

Estimate

DETAILED ESTIMATE

NAME OF WORK:

Construction of Processing Unit Building for Panchadhanajay Farmer Producer Company Ltd. At Gat No. 86/2 Sheri Tal. Dharangaon Dist- Jalgaon

Estimated Cost : 2025000.00


Ajay S. Patil
Consulting Civil Engineer
Reg.No. -NSK/JDI57PAE

Construction of Processing Unit Building for Panchadhanajay Farmer Producer Company Ltd. At Gat No. 86/2 Sheri Tal. Dharangaon Dist- Jalgaon

RECAPITULATION SHEET

Cost of Work Portion	Rs. 1721206.55
Electrification	Rs. 31480.26
Add Royalty Charges	Rs. 31964.73
Add Testing Charges	Rs. 7485.00
<hr/>	
Tender Cost Rs. 1792136.55	
Add 12% GST	Rs. 215056.39
Add 1% Labour Insurance	Rs. 17921.37
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Total Cost Rs. 2025114.30	
Say Rs. 2025000.00	

Construction of Processing Unit Building for Panchadhanajay Farmer Producer Company Ltd. At Gat No. 86/2 Sheri Tal. Dharangaon Dist- Jalgaon

ABSTRACT (Civil Work)

Quantity	Item Of Work	Rate	Unit	Amount
61.29 Cubic Metre	<p>Item No. 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.) By Mechanical Means</p> <p>DSR Page No./ Item No.21.02</p> <p>Spec. No. : Bd.A.1 Page No. 259 Page No. BDA 1</p>	193.00	One Cubic Metre	11828.97
13.50 Cubic Metre	<p>Item No. 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 necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.50 m) By Mechanical Means</p> <p>DSR Page No./ Item No.21.06</p> <p>Spec. No. : Bd.A.2 Page No. 259 Page No. BDA 2</p>	578.82	One Cubic Metre	7814.07
27.00 Cubic Metre	<p>Item No. 3 :- Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete.</p> <p>DSR Page No./ Item No.21.38</p> <p>Spec. No. : Bd.A.12 Page No. 264 Page No. BDA 12</p>	1294.00	One Cubic Metre	34938.00
11.07 Cumt	<p>Item No. 4 :- Providing and laying in situ cement concrete of 1:4:8 proportion with trap/ granite/ quartzite/ gneiss metal in foundation including necessary form work, compacting and curing etc. complete. (with reversible drum rtype mixer with SCADA with natural sand)</p> <p>DSR Page No./ Item No.11.04</p> <p>Spec. No. : CD.3 Page.No. 160 Page No. CD 3B</p>	6200.72	One Cumt	68641.97
139.50 Square Metre	<p>Item No. 5 :- 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 necessary refilling with bitumen etc. complete</p> <p>DSR Page No./ Item No.33.3</p> <p>Spec. No. : As directed by Engineer in charge. Page No. BDM</p>	796.58	One Square Metre	111122.91
20.25 Cubic Metre	<p>Item No. 6 :- Providing and laying in situ 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 stanchions etc. including bailing out water, formwork, cover blocks compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. etc. complete, with fully automatic micro processor based PLC with SCADA enabled concrete batch mix plant With Natural Sand</p>	7051.92	One Cubic Metre	142801.38

Quantity	Item Of Work	Rate	Unit	Amount
2.54 Cubic Metre	<p>DSR Page No./ Item No.25.11</p> <p>Spec. No. : Bd.F.3 Page No. 298 and B.7, Page No.38 Page No. BDF 3</p> <p>Item No. 7 :- Providing and casting in situ cement concrete M20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including centering, formwork, cover blocks 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 concrete batch mix plant (pan mixer).... With natural sand.</p>	13372.92	One Cubic Metre	33974.97
9.65 Cubic Metre	<p>DSR Page No./ Item No.25.31</p> <p>Spec. No. : Bd.F.5 Page No. 300 and B.7, Page.No. 38 Page No. BDF 5</p> <p>Item No. 8 :- Providing & casting in situ cement concrete M20 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 etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled concrete batch mix plant (pan mixer).... With natural sa</p>	11868.92	One Cubic Metre	114480.15
15.63 Cubic Metre	<p>DSR Page No./ Item No.25.5</p> <p>Spec. No. : Bd.F.6 Page No. 300 and B.7, Page.No. 38 Page No. BDF 6</p> <p>Item No. 9 :- Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in foundation and plinth including bailing out water manually striking joints, racking out joints watering and scaffolding etc. complete.</p>	7281.12	One Cubic Metre	113823.13
3.60 Cubic Metre	<p>DSR Page No./ Item No.27.12</p> <p>Spec. No. : As director by engineer incharge and BDG2 & 5 Page No. BDG</p> <p>Item No. 10 :- Providing fly ash brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete</p>	7497.12	One Cubic Metre	26978.84
83.70 Cubic Metre	<p>DSR Page No./ Item No.27.13</p> <p>Spec. No. : As director by engineer incharge and BDG2 & 5 Page No. BDG</p> <p>Item No. 11 :- Filling in plinth and floors with contractors aterial/brought from outside and approved by Engineer incharge in layers of 15cm. to 20cm. including watering and compaction etc. complete. Spec. No. : Bd.A. 11/Page No. 263</p>	837.34	One Cubic Metre	70085.36
	<p>DSR Page No./ Item No.21.37</p> <p>Spec. No. : Bd.A.11 Page No. 263 Page No. BDA 11</p>			

