area	TOTAL OF RATE	AMOUNT		
7	Providing and fixing colour coated Zincalume (R) AZ150 (min) 50gms/sq.mt. (total one each side) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45mm Base Metal Thickness (BMT) (0.6mm CT). Hi-strength steel with min. 550MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55% aluminium 43.4% zinc, 1.5% silicon) with COLORBOND (R) steel quality, superdurable polyester paint coat (with inorganic pigment). The paint shall have total coating thickness of nominal 35um, comprising of nominal 25 um exterior coat on top surface and nominal 10um reverse coat on back surface. Profile sheets shall have nominal 1060mm effective cover width and nominal 125-30mm deep ribs with a width of nominal 125-260mm center-to-center. (weight of profile 4.52Kilogram/Square Metre)	233.20	SQM	38.34/173	1095.00	-87.50	272.79	238.88		1519.06	76.95	1595.01	371956.00		
8	Providing and fixing in position TMT - FE - 600 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams, columns, canopies, staircase, newels, chajjas, lintels, parapets, 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 ..... (No:28-33, PgNo 245) (STATE SSR   Item Spec: B.D. A.11 Page No. 283)	1.54	MT	26.33/245	72000.00					72000.00	3800.00	75600.00	116424.00		
9	Providing second class Burnt Brick masonry with conventional/ 1.5" type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including balling out water manually, striking joints on unexposed faces, raking out joints on exposed faces and watering etc.	10.00	Cum	27.01/254	6820.00					6820.00	281.00	6111.00	61110.00		
11	Filling in plinth and floors with contractors material brought from outside and approved by Engineer incharge in layers of 15cm, to 20cm, including watering and compaction etc. complete.....(No:21-37, PgNo 201) (STATE SSR   Item Spec. (Bd. A.11 Page No. 283))	92.20	Cum	21.37/201	440.00					440.00	22.00	462.00	42596.00		
12	Providing soiling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. Complete	27.00	CUM	21.40/201	1065.00					1065.00	62.75	1107.75	29909.00		

**SUB WORK 1 :- PROPOSED NEW CONSTRUCTION WORK OF PACK HOUSE CAPACITY FOR SHIVTEJ SHETKARI PROD. COMPANY LTD. LTD.GAT NO-436/4**  
BASED ON STATE SSR 2020-2021

Sl. No.	DESCRIPTION OF ITEM	QUANTITY	UNIT	LN/P/N	BASIC RATE	Dedn Scada -0.08	LEAD CHARGES			LIFTS & RA	TOTAL OF RATE 6 TO 11	ADD % for Area 0.050	TOTAL OF RATE 12 TO 13	AMOUNT
							SAND	METAL	Royalty					
18	Providing and laying in situ cement concrete M20 with territe treatment for 100 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessary refilling with bitumen etc. complete.	3												
19	Providing and fixing steel window of various sizes as per detailed drawing without hot dip zinc coating, without ventilators, including fabricating / glazing with plain / obscured glass panels of approved type and quality. Iron oxidised fixtures and fastenings, finishing with oil painting two coats complete (with guard bars 12 mm square at 10 cm c/c.)	131.71	SQM	33.30/157	1818.00						90.90	1908.90	251425.00	
20	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.16 mm thickness reinforced with 35 x 35 x 6 mm angle section fitted with sliding bolts and handles for both sides, 4" x 6" M.S. channel section of depth and thickness not less than 65 mm and 3.16 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.16 mm minimum size and shape with square bar, suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm 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	18.25	SQM	39.20/316	3551.00						177.55	3728.55	68058.00	
21	Providing and fixing structural steel work in trusses over similar trussed purlin and members with all bracing & gusset plates as per detailed design drawing directed including cutting fabricating making riveted connection & one anti corrosive paint	2.50	M T		105309.00							264772.50	264772.50	
22	Providing pre constructional anti termite treatment as per I.S.6313(part-4) by treating the bottom surface and sides of excavation at the rate of 5 litres of emulsion concentrate of 1.0percent of chlorophyflous per square meter of surface area covering 10 years guarantee on bond paper.	138.37	Square Metre		92.00							92.00	12822.04	
23	Supplying & erecting mains with 2x1.5 sq.mm. and earth wire 1.5 sq.mm. FRLSH PVC copper wire, In HMS PVC conduit min. 20mm dia. CSR 2019-20 Item No 1-e-2. Additional specification No: WG-M/APC.	10.00	RNIT		1100.00							1100.00	11000.00	

