

FRONT ELEVATION
(SCALE 1:100)




GROUND FLOOR PLAN
(SCALE 1:100)

[Handwritten signature]

Amar S. Patil B.E. (CIVIL)
Engineers & Contractors
Male, Tal. Hatkanangle,
Dist Kolhapur
S. PATIL
[B.E. CIVIL.]
ENGINEER'S & CONTRACTOR

PROPOSED CASHW PROCESSING UNIT FOR
ORG AGRO FARMER PRODUCER CO.LTD.
AT-KUDANUR , TAL-CHANDGAD ,
DIST-KOLHAPUR , GAT NO-209 ,416608

DATE	SCALE	DRG. NO.
	1:100	1
 NORTH		
ABHIJIT PATEL <small>(P. CIVIL & Interior Designer.)</small> DRAWN BY.		

SIGNATURE OWNER'S

SIGNATURE OF ENGINEER

AT POST - MALE

Name of work:-				
CONSTRUCTION OF CASHEW PROCESSING PLANT FOR DRG AGRO FARMERS PRODUCER CO. LTD.				
AT- KUDANUR, TAL- CHANDBAD , DIST - KOLHAPUR				
ON GAT NO.209 , 416608				
RECAPULATION SHEE				
1)	Sub Work- No. 1 Building Work		:-	5151673.73
2)	Add for Elecrtification Charges	1%	:-	51516.7373
			Total :-	5203190.47
3)	Add GST	12 %	:-	624382.86
			Grand Total :-	5827573.32
			Say Rs. :-	5827500
Amount in word - Fifty eight lac twenty seven thousand five hundred rupees only/-				



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Male, Tal. Hatkanangale
Dist Kolhapur

Name of work:-

CONSTRUCTION OF CASHEW PROCESSING PLANT FOR
ORG AGRO FARMERS PRODUCER COMPANY LTD.
AT/POST- KADANUR ,TAL-CHANDGAD ,DIST-KOLHAPUR
ON GAT NO.209 , 416608

ABSTRACT

Sr.No.	Quantity	Description	Rate	Unit	Amount
		ITEM NO : 1			
1	210.000	Excavation for foundation in earth, soils of all types sand, gravel and soft murum including removing the excavated material upto 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 1.50 Metre)	238.78	Cum	50143.80
		ITEM NO : 2			
2	65.000	Excavation for foundation in hard murum, Including removing the excavated material upto a distance of 50m. 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 structing etc.complete (LIFT UPTO 1.5M)	363.50	Cum	23627.50
		ITEM NO : 3			
3	55.000	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit ramming, watering complete. Spec. No.: As directed by Engineer in charge.	1130.00	Cum	62150.00
		ITEM NO : 4			
4	18.000	Providing and laying in situ cement concrete in M: 10 of trap metal for foundation and bedding including bailing out water, form work, compacting, finishing if required and curing etc. complete.	6541.87	Cum	117753.66
		ITEM NO : 5			
5	76.000	Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls including bailing out water, striking joints on un exposed faces and watering complete. Spec. No.: Bd.H.1 Page No. 329	6235.60	Cum	473905.60
		ITEM NO : 6			
6	72.000	Providing and laying in situ cement concrete M-20 of trap metal for reinforced cement concrete work like raft, grillages, strip foundation and footing of reinforcement cement concrete columns and steel stanction including bailing out water, formwork, compaction curing and roughening the surface if special finish is to be provided. (Excluding steel reinforcement& strutcural steel) complete.	8073.12	Cum	581264.64
		ITEM NO : 7			
7	21.000	Providing and casting in situ cement concrete M-20 of trap metal for R.C.C. pedastal columns as per detailed designs and drawing or as directed including centering, formwork, cover blocks compacting and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement). With natural sand.	14205.78	Cum	298321.38

ABSTRACT

Sr.No.	Quantity	Description	Rate	Unit	Amount
		ITEM NO : 8			
8	55.000	Providing & casting in situ cement concrete M-20 of trap/ granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs & drawings or as directed including centering, formwork, cover blocks compaction & roughening the surface if special finish is to be provided & curing complete. (Excluding reinforcement). With natural sand.	8913.95	Cum	490267.25
		ITEM NO : 9			
9	2.600	Providing and casting in situ cement concrete M-20 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings canopy, waist slab with steps as per detailed designs and drawings including centering, formwork, cover blocks compaction and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement). With natural sand.	12960.38	Cum	33696.99
		ITEM NO : 10			
10	1.150	Providing and casting in situ cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. parti/ 75mm thick fins including centering, formwork, cover blocks compaction and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement). With natural sand	12765.02	Cum	14679.77
		ITEM NO : 11			
11	2.781	Providing and fixing in position H.Y.S.D./T.M.T. bar reinforcement of various diameters for reinforced cement concrete pile caps, footings, foundations, slabs, beams, columns, canopies, stair case, newels, chajjas, lintels, partds, 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.	66780.00	M.T.	185715.18
		ITEM NO : 12			
12	773.000	Filling in plinth and floors with contractors soil sand or murum in 15cm to 20cm layers including watering and compaction complete.	170.00	Cum	131410.00
		ITEM NO : 13			
13	32.890	Providing and casting in situ cement concrete M-15 of trap / granite / quartzite / gneiss metal for steps including centering, formwork, compacting, roughening them if special finish is to be provided and curing and finishing if required complete with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer .. With Cushed sand. Spec. No.: Bd.E.2 Page No. 288 and B.7 Page	6620.39	Cum	217744.63
		ITEM NO : 14			
14	18.900	Providing fly ash brick masonry with conventional / I.S. type fly ash brick in cement mortar 1:6 including striking joints, racking out joints watering and scaffolding complete. For foundation & plinth Spec. No.: As directed by engineer incharge and BDG- 2 & 5	6775.04	Cum	128048.26