Quantity	Item Of Work	Rate	Unit	Amount
5.45 Metric Tonne	<p>Item No. 12 :- 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 approved quality and shade etc. complete.</p> <p>DSR Page No./ Item No.23.04 Spec. No. : Bd.C.8 Page No. 278 Page No. BDC 8</p>	105909.00	One Metric Tonne	576731.35
139.50 Square Metre	<p>Item No. 13 :- 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 & bolts, lead & bitumen washers as per drawing etc. complete.(Weight of 5.5 kg/sq.m.).</p> <p>DSR Page No./ Item No.38.34 Page No. 173</p>	1095.00	One Square Metre	152752.50
1.10 Metric Tonne	<p>Item No. 14 :- 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, lintels, pardis, 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. a) For TMT Fe 415 steel bars (If Mild Steel/HYSD steel is to be used prior permission from S.E. should be taken)</p> <p>DSR Page No./ Item No.26.33 Spec. No. : Bd.F.17, Page No. 306 Page No. BDF 17</p>	71926.81	One Metric Tonne	79417.34
0.96 Square Metre	<p>Item No. 15 :- Providing and fixing steel ventilator fully glazed partly fixed as per detailed drawing with hot dip zinc coating including fabricating glazing with plain / obscured glass pans and approved type quality and iron oxidized fixtures and fastening with guard square bars 12 mm 10 cm c/c and oil painting 2 coats etc. complete.</p> <p>DSR Page No./ Item No.39.3 Spec. No. : Bd. T. 53, Page No. 509 & As directed by Engineer in charge. Page No. BDT 53</p>	4449.00	One Square Metre	4271.04
10.50 Square Metre	<p>Item No. 16 :- 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. 62481979) (Without mechanical gear)</p> <p>DSR Page No./ Item No.39.24 Spec. No. : Bd.T.55, Page No. 510 Page No. BDT 55</p>	4310.00	One Square Metre	45255.00
79.70 Square Metre	<p>Item No. 17 :- Providing internal cement plaster 20mm thick in two coats in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete</p>	395.29	One Square Metre	31506.19

Quantity	Item Of Work	Rate	Unit	Amount
111.82 Square Metre	DSR Page No./ Item No.32.06 Spec. No. : Bd.L4 Page No. 368 Page No. BDL 4 Item No. 18 :- 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.	650.72	One Square Metre	72760.91
191.52 Square Metre	DSR Page No./ Item No.32.11 Spec. No. : Bd.L7 Page No. 369 Page No. BDL 7 Item No. 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.	74.00	One Square Metre	14172.48
15.00 Running Metre	DSR Page No./ Item No.35.13 Spec. No. : Bd.0.8 Page No. 406 Page No. BDO 8 Item No. 20 :- Providing and Fixing 110 mm diameter PVC Rain Water pipe with necessary fittings such as bends, tees, single junctions, slotted vent, clamps etc complete.	502.00	One Running Metre	7530.00
5.00	DSR Page No./ Item No.42.87 Spec. No. : As directed by Engineer in charge Page No. BDV Item No. 21 :- Shooting of still photographs outdoor and indoor of construction and other works of building , bridges, roads etc. in District and outside dist. At any DSR 2016-17 Item No 1949	64.00	set	320.00
A) Work Portion Total with all Charges			Rs	1721206.55
33.84 Cum	Item No. 22 :- Add Royalty as per Government of Maharashtra Revenue and Forest Departments Order For Sand	237.37	One Cum	8033.60
110.70 Cum	Item No. 23 :- Add Royalty as per Government of Maharashtra Revenue and Forest Departments Order For Other Material	216.18	One Cum	23931.13
			Rs	31964.73
Item No. 24 :- Testing Charges for quality control tests on various materials like metal crushed metal bitumen Hard murum Soft Murum , Sand, Cement , Steel etc as per frequency norms and rates for every material in Vigilence and Quality Control Laboratory as directed by Engineer in Charge				
1.00	Compressive Strength of M-20 grade C.C. Cube	690.00	Test	690.00
2.00	Carrying out water absorption , compressive strength & Efflorescence Test of Bricks	2175	Test	4350.00
1.00	Liquid Limit & Plastic Limit H.M.	1170.00	Test	1170.00
1.00	Steel Upto 16 mm (set of 3 bars)	1275.00	Test	1275.00
			Rs	7485.00
Total Royalty + Testing Charges				39449.73