**SUB WORK 1 : -PROPOSED NEW CONSTRUCTION WORK OF PACK HOUSE CAPACITY FOR SHIVTEJ SHETKARI PROD. COMPANY LTD. LTD.CAT NO-436/4**  
 BASED ON STATE SSR 2020-2021

Sl. No.	DESCRIPTION OF ITEM	QUANTITY	UNIT	LN/P/N	BASIC RATE	Dedn Scda -0.08	LEAD CHARGES				TOTAL OF RATE 6 TO 11	ADD % for Area 0.050	TOTAL OF RATE 12 TO 13	AMOUNT
							SAND	METAL	Royalty	LIFTS & RA				
24	Supplying & erecting mains with 2x2.5 sq.mm. and earth wire 1.5 sq.mm FRLSH PVC copper wire in HMS PVC conduit min. 20mm dia,CSR 2019-20 Item No 1-6-4 Additional specification No: WG-M/APC.	3												
25	Supplying & erecting mains with 2x4 sq.mm. and earth wire 2.5 sq.mm FRLSH PVC copper wire in HMS PVC conduit min. 20mm dia,CSR 2019-20 Item No 1-6-6 Additional specification No: WG-M/APC.	10.00	RNIT		75.00								75.00	750.00
26	Supplying and erecting Ceiling rose / Batten holder / Slanting holder / hanging cord switch / hanging bell push / pendant holder bakelite base 6A. erected on filled polypropylene board or polished double wooden block/PVC junction box.CSR2019-20 Item No 1-7-7	2.00	EACH		12.00								12.00	150.00
27	Supplying and erecting hylam sheet ebonite sheet 3 mm thick for covering wall entries including cutting, drilling and fixing with nut bolts / screws etc. complete. CSR 2019-20 Item No 6-1-8	4.00	KG		520.00								520.00	2400.00
28	Supplying and erecting triple pole and neutral distribution board (TPNDB) surface/ flush mounted suitable for SPMCB of 12 ways on Iron/ GI/frame (horizontal busbar type) CSR2019-20 Item No 6-4-1 Additional specification no. SW-SWR/MCDB	2.00	EACH		1200.00								1200.00	2400.00
29	Supplying, erecting & marking FPMCB 40A to 63A in provided distribution board. CSR 2019-20 Item No 6-3-17 Additional specification No. SW-	1.00	EACH		2200.00								2200.00	2200.00
30	Supplying, erecting & marking DPNCB 6 A to 32 A B- series (for lighting) in provided distribution board. CSR 2019-20 Item No 6-3-7 Additional specification No. SWSWR/ MCB	1.00	EACH		440.00								440.00	440.00
31	Supplying & erecting conventional spike Providing earthing with galvanized iron earth plate size 60 x 60 x 0.6 cm with funnel with a wire mesh for watering and brick masonry block G.I. cover complete with all materials, testing & recording the results. CSR 2019-20 Item No 9-1-3 Additional specification No. EA-EP	1.00	EACH		220.00								220.00	220.00
32	Supplying, erecting & terminating XLPE armoured cable 4 core 35 sq. mm. aluminium conductor with continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe. CSR 2019-20 Item NO 7-1-30 Additional specification No CB-	5.00	RNIT		160.00								160.00	800.00