ABSTRACT

Sr.No.	Quantity	Description	Rate	Unit	Amount
15	67,000	ITEM NO : 15 Providing fly ash brick masonry with conventional / I.S. type fly ash brick in cement mortar 1:6 including striking joints, racking out joints watering and scaffolding complete. For superstructure. Spec. No.: As directed by engineer incharge and BDG- 2 & 5	7930.28	Cum	531328.76
		ITEM NO : 16			
16	240,000	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 complete. Spec. No.: Bd.L.4 Page No.368	678.30	Sqm	162792.00
		ITEM NO : 17			
17	310,000	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 kg 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 grains and curing for fourteen days scaffolding etc.complete. Spec. No.: Bd.L.7 Page No.369	803.80	Sqm	249178.00
		ITEM NO : 18			
18	20,000	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 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 etc. complete. (I.S. 6248-1979) (Without mechanical gear) Spec. No.: Bd.T.55, Page No.510	2130.40	Sqm	42608.00
		ITEM NO : 19			
19	30,500	Providing and fixing mild steel grill work for windows, ventilators etc. 20 kg/sq.m. as per drawing including fixtures, necessary welding & painting with one coats of anticorrosive paint & two coats of oil painting complete. Spec. No.: Bd.U.1 Page No.537	2230.00	Sqm	68015.00
		ITEM NO : 20			
20	20,500	Providing and fixing fly proof mesh shutter to ventilator/window using Ghana TW members of size 45 x 22 mm for frame work and 35 x 22 mm for middle support and fixing fly proof mesh on it and covering Ghana TW battens of size 20 x 10 mm including priming and two coats of oil painting to the new wood and steel work and all labour charges including all fixture and fastenings etc. complete. Spec. No.: As directed by Engineer in charge.	2960.00	Sqm	60680.00


ABSTRACT

Sr.No.	Quantity	Description	Rate	Unit	Amount
21	35,600	Providing and fixing 22 B.W.G. plain FRP sheets on top of weather shed including scaffolding, fixing by means of nut and bolts ITEM NO : 21	2280.00	Sqm	81168.00
22	6,800	Providing structural steel work in trusses, 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 complete, Spec. No.: Bd.C.8 Page No. 278 ITEM NO : 22	97650.00	M.T.	664020.00
23	400,000	Providing and fixing colour coated Zincalume (R) AZ150 (min 150 gms/sq.mt total on each side) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45mm Base Metal Thickness (BMT) (0.5mm TCT), Hi-strength steel with min.550 MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55% aluminium 43.4% zinc 1.6% silicon) with COLORBOND (R) steel quality super durable polyester paint coat (with inorganic pigment). The paint shall have a total coating thickness of nominal 35 um, comprising of nominal 25 um exterior coat on top surface and nominal 10 um reverse coat on back surface. Profile sheet shall have nom. 950-1050 mm effective cover width and nominal 25-30 mm deep ribs with subtle square fluting in the five pan at nominal 180-250 mm center-to-center. The end rib shall be designed for anti-capillary groove. & return leg. The feed material should have coil manufacturers product details marked at regular interval, including fasteners with min. fastened with min. 25 um Zinc-Tin alloy coated, Hex head, self-drilling screw etc. complete. (weight of profile 4.52 kg/sqm) Spec. No.: As directed by Engineer in charge. ITEM NO : 23	743.00	Sqm	297200.00
25	6,000	Providing and fixing wind operated turbo ventilator system (24 inch dia) over existing roof including cutting of sheet, best quality bearing, proper fixing in position ITEM NO : 25	9050.00	No.	54300.00

ABSTRACT

Sr.No.	Quantity	Description	Rate	Unit	Amount
26	712.950	ITEM NO : 26 Providing and applying white-wash in one coat on old / new plastered or masonry surfaces and asbestos cement sheets including scaffolding and preparing the surface by brushing & brooming down complete. Spec. No.: Bd.P.1 Page No. 411	10.40	Sqm	7414.88
		ITEM NO : 27 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 complete. Spec. No.: Bd.0.8 Page No. 406	66.00	Sqm	24911.70
27	377.450				
		ITEM NO : 28 Providing and applying one coat of flat oil paint of approved colour to the old structural steel work and iron work previously painted in building including scaffolding, if necessary, cleaning and preparing surface(excluding primer coat) complete. Spec. No.: Bd.0.6 Page No. 406	43.50	Sqm	624.23
28	14.350				
		ITEM NO : 29 conveying the unuseful materials obtain from excavation outside the complex	15.65	Cum	2269.25
29	145.000				
		ITEM NO : 30 Providing preconstructional antitermite treatment as per I.S. 6313 (Part-I) by treating the top surface of plinth filling at the rate of 5 litres of emulsion concentrate at 1.0 percent of atrophyrifos per square metre of surface area covering ten years guarantee. Spec. No.: As directed by Engineer in charge.	79.00	Sqm	54158.45
30	665.550				
		ITEM NO : 31 Providing Quality Control Tests A) Concrete Cube Compressive strength B) Specific Gravity, Setting Time, Compressive Strength, Soundness C)Fineness Modulus,Silt & Clay Content D)Brick Water Absorption,Compressive Strength,Efflorescence E) Concrete Mix Design.	600.00 3600.00 1200.00 2200.00 15500.00	No. No. No. No. No.	600.00 3600.00 1200.00 2200.00 15500.00
31	1.000				
		ITEM NO : 32 Royalty Charges	141.34	Cum	19177.01
32	1.35.68				
		TOTAL			5151673.73
		Say Rs.			5151674

Amount in word - fifty one lack fifty one thousand six hundred seventy four rupees only



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