ABSTRACT Electrical

Item Of Work	Quantity	Rate	Add 5% other than Dist-Place	Total of 3+4	Unit	I.N. / P.N.	Amount
Item No. 1 :- Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 3 core 4 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	10.00	283.00	14.15	297.15	RMT	7-2-16/129	2971.50
Item No. 2 :- Making trench of suitable width and depth in hard murum /tar road for laying provided LT cable up to and including 36 sq. mm complete as per specification no. CW-EXNCTR	5.00	193.00	9.65	202.65	RMT	16-1-2/239	1013.25
Item No. 3 :- Making trench of suitable width and depth in Soft murum for laying provided LT cable up to and including 36 sq. mm complete as per specification no. CW-EXN - CTR	5.00	156.00	7.80	163.80	RMT	16-1-1/239	819.00
Item No. 4 :- Supplying erecting mains PVC unarmoured cable 1100 volt grade / ISI mark 3 core / 2.5 sqmm standard / solid copper complete erected on wall with duly painted G.I. Saddle @ 0.25 m C/C & rigidly grouted in the wall with the help of plated screws.	45.00	125.60	6.28	131.88	RMT	RA	5934.60
Item No. 5 :- Supplying erecting waether proof powder coated distribution board 4 way with 2 x 6 / 10 Amps S.P.M.C.B. with industrial two pin plug socket 10A and 3 pin plug top 10 A with top cover necessary connection etc. complete with approved make.	4.00	1290.00	64.50	1354.50	Number	RA	5418.00
Item No. 6 :- Providing point wiring for street light with PVC unarmoured cable 1100 Volt grade ISI mark 3 core 1.5 sqm standard / solid copper erected on wall with G.I. saddle duly painted @ 0.25 m C/C rigidly grouted in the wall with the help of plated screw including 4' x 4' M.S. box 2 way with epoxy painting & inside 10 amp Nylon connector strip for street light connection and flexible cable of 2 mtrs. for street light connection etc. complete as directed by engineer in charge	2.00	1223.60	61.18	1284.78	Number	RA	2569.56
Item No. 7 :- Supplying & erecting 10-12 W , 230 v integral type LED lamp suitable for B-22 / E-27 base	2.00	230.00	11.50	241.50	Number	2-10-11/42	483.00
Item No. 8 :- Supplying & erecting LED street light fitting suitable for 20 to 25 W. with PF > 0.95 class IP - 65 and above housing of pressure die cast aluminium alloy and heat sink extruded aluminium complete as per specification No. FG-ODF / FLS	2.00	2009.00	100.45	2109.45	Number	2-5-2/34	4218.90
Item No. 9 :- Supplying & erecting Street light Wall bracket made from 40 mm dia 'B' class G.I. pipe 1-2 m in total length complete as per specification no. FG-BKT / WB	2.00	712.00	35.60	747.60	Number	2-9-4/38	1495.20
Item No. 10 :- Supplying & erecting with galavanised iron earth plate size 60x60x0.6 cm complete with all materials testing & recording the results as per specifications no. EA-EP	1.00	4238.00	211.90	4449.90	Number	9-1-1/159	4449.90
Item No. 11 :- Providing Pipe type earthing with 40 mm dia G.I. pipe or 20 mm dia G.I. rod complete with all materials a per specification no EA-EP providing pipe type earthing with 40 mm dia G.I. pipe or 20 mm dia G.I. Rod complete with all materials as per specification EA-EP	1.00	1355.00	67.75	1422.75	Number	9-1-4/159	1422.75
Item No. 12 :- Supplying erecting & marking DPMCB 6A to 32A C-series (for motor/power) in provided distrubtion board as per specification no SW-SWR/MCB	1.00	488.00	24.40	512.40	Number	5-3-6/94	512.40
Item No. 13 :- Supplying erecting & making SPMCB 6A to 32A B-series (for Lighting) in provided distrubtion board as per specification no SW-SWR/MCB	1.00	164.00	8.20	172.20	Number	5-3-3/94	172.20
					Total	Rs	31480.26

Construction of Processing Unit Building for Panchadhanajay Farmer Producer Company Ltd. At Gat No. 86/2 Sheri Tal. Dharangaon Dist-
Jalgaon

MEASUREMENT. (Civil Work)

Item No. 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. (Lft upto 1.5 m.) By Mechanical Means

C1	8	x	1.50	x	1.50	x	1.50	=	27.00	CubicMetr	
C2	4	x	1.50	x	1.50	x	1.50	=	13.50		
C3	4	x	1.50	x	1.50	x	1.50	=	13.50		
C4	2	x	1.50	x	1.50	x	1.50	=	6.75		
	1	x	1.20	x	1.50	x	0.30	=	0.54	CubicMetr	
									Total Qty. =	61.29	CubicMetr

Item No. 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 necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.50 m) By Mechanical Means

C1	8	x	1.50	x	1.50	x	0.30	=	5.40	CubicMetr	
C2	4	x	1.50	x	1.50	x	0.30	=	2.70		
C3	4	x	1.50	x	1.50	x	0.30	=	2.70		
C4	4	x	1.50	x	1.50	x	0.30	=	2.70		
									Total Qty. =	13.50	CubicMetr

Item No. 3 :-

Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete.

Column Footing	C1	8	x	1.50	x	1.50	x	0.60	=	10.80	Cubic Metre
	C2	4	x	1.50	x	1.50	x	0.60	=	5.40	
	C3	4	x	1.50	x	1.50	x	0.60	=	5.40	
	C4	4	x	1.50	x	1.50	x	0.60	=	5.40	
									=	27.00	Cubic Metre

Item No. 4 :-

Providing and laying in situ cement concrete of 1:4:8 proportion with trap/ granite/ quartzite/ gneiss metal in foundation including necessary form work, compacting and curing etc. complete. (with reversible drum rtype mixer with SCADA with natural sand)

	C1	14	x	1.50	x	1.50	x	0.050	=	1.58	Cumt
	C2	4	x	1.50	x	1.50	x	0.050	=	0.45	
	C3	4	x	1.50	x	1.50	x	0.050	=	0.45	
	C4	6	x	1.50	x	1.50	x	0.050	=	0.68	
Step		1	x	1.50	x	1.65	x	0.050	=	0.12	Cumt
Bed		1	x	14.85	x	10.50	x	0.050	=	7.80	Cumt
									Total Qty. =	11.07	Cumt

Item No. 5 :-

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 necessary refilling with bitumen etc. complete

Bed		1	x	15.50	x	9.00	=	139.50	SquareMetre		
									Total Qty. =	139.50	SquareMetre

Item No. 6 :-

Providing and laying in situ 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 stanchions etc. including bailing out water, formwork, 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 micro processor based PLC with SCADA enabled concrete batch mix plant With Natural Sand

	C1	8	x	1.50	x	1.50	x	0.20	=	3.60	Cubic Metre
	C1	8	x	1.50	x	1.50	x	0.25	=	4.50	Cubic Metre
	C2	4	x	1.50	x	1.50	x	0.20	=	1.80	Cubic Metre
	C2	4	x	1.50	x	1.50	x	0.25	=	2.25	Cubic Metre
	C3	4	x	1.50	x	1.50	x	0.20	=	1.80	Cubic Metre
	C3	4	x	1.50	x	1.50	x	0.25	=	2.25	Cubic Metre
	C4	4	x	1.50	x	1.50	x	0.20	=	1.80	Cubic Metre
	C4	4	x	1.50	x	1.50	x	0.25	=	2.25	Cubic Metre
									Total Qty. =	20.25	Cubic Metre

Item No. 7 :-

Providing and casting in situ cement concrete M20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including centering, formwork, cover blocks 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 concrete batch mix plant (pan mixer).... With natural sand.