**SUB WORK 1 : -PROPOSED NEW CONSTRUCTION WORK OF PACK HOUSE CAPACITY FOR SHIVTEJ SHETKARI PROD. COMPANY LTD**

Sl. No.	DESCRIPTION OF ITEM	QUANTITY	UNIT	LN/P.N	BASIC RATE	LEAD CHARGES				LIFTS & RA	TOTAL OF RATE 6 TO 11	ADD % for Area 12 TO 13	TOTAL OF RATE 12 TO 14	AMOUNT
						Debn Scada -0.08	SAND	METAL	Royalty					
33	Supplying and laying (Including excavation of suitable width & depth up to 90 cm) 76 mm outside dia. double wall corrugated pipes (DWG) of HDPE for enclosing cable below ground/road surface, to required depth complete, CSR 2019-20 Item No 7-6-10	3												
34	Supplying & erecting Siemens type brass cable glands for 4 core 35 sq. mm./3 core 60 sq. mm. for XLPE armoured cable, CSR 2019-20 Item No 7-7-4 Additional specification No. CB-GL	15.00	RNIT		160.00								160.00	2400.00
35	Supplying & erecting crimping type copper lugs for cable 25 sq. mm. complete, CSR 2019-20 Item No 7-9-2 Additional specification No. CB-CUCU	1.00	EACH		710.00								710.00	710.00
36	Supplying and erecting single pole and neutral distribution board (SPNDB) SPMCBs on Iron/ GI frame, CSR 2019-20 Item No 6-4-14 Additional specification No. SW-SWR/MCDB	1.00	EACH		220.00								220.00	220.00
37	Supplying and erecting LED Street light fitting suitable for above 40W to 48W lamp, including lamp, with PF > 0.95 class IP 65 and above housing of pressure die cast aluminum alloy and heat sink extruded aluminum complete, CSR 2019-20 Item No 2-6-4 Additional specification No. FGODF/FLS2.	1.00	EACH		955.00								955.00	955.00
38	Supplying and erecting Street light bracket made from 40 mm. dia 'B' class G.I. Pipe, 0.6m. in length along with pole cap of 300 mm length and 80 mm dia specification No. EG-BKTI/BPC	1.00	EACH		3000.00								3000.00	3000.00
39	erecting Air-Termination consisting of tubular copper rod of 25mm dia. 1.2 mm thick with multiple points head 1.2 mt. long ( Heavy Duty) welded or clamped to G.I. pipe pole B grade 60 mm dia/ required length with M.S. round brass plate 25 Cm diam and 10mm thick at bottom embedded in cement concrete 1:3:6 of foundation of size 45 cm diam x 45 cm Height and providing earthing with copper earth plate of size 60 x 60 x 0.3 cms with cadmium plated nut bolts to fix earthing strip buried in specially prepared earth pits 1.5 metre below ground level with 40 kg charcoal and salt with alternate layers of charcoal and salt and G.I. pipe 40mm dia 2 meter length buried in earthen upto earthing plate remaining portion above ground level for watering and refilling compete Note- Copper strip from lightning conductor is not considered in this item. CSR 2020-21 Item No 44.18 Additional Spec No:BDW 1 PAGE No 681	1.00	NOS		3000.00								3000.00	3000.00
40	Providing and fixing copper strip 25mm wide and 3mm thick for lightning conductor including fixing with screws required scaffolding etc.complete Note- Lightning conductor and earthinf pits is not considered in this item. CSR 2020-21 Item No 44.19 Additional Spec No :BDW 1 Page No 681 & As directed by Engineer In Charge	1.00	RNIT		300.00								300.00	300.00

SUB WORK 1 :- PROPOSED NEW CONSTRUCTION WORK OF PACK HOUSE CAPACITY FOR SHIVTEJ SHETKARI PROD. COMPANY LTD LTD.GAT NO.436/4  
 BASED ON STATE SSR 2020-2021

LN.	DESCRIPTION OF ITEM	QUANTITY	UNIT	LN./P.N	BASIC RATE	Dedn Scada	LEAD CHARGES				TOTAL OF RATE	ADD % for Area	TOTAL OF RATE	AMOUNT
							SAND	METAL	Royalty	LIFTS & RA				
41	providing wind operated turbo S.S ventilator system (24 inch dia) over existing roof including cutting of sheets proper fixing in position to true line & level with all fixtures & fastening providing 0.8 mm thick FRP sheets for covering area between roof & fan so as to provide waterproof joints with approved water proofing compound making good the roof surface including cleaning D.S.R 304/123	3.00	NOS		1200.00	-0.08						0.050	1200.00	3600.00
<b>TOTAL RS</b>													<b>1474168.54</b>	

847.71

31849.00

*S.S. Galkwad*  
**Er. Shridhar S. Galkwad**  
**B. E. (Civil Engineering)**

DRAWING FOR  
SHIVTEJ SHETKARI PROD. COMPANY LTD LTD.GAT NO-436/4 A/P-URUN ISLAMPUR TAL.  
WALWA, DIST. SANGLI.

MEASUREMENT SHEET

SUB WORK 1: -PROPOSED NEW CONSTRUCTION WORK OF PACK HOUSE CAPACITY FOR  
SHIVTEJ SHETKARI PROD. COMPANY LTD LTD.GAT NO-436/4

Item Nos	Description of Items	NO.S	LENGTH	BREDT H	DEPTH /	HIGHT	TOTAL	Unit
							QUANTITY	

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.) By Mechanical Means....(INo21-02, PgNo 197) (STATE SSR ) Item Spec: (Bd.A.1 Page No. 259) C.um

COLUMN FOOTNGS	1	X	12	X	1.5	X	1.60	X	2.53	=	72.86		
BEAMS	1	X	2	X	9.6	X	1.00	X	0.40	=	7.68		
	1	X	2	X	13.72	X	1.00	X	0.40	=	10.98		
											<b>Total</b>	<b>= 91.52</b>	
											<b>SAY</b>	<b>= 92.00</b>	C.um