	C1	8	x	0.30	x	0.23	x	2.10	=	1.16	Cubic Metre
	C2	4	x	0.30	x	0.23	x	2.10	=	0.58	
	C3	4	x	0.34	x	0.23	x	2.10	=	0.66	
	C4	2	x	0.15	x	0.23	x	2.10	=	0.14	
									Total Qty. =	2.54	Cubic Metre

Item No. 8 :-

Providing & casting in situ cement concrete M20 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 etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled concrete batch mix plant (pan mixer).... With natural sa

GB1	6	x	1	x	3.53	x	0.30	x	0.23	=	1.46	Cubic Metre
GB1	6	x	1	x	3.53	x	0.30	x	0.23	=	1.46	Cubic Metre
PB1	6	x	1	x	3.53	x	0.23	x	0.23	=	1.12	Cubic Metre
PB2	6	x	1	x	3.53	x	0.23	x	0.23	=	1.12	Cubic Metre
LB1	6	x	1	x	3.53	x	0.23	x	0.23	=	1.12	Cubic Metre
LB1	6	x	1	x	3.53	x	0.23	x	0.23	=	1.12	Cubic Metre
SB1	6	x	1	x	3.53	x	0.23	x	0.23	=	1.12	Cubic Metre
SB1	6	x	1	x	3.53	x	0.23	x	0.23	=	1.12	Cubic Metre
									Total Qty. =	9.65	Cubic Metre	

Item No. 9 :-

Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in foundation and plinth including bailing out water manually striking joints, racking out joints watering and scaffolding etc. complete.

2	x	4	x	4.04	x	0.23	x	1.20	=	8.92	CubicMetre	
2	x	2	x	2.02	x	0.23	x	1.20	=	2.23	CubicMetre	
2	x	2	x	4.06	x	0.23	x	1.20	=	4.48	CubicMetre	
										Total Qty. =	15.63	CubicMetre

Item No. 10 :-

Providing fly ash brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete

2	x	4	x	4.04	x	0.23	x	1.20	=	8.92	CubicMetre	
2	x	2	x	4.06	x	0.23	x	1.20	=	4.48	CubicMetre	
Parapet Wall	1	x	1	x	12.00	x	0.23	x	0.60	=	1.66	
Deduct	Shutter			2.00	x	2.10	x	2.50	=	-10.50	CubicMetre	
	V1			16.00	x	0.10	x	0.60	=	-0.96	CubicMetre	
										Total Qty. =	3.60	CubicMetre

Item No. 11 :-

Filing in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15cm. to 20cm. including watering and scaffolding etc. Complete

1	x	15.50	x	9.00	x	0.60	=	83.70	Cubic Metre		
									Total Qty. =	83.70	Cubic Metre

Item No. 12 :-

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 approved quality and shade etc. complete.

Truss Member (100x100 x6mm)				15.43	x	8.20	x	4.53	=	573.31					
Purlin				5.65	x	4.50	x	4.53	=	115.18					
Cleat angle				3.00	x	0.15	x	2.61	=	1.17					
BASE PLATE (12mm tk-62.80/sqm)															
Nut Bolts (15 mm tk-2.46Kg/m)	5	x	0.15	x	0.15	=	0.11	x	62.80	=	7.07				
	2	x	4.00	x	0.15	=	1.20	x	2.46	=	2.95				
										Total	=	699.68	Kg		
										10% Curtailment Wt	=	69.9678114			
										Net	=	769.65	MetricTonne		
Weight of Trusses	1.35	x	4.89	x	769.65	=	5083.83								
Waiting & Hall	6.00	x	8.10	x	5.10	=	247.86								
										10% Curtailment Wt	=	24.79			
										Net	=	5356.48			
										5356.48		1000.00	=	5.356	
M.S. Angle	3	x	1	x	0.25	=	0.75								
M.S. Angle	2	x	2	x	0.10	=	0.40								
Vertical Support	3	x	3	x	0.30	=	2.70								
Vertical Support	2	x	4	x	0.45	=	3.60								
Vertical Support	1	x	3	x	0.45	=	1.35								
Vertical Support	3	x	2	x	0.60	=	3.60								
Horizontal Support	2	x	1	x	0.90	=	1.80								
Horizontal Support	2	x	1	x	0.20	=	0.40								
										Net	=	14.60			
										14.60	x	6.10	=	89.06	
										89.06		1000.00	=	0.08906	
										Net Qty =	5.45	MetricTonne			

Item No. 13 :-

Providing and fixing steel ventilator fully glazed partly fixed as per detailed drawing with hot dip zinc coating including fabricating glazing with plain / obscured glass pans and approved type quality and iron oxidized fixtures and fastening with guard square bars 12 mm 10 cm c/c and oil painting 2 coats etc. complete.

1	x	1.00	x	15.50	x	9.00	=	139.50	SquareMetre		
									Total Qty. =	139.50	SquareMetre

Item No. 14 :-

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, lintels pardis, 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. a) For TMT Fe 415 steel bars (If Mild Steel/HYSD steel is to be used prior permission from S.E. should be taken)

Item	Qty	Steel Per					
Footing	12.100	x	50.00	=	605.00	Kg	
Column	2.541	x	45.00	=	113.83	Kg	
Beam	9.645	x	40.00	=	385.31	Kg	
					=	1104.14	Kg
					Total Qty. =	1.10	MT

Item No. 15 :-

Providing and fixing steel ventilator fully glazed partly fixed as per detailed drawing with hot dip zinc coating including fabricating glazing with plain / obscured glass pans and approved type quality and iron oxidized fixtures and fastening with guard square bars 12 mm 10 cm c/c and oil painting 2 coats etc. complete.

V1			16	x	0.10	x	0.60	=	0.96	
							Total Qty.	=	0.96	SquareMetre

Item No. 16 :-

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. 62481979) (Without mechanical gear)

Shutter			2	x	2.10	x	2.50	=	10.50	SquareMetre
							Total Qty.	=	10.50	SquareMetre

Item No. 17 :-

Providing internal cement plaster 20mm thick in two coats in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete

	2	x	4	x	4.04	x	0.90	=	29.09	SquareMetre
	2	x	2	x	4.06	x	0.90	=	14.62	SquareMetre
Parapet Wall	2	x	2	x	12.00	x	0.75	=	36.00	
							Total	=	79.70	SquareMetre

Item No. 18 :-

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.

	2	x	2.00	x	18.52	x	0.90	=	66.67	SquareMetre
	2	x	2	x	12.54	x	0.90	=	45.14	
							Total	=	111.82	SquareMetre

Item No. 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.

Qty as per Item No. 17	=	79.70	SquareMetre
Qty as per Item No. 18	=	111.82	SquareMetre
Total	=	191.52	SquareMetre

Item No. 20 :-

Providing and Fixing 110 mm diameter PVC Rain Water pipe with necessary fittings such as bends, tees, single junctions, slotted vent, clamps etc complete.

	1	x	15.00	x	1.00	=	15.00	
					Total Qty.	=	15.00	RunningMetre

Item No. 21 :-

Shooting of still photographs outdoor and indoor of construction and other works of building, bridges, roads etc. in District and outside dist. At any distances ii) a set of same three copies of 4" x 6" Size

	1.00	x	5.00	=	5.00	set
			Total Qty.	=	5.00	set

Item No. 22 :-

Add Royalty as per Government of Maharashtra Revenue and Forest Departments Order For Sand

1:4:8	11.07	x	0.47	=	5.20	Cum
Footing	20.25	x	0.425	=	8.61	
Columns	9.65	x	0.425	=	4.10	
Beam	9.65	x	0.425	=	4.10	
BB Masonary	15.63	x	0.32	=	5.00	
BB Masonary	3.60	x	0.32	=	1.15	
6 mm plaster	79.70	x	0.025	=	1.99	
Sand Face Plaster	111.82	x	0.033	=	3.69	
			Total Qty.	=	33.84	Cum

Item No. 23 :-

Add Royalty as per Government of Maharashtra Revenue and Forest Departments Order For Other Material

Rubble Soling	27.00	x	1.00	=	27.00	Cum
filling Plinth	83.70	x	1.00	=	83.70	Cum
			Total Qty.	=	110.70	

Item No. 24 :-

Testing Charges for quality control tests on various materials like metal crushed metal bitumen Hard murum Soft Murum, Sand, Cement, Steel etc as per frequency norms and rates for every material in Vigilence and Quality Control Laboratory as directed by Engineer in Charge

Compressive Strength of M-20 grade C.C. Cube	=	1.00	Test
Carrying out water absorption, compressive strength & Efflorescence Test of Bricks	=	2.00	Test
Liquid Limit & Plastic Limit H.M.	=	1.00	Test
Steel Upto 16 mm (set of 3 bars)	=	1.00	Test

Construction of Processing Unit Building for Panchadhanajay Farmer Producer Company Ltd. At Gat No. 86/2 Sheri Tal. Dharangaon Dist- Jalgaon

MEASUREMENT. Electrical

Item No. 1 :-	Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 3 core 4 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	1.00	x	10.00	=	10.00	RMT
				Total Qty.	=	10.00	RMT
Item No. 2 :-	Making trench of suitable width and depth in hard murum /tar road for laying provided LT cable up to and including 36 sq. mm complete as per specification no. CW-EXNCTR	1.00	x	5.00	=	5.00	RMT
				Total Qty.	=	5.00	RMT
Item No. 3 :-	Making trench of suitable width and depth in Soft murum for laying provided LT cable up to and including 36 sq. mm complete as per specification no. CW-EXN - CTR	1.00	x	5.00	=	5.00	RMT
				Total Qty.	=	5.00	RMT
Item No. 4 :-	Supplying erecting mains PVC unarmoured cable 1100 volt grade / ISI mark 3 core / 2.5 sqmm standard / solid copper complete erected on wall with duly painted G.I. Saddle @ 0.25 m C/C & rigidly grouted in the wall with the help of plated screws.	1.00	x	45.00	=	45.00	RMT
				Total Qty.	=	45.00	RMT
Item No. 5 :-	Supplying erecting weather proof powder coated distribution board 4 way with 2 x 6 / 10 Amps S.P.M.C.B. with industrial two pin plug socket 10A and 3 pin plug top 10 A with top cover necessary connection etc. complete with approved make.	1.00	x	4.00	=	4.00	Number
				Total Qty.	=	4.00	Number
Item No. 6 :-	Providing point wiring for street light with PVC unarmoured cable 1100 Volt grade ISI mark 3 core 1.5 sqm standard / solid copper erected on wall with G.I. saddle duly painted @ 0.25 m C/C rigidly grouted in the wall with the help of plated screw including 4' x 4' M.S. box 2 way with epoxy painting &	1.00	x	2.00	=	2.00	Number
				Total Qty.	=	2.00	Number
Item No. 7 :-	Supplying & erecting 10-12 W , 230 v Integral type LED lamp suitable for B-22 / E-27 base	1.00	x	2.00	=	2.00	Number
				Total Qty.	=	2.00	Number
Item No. 8 :-	Supplying & erecting LED street light fitting suitable for 20 to 25 W. with PF > 0.95 class IP - 65 and above housing of pressure die cast aluminium alloy and heat sink extruded aluminium complete as per specification No. FG-ODF / FLS	1.00	x	2.00	=	2.00	Number
				Total Qty.	=	2.00	Number
Item No. 9 :-	Supplying & erecting Street light Wall bracket made from 40 mm dia 'B' class G.I. pipe 1-2 m in total length complete as per specification no. FG-BKT / WB	1.00	x	2.00	=	2.00	Number
				Total Qty.	=	2.00	Number
Item No. 10 :-	Supplying & erecting with galvanized iron earth plate size 60x60x0.6 cm complete with all materials testing & recording the results as per specifications no. EA-EP	1.00	x	1.00	=	1.00	Number
				Total Qty.	=	1.00	Number
Item No. 11 :-	Providing Pipe type earthing with 40 mm dia G.I. pipe or 20 mm dia G.I. rod complete with all materials a per specification no EA-EP providing pipe type earthing with 40 mm dia G.I. pipe or 20 mm dia G.I. Rod complete with all materials as per specification EA-EP	1.00	x	1.00	=	1.00	Number
				Total Qty.	=	1.00	Number
Item No. 12 :-	Supplying erecting & marking DPMCB 6A to 32A C-series (for motor/power) in provided distribution board as per specification no SW-SWR/MCB	1.00	x	1.00	=	1.00	Number
				Total Qty.	=	1.00	Number
Item No. 13 :-	Supplying erecting & making SPMCB 6A to 32A B-series (for Lighting) in provided distribution board as per specification no SW-SWR/MCB	1.00	x	1.00	=	1.00	Number
				Total Qty.	=	1.00	Number