2 Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granitel quartzitel 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 cunnng complete, 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 (Natural Sand / Crushed sand VSI Grade finely washed etc)....(INo24-01, PgNo 226) ( STATE SSR ) Item Spec: (Bd. E. 1 Page No. 287) C.um

COLUMN FOOTNGS	1	X	12	X	1.5	X	1.60	X	0.10	=	2.88	
BEAMS												

**TOTAL** = 2.88  
**SAY** = 3.00 C.um

4 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzitel/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, gnllage and footings of R C C. columns and steel stanchions etc. including bailing out water, Steel centering, formwork ,cover blocks, laying/pumping, 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 with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) C.um

COLUMNS FOOTNGS	1	X	12	X	1.3	X	1.5	X	0.45	=	10.18	
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**TOTAL** = 10.18  
**SAY** = 10.18 C.um

5 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzitel/ gneiss metal for R.C.C. columns as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks compacting and 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 (Natural Sand / Crushed sand VSI Grade finely washed etc) C.um

column	1	X	12	X	0.3	X	0.45	X	2.40	=	3.89	
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**TOTAL** = 3.89  
**SAY** = 3.89 C.um

6 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite /quartzitel/ 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, compactionand 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 (Natural Sand / Crushed sand VSI Grade finely washed etc).... (INo25-50, PgNo 234) (STATE SSR ) Item Spec: (Bd.F.6 Page No. 300 and B.7, Page No.38) C.um

BEAMS AT GL	1	X	1	X	15.24	X	0.23	X	0.45	=	1.58	
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1 X 2 X 15.24 X 0.23 X 0.45 = 3.15  
 TOTAL = 1.58  
 SAY = 1.58 C.um

7 Providing and fixing colour coated Zinalume (R) AZ150 (min150gms/sq.mt. total one ach side) profiled sheets SQM forroofing. The feed material is manufactured out of nominal 0.45mm Base Metal Thickness (BMT) (0.5mmTCT) ,Hi-strength steel with min.550MPa yield strength,metallic hot dipcoated with Aluminium-Zincalloy(55% aluminium 43.4% zinc1.6% silicon) with COLORBOND (R) steel quality superdurable polyester paint coat (with inorganic pigment).The paint shall have atotal coating thickness of nominal 35um, comprising of nominal 25 um exterior coat on top surface and nominal 10um reverse coat on back surface.Profile sheets hall havenom.950-1050mmeffectivecoverwidthandnominal25-30mmdeepribswithsubtlesquareflutinginthe fivepanatnominal180-250mmcenter-to-center..(weightofprofile4.52Kilogram/Square Metre)

GROUND FLOOR  
 1 X 2 X 13.72 X 5.00 X 1.00 = 137.20  
 1 X 2 X 9.6 X 5.00 X 1.00 = 96.00  
 TOTAL = 233.20  
 SAY = 233.20 SQM

8 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, linteis pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules, including cutting, bending, hooking the bass, binding with wires or tack welding and supporting as required complete ..... (INo26-33, PgNo 245) (STATE SSR ) Item Spec: (Bd.F.17, Page No. 306)

TOTAL = 1540.00 Kg  
 SAY = 1.540 MT

9 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. Cum

1 X 2 X 13.72 X 0.23 X 0.91 = 5.74  
 1 X 2 X 9.6 X 0.23 X 0.91 = 4.02

Total = 9.76  
 SAY = 10.00 Cum

11 Filling in plinth and floors with contractors material/brought from outside and approved by Engineer C.um

1 X 1 X 9.60 X 13.72 X 0.70 = 92.20  
 TOTAL = 92.20

12 Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. Complete Sq.M

Floor Area 1 X 1 X 13.72 X 9.6 X 0.20 = 26.34  
 BELOW FOUNDATION 0 X 1 X 1.50 X 1.6 X 0.20 = 0.00

TOTAL = 26.34  
 SAY = 27.00 Sq.M

18 Providing and laying in situ cement concrete M20 with tremix treatment for100 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessary refilling with bitumen etc. complete.