Construction of Processing Unit Building for Panchadhanajay Farmer Producer Company Ltd. At Gat No. 86/2 Sheri Tal. Dharangaon Dist- Jalgaon

RATE ANALYSIS

Sr. No	Description	D.S.R Ip	Rate as per DSR	Additional Lead Charges for												Total Rate	Deduct SCADA 120/Cu m	Total Rate of Item		
				Cement		Steel		Bricks		Sand		Cr. Metal		Rubble					Murum	
				Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount				Factor	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13	14							
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.) By Mechanical Means	DSR Page No./Item No.21.02	193.00														0.00		193.00	
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 necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.50 m) By Mechanical Means	DSR Page No./Item No.21.06	212.00									1.00	366.82				366.82		578.82	

Sr. No	Description	D.S.R Ip	Rate as per DSR	Additional Lead Charges for												Total Rate	Deduct SCADA 120/Cu m	Total Rate of Item		
				Cement		Steel		Bricks		Sand		Cr. Metal		Rubble					Murum	
				Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount				Factor	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16					
3	Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete.	DSR Page No./ Item No.21.38	1294.00														0.00		1294.00	
4	Providing and laying in situ cement concrete of 1:4:8 proportion with trap/ granite/ quartzite/ gneiss metal in foundation including necessary form work, compacting and curing etc. complete. (with reversible drum rtype mixer with SCADA with natural sand)	DSR Page No./ Item No.11.04	5780.00	0.35	52.08					0.47	206.80	0.94	281.84					540.72	120.00	6200.72
5	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 necessary refilling with bitumen etc. complete.	DSR Page No./ Item No.33.3	746.00	0.035	5.20					0.0425	18.70	0.089	26.68					50.58		796.58

Sr. No	Description	D.S.R Ip	Rate as per DSR	Additional Lead Charges for												Total Rate	Deduct SCADA 120/Cu m	Total Rate of Item		
				Cement		Steel		Bricks		Sand		Cr. Metal		Rubble					Murum	
				Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount				Factor	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13	14							
6	Providing and laying in situ 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 stanchions etc. including bailing out water, formwork, cover blocks compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. etc. complete, with fully automatic micro processor based PLC with SCADA enabled concrete batch mix plant With Natural Sand	DSR Page No./ Item No.25.11	6666.00	0.35	52.08					0.425	187.00	0.89	266.84					505.92	120.00	7051.92

Sr. No	Description	D.S.R Ip	Rate as per DSR	Additional Lead Charges for												Total Rate	Deduct SCADA 120/Cu m	Total Rate of Item		
				Cement		Steel		Bricks		Sand		Cr. Metal		Rubble					Murum	
				Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount				Factor	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13	14							
7	Providing and casting in situ cement concrete M20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including centering, formwork, cover blocks 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 concrete batch mix plant (pan mixer).... With natural sand.	DSR Page No / Item No.25.31	12987.00	0.35	52.08					0.425	187.00	0.89	266.84					505.92	120.00	13372.92

Sr. No	Description	D.S.R Ip	Rate as per DSR	Additional Lead Charges for												Total Rate	Deduct SCADA 120/Cu m	Total Rate of Item		
				Cement		Steel		Bricks		Sand		Cr. Metal		Rubble					Murum	
				Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount				Factor	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13	14							
8	Providing & casting in situ cement concrete M20 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 & cunng etc. complete. (Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled concrete batch mix plant (pan mixer).... With natural sa	DSR Page No./ Item No.25.5	11483.00	0.35	52.08				0.425	187.00	0.89	266.84						505.92	120.00	11868.92
9	Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in foundation and plinth including bailing out water manually striking joints, racking out joints watering and scaffolding etc. complete.	DSR Page No./ Item No.27.12	6762.00	0.35	52.08			0.48	326.24	0.32	140.80							519.12		7281.12

Sr. No	Description	D.S.R Ip	Rate as per DSR	Additional Lead Charges for												Total Rate	Deduct SCADA 120/Cu m	Total Rate of Item		
				Cement		Steel		Bricks		Sand		Cr. Metal		Rubble					Murum	
				Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount				Factor	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13	14							
10	Providing fly ash brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete	DSR Page No./ Item No.27.13	6978.00	0.35	52.08			0.48	326.24	0.32	140.80							519.12		7497.12
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. Spec. No. : Bd.A. 11/Page No. 263	DSR Page No./ Item No.21.37	550.00											1.00	287.34			287.34		837.34
12	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 approved quality and shade etc. complete.	DSR Page No./ Item No.23.04	105909.00															0.00		105909.00

Sr. No	Description	D.S.R Ip	Rate as per DSR	Additional Lead Charges for												Total Rate	Deduct SCADA 120/Cu m	Total Rate of Item		
				Cement		Steel		Bricks		Sand		Cr. Metal		Rubble					Murum	
				Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount				Factor	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13	14							
13	Providing and fixing corrugated galvanised iron sheets of 0.63mm thick (24 B.W.G.) for roofing without wind ties, including fastening with galvanised iron screws & bolts, lead & bitumen washers as per drawing etc. complete. (Weight of 5.5 kg/sq.m.).	DSR Page No./ Item No.38.04	816.00														0.00		816.00	
14	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, lintels, parris, 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. a) For TMT Fe 415 steel bars (If Mild Steel/HYSD steel is to be used prior permission from S. E. should be taken)	DSR Page No./ Item No.26.33	71778.00		1.00	148.81											148.81		71926.81	

Sr. No	Description	D.S.R Ip	Rate as per DSR	Additional Lead Charges for												Total Rate	Deduct SCADA 120/Cu m	Total Rate of Item		
				Cement		Steel		Bricks		Sand		Cr. Metal		Rubble					Murum	
				Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount				Factor	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13	14							
15	Providing and fixing steel ventilator fully glazed partly fixed as per detailed drawing with hot dip zinc coating including fabricating glazing with plain / obscured glass pans and approved type quality and iron oxidized fixtures and fastening with guard square bars 12 mm 10 cm c/c and oil painting 2 coats etc. complete.	DSR Page No./ Item No.39.3	4449.00														0.00		4449.00	

Sr. No	Description	D.S.R Ip	Rate as per DSR	Additional Lead Charges for												Total Rate	Deduct SCADA 120/Cu m	Total Rate of Item		
				Cement		Steel		Bricks		Sand		Cr. Metal		Rubble					Murum	
				Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount				Factor	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13	14							
16	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. 62481979) (Without mechanical gear)	DSR Page No./ Item No.39.24	4310.00														0.00		4310.00	

Sr. No	Description	D.S.R Ip	Rate as per DSR	Additional Lead Charges for												Total Rate	Deduct SCADA 120/Cu m	Total Rate of Item		
				Cement		Steel		Bricks		Sand		Cr. Metal		Rubble					Murum	
				Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount				Factor	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16					
17	Providing internal cement plaster 20mm thick in two coats in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete.	DSR Page No./ Item No.32.06	359.00	0.17	25.29					0.025	11.00						36.29		395.29	
18	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.	DSR Page No./ Item No.32.11	599.00	0.25	37.20					0.033	14.52						51.72		650.72	

Sr. No	Description	D.S.R Ip	Rate as per DSR	Additional Lead Charges for												Total Rate	Deduct SCADA 120/Cu m	Total Rate of Item		
				Cement		Steel		Bricks		Sand		Cr. Metal		Rubble					Murum	
				Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount	Factor	Amount				Factor	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13	14							
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.	DSR Page No./ Item No.35.13	74.00														0.00		74.00	
20	Providing and Fixing 110 mm diameter PVC Rain Water pipe with necessary fittings such as bends, tees, single junctions, slotted vent, clamps etc complete.	DSR Page No./ Item No.42.87	502.00															0.00		502.00
22	Add Royalty as per Government of Maharashtra Revenue and Forest Departments Order For Sand		237.37															0.00		237.37

Construction of Processing Unit Building for Panchadhanajay Farmer Producer Company Ltd. At Gat No. 86/2 Sheri Tal. Dharangaon Dist- Jalgaon

Rate Analysis Electrical

Item No. 4 :-

Supplying erecting mains PVC unarmoured cable 1100 volt grade / ISI mark 3 core / 2.5 sqmm standard / solid copper complete erected on wall with duly painted G.I. Saddle @ 0.25 m C/C & rigidly grouted in the wall with the help of plated screws.

M.R. A) PVC unarmoured cable 3 core 2.5 Sq. mm -----	Rs. 84.00
M.R. B) G.I. saddle, screw and rawl plug etc -----	12.00
Add 10% C.P.	9.60
D.S. R. C) Labour charges -- as per item no. 7-2-16	20.00

Total Qty. = 125.60

Item No. 5 :-

Supplying erecting weather proof powder coated distribution board 4 way with 2 x 6 / 10 Amps S.P.M.C.B. with industrial two pin plug socket 10A and 3 pin plug top 10 A with top cover necessary connection etc. complete with approved make.

I.N. 5-3-3/94 A) SPMCB 6 Amp. - 1 No. @ Rs. 164	164.00
I.N. 5-4-22-97 B) 1.25 mm CRCA sheet metal enclosure with 10 Amp 2 pin plug	765.00
I.N. 5-4-23/97 . C) CRCA sheet metal one way enclosure ----	361.00

Total Qty. = 1290.00

Item No. 6 :-

Providing point wiring for street light with PVC unarmoured cable 1100 Volt grade ISI mark 3 core 1.5 sqm standard / solid copper erected on wall with G.I. saddle duly painted @ 0.25 m C/C rigidly grouted in the wall with the help of plated screw including 4' x 4' M.S. box 2 way with epoxy painting &

M.R. A) PVC unarmoured cable 3 core 1.5 Sq. mm ----- (13 x 52)	676.00
M.R. B) M.S. Box epoxy coated (2 way 4' x 4' -----	70.00
M.R. C) Nylon Connector strip 10 Amp	10.00
M.R. D) G.I. saddle, screw and rawl plug etc. -----	25.00
M.R. E) Flexible cable for street light connection 3 core 1.5 sq. mm (2 x 45)	95.00
Add 10% CP	87.60
M.R. F) Labour Charges (20 x 13)	260.00