1 X 1 X 13.72 X 9.60 X 1.00 = 131.71

TOTAL = 131.71

SAY = 131.71 SQM

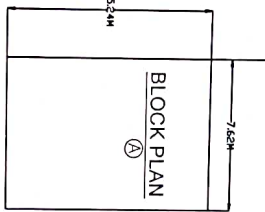
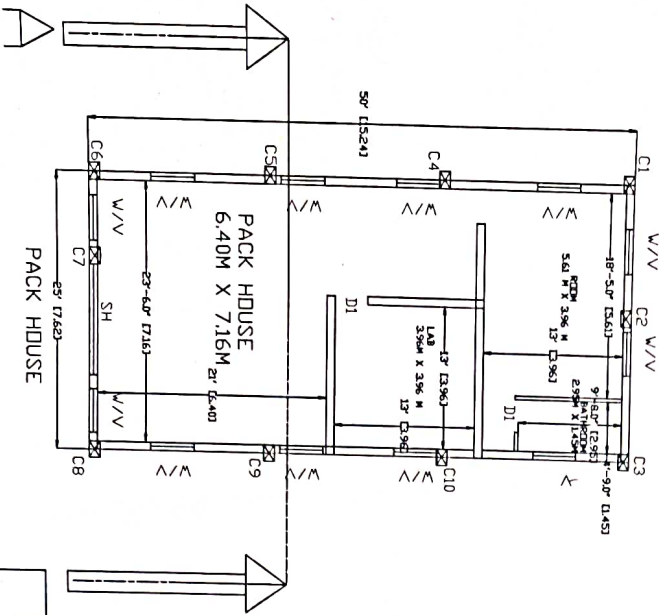
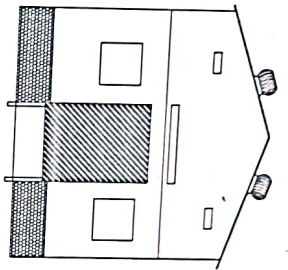
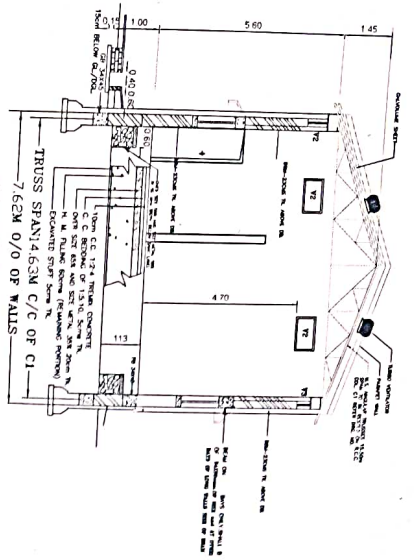
19 Providing and fixing steel window of various sizes as per detailed drawing without hot dip zinc coating, without SQM ventilators, including fabricating / glazing with plain / obscured glass panels of approved type and quality, iron oxidised fixtures and fastenings, finishing with oil painting two coats complete (with guard bars 12 mm square at 10 cm c/c.)

1	X	10	X	0.60	X	1.00	X	0.60	=	3.60	
1	X	10	X	1.21	X	1.00	X	1.21	=	14.65	
										TOTAL	18.25

20 Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm SQM

1	X	2	X	2.54	X	1.00	X	3.60	=	18.29	
1	X	0	X	2.21	X	1.00	X	3.60	=	0.00	
1	X	0	X	2.74	X	1.00	X	3.20	=	0.00	
										TOTAL	18.29

*S. S. Galkwad*  
**Er. Shridhar S. Galkwad**  
**B. E. (Civil Engineering)**



**SCHEDULE OF DOORS & WINDOWS**

TYPE	SIZE	NO.	DESCRIPTION
SH	2.5 X 3.6	1	SHUTTER
W	1.21 X 1.21	11	ALUMINIUM WINDOW
V	1.21 X 0.60	12	ALLU.LOUVERD WINDOW
D1	0.91 X 2.13	2	ALLU.LOUVERD WINDOW
TURBO VENTILATOR - 6			

**BUILT UP AREA CALCULATIONS**

BUILDING SIZE SQ. M.

MAIN BUILDING (A)

15.24M X 7.62 M = 116.12

PLATFORMS : (B)

=

TOTAL B / UP = 116.17 sq. m.

**CONSTRUCTION OF PACK HOUSE**

ER. SIGNATURE OWNER  
 SIGNATURE  
*5-5 Galkwad*  
**Er. Shridhar S. Galkwad**  
**B. E. (Civil Engineering)**

DRAWING AT -  
 OWNER NAME- SHIVTEJ SHETKARI  
 PROD. COMPANY LTD.  
 E. SHRIDHAR GAIKWAD (B. E CIVIL)  
 A/P- AITWADE BK. (Sr.No., B-20: 16502)