Total Qty. = 1223.60

Item No. 16 :-

Supplying and erecting triple pole and neutral distribution board (TPNDNB) surface / flush mounted suitable for SPMCB of 12 ways on iron /GI frame (horizontal bushar type) as per specification no CB-CE

I.N. 5-4-1/96 A) TPN MCB & Neutral Distribution board 12 ways ----- I. No.	1775.00
I.N. 5-3-15/94 B) TPNMCB 40 A to 63 A ----- I. No.	977.00
I.N. 5-3-2/94 . C) Single pole MCB 6 A to 32 A ----- 12 Nos. @ Rs. 165 / No.	1980.00

Total Qty. = 4732.00

Item No. 22 :-

Supplying shockproof type hand lamp with lamp holder bulb/lamp 100W guarded glass and 30 mtr. 3 core PVC flexible cord with hand shielded type 3 pin 6Amp plug. Top.

I.N. 2-2-1/31 A) Shockproof hand lamp ----- 1 No.	164.00
I.N. 2-10-12 /40 B) LED Lamp 10/12 W ----- 1 No.	309.00
M.R. C) 3 core 1.50 sq. mm flexible cord ----- 20 Rmt @ vRs. 50 / -	1000.00
Add 10% CP on (C)	100.00

Total Qty. = 1573.00

Item No. 24 :-

point wiring for independent in 20mm ISI marked HMS PVC conduit with 1.5 Sq mm (2+1E) FRISH grade copper wire flush type switch earthing and required accessories as per specification No WG-PW/SW

I.N. 1-3-3/5 A) 2 x 2.5 Sqmm copper wire ----- 2 Rmt @Rs. 57	114.00
I.N. 1-7-12 /12 B) Combined switch & socket 13 A ----- I. No. @ Rs. 136	136.00
I.N. 1-2-9/5 C) PVC Casing capping 20 mm ----- 6 Rmt @vRs. 36	216.00

Total Qty. = 466.00

Item No. 25 :-

power point wiring for geaser/Refrigerator with ISI mark 2x2.50 sq mm copper PVC insulated wire 1.1 KV grade in PVC casing capping with double locking arrangement with 1x1.00 sq mm copper PVC insulated wire for earthing on wall/ ceiling with necessary G.I. screws etc, fixed at an

I.N. 1-3-3/5 A) 2 x 2.5 Sq.mm copper wire ----- 2 Rmt @ Rs. 57	57.00
I.N. 1-3-1 /5 B) 2 x 1.5 Sq. mm Copper wire ----- I. No. @ Rs. 38	38.00
I.N. 1-2-9/4 C) PVC Casing capping 20 mm ----- @VRs. 36	36.00

Total Qty. = **131.00**

Item No. 26 :-

Supplying and erecting mains with 2x 4.00 Sq mm standerd copper PVC insulated wire with 2x2.15 sq mm copper PVC wire in PVC casting capping 20 mm on wall / ceiling .

I.N. 1-3-3/5 A) 2 x 4 S.qmm copper wire ----- @ Rs. 78	78.00
I.N. 1-3-1 /6 B) 2 x 1.5 Sq. mm Copper wire ----- @ Rs. 38	38.00
I.N. 1-2-10/4 C) PVC Casing capping 25 mm ----- @Rs. 38	38.00

Total Qty. = **154.00**

Construction of Processing Unit Building for Panchadhanajay Farmer Producer Company Ltd. At Gat No. 86/2 Sheri Tal. Dharangaon Dist- Jalgaon

Material Lab Testing charges

Sr. No.	Test To Be Carried Out	Unit	No. of Test	Rate Per Test	Amount
1	Compressive Strength of M-20 grade C.C. Cube	Test	1.00	690.00	690.00
2	Carrying out water absorption , compressive strength & Efflorescence Test of Bricks	Test	2.00	2175.00	4350.00
3	Liquid Limit & Plastic Limit H.M.	Test	1.00	1170.00	1170.00
4	Steel Upto 16 mm (set of 3 bars)	Test	1.00	1275.00	1275.00
				Total Amount Rs.	7485.00

**Construction of Processing Unit Building for Panchadhanajay Farmer Producer Company
Ltd. At Gat No. 86/2 Sheri Tal. Dharangaon Dist- Jalgaon**

Royalty Charges Recovery Statement

Sr. No.	Particulars	Required Qty in CUM	Royalty	Surcharge	Distt. Mineral Foundati on Cess	Total Rate	Amount
1	Sand	33.84	237.37			237.37	8033.60
2	Metal Hand Broken	0	0			0	0.00
3	Murum	110.70	216.18			216.18	23931.13
4	Rubble	0	0			0	0.00
						Total Amount Rs.	31964.73

Construction of Processing Unit Building for Panchadhanajay Farmer Producer Company Ltd. At Gat No. 86/2 Sheri Tal. Dharangaon Dist- Jalgaon

LEAD STATEMENT

Sr No.	Material	Total lead in Km	Total Lead charges	Net Additional Lead Charges	Unit
1	2	3	4	5	6
1	Cement	5.00	148.81	148.81	MT
2	Steel	5.00	148.81	148.81	Cum
3	Sand	25.00	440.01	440.01	Cum
4	Bricks	10.00	679.67	679.67	Cum
5	Crushed metal	10.00	299.83	299.83	Cum
6	Rubble	10.00	366.82	366.82	Cum
7	HM/SM	10.00	287.34	287.34	Cum


Ajaib. Patil
Consulting Civil Engineer
Reg.No.-NSK/JD/57/PAB