

DETAILED ESTIMATE

(AS PER PWD SSR 2022-23)

FOR

KOKANGABHA AGRO PRODUCTS FARMER PRODUCER COMPANY LTD.

TOTAL AMOUNT (Rs.) = 53.00 LAKHS

*** NAME OF WORK ***

CONSTRUCTION OF PROCESSING UNIT FOR KOKANGABHA AGRO
PRODUCTS FARMER PRODUCER COMPANY LTD AT GAVANE TQ LANJA
DIST RATNAGIRI

CONSULTANT

KOKANGABHA AGRO PRODUCTS FARMER PRODUCER COMPANY LTD.

AT GAVANE TQ LANJA DIST RATNAGIRI

NAME OF WORK :-CONSTRUCTION OF PROCESSING UNIT FOR KOKANGABHA AGRO PRODUCTS FARMER PRODUCER COMPANY LTD AT GAVANE TQ LANJA DIST RATNAGIRI

RECAPULATION SHEET

Sr.	Particulars	AREA	UNIT	AMOUNT(Rs.)
S.W. I	Construction of Processing Unit	372.00	SQ.MTR	4440124.00
S.W. II	Puff Panel	430.00	SQ.MTR	193500.00
S.W. III	Door Work	18.00	SQ.MTR	11093.70
S.W. IV	Lab Testing			24215.00
S.W. V	Royalty Charges			42178.41
	Total			4711111.11
	Add 12% GST			565333.3335
	Add 0.50 % Labour Insurance			23555.56
	Grand Total			5300000.00

**NAME OF WORK :-CONSTRUCTION OF PROCESSING UNIT FOR KOKANGABHA AGRO PRODUCTS
FARMER PRODUCER COMPANY LTD AT GAVANE TQ LANJA DIST RATNAGIRI**

MEASUREMENT SHEET

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QTY.
SW I : CIVIL WORK						
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 (S.S.R. OF 2022-23 I.No. 21.02 P.No. 153)					
	FOR COLUMN FOOTING,	27	2.00	2.00	1.200	129.600
		TOTAL QUANTITY				129.600
						Cu.M.
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 (S.S.R. I.No. 21.06 P.No. 153)					
	FOR COLUMN FOOTING,	27	2.00	2.00	0.291	31.395
		TOTAL QUANTITY				31.395
						Cu.M.
3	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, 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) (S. e-S.S.R. I.No. 24.01 P.No. 175)					
	FOR COLUMN FOOTING,	27	2.00	2.00	0.100	10.800
	FOR BEAM OF PROCESSING UNIT	1	86.00	0.53	0.100	4.558
	FOR CASHEW PROCESSING UNIT	1	12.00	31.00	0.050	18.600
		TOTAL QUANTITY				33.958
					Cu.M.	
4	Providing and laying Cast in situ/Ready Mix cement concrete M-25 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, 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 (Crushed sand VSI Grade)					

MEASUREMENT SHEET

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QTY.
	(S- S.S.R. I.No. 25.13, P.No. 178)					
	FOR COLUMN FOOTING,	27	1.80	1.80	0.450	39.366
		TOTAL QUANTITY				39.366
						Cu.M.

MEASUREMENT SHEET

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QTY.
5	Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) (S- S.S.R. I.No. 25.33, P.No. 180)					
	FOR COLUMN FOOTING TO PLINTH	27	0.23	0.45	1.391	3.886
	FOR COLUMN ABOVE PLINTH	27	0.23	0.45	5.000	13.973
		TOTAL QUANTITY				17.859
						Cu.M.
6	Providing and laying Cast in situ/Ready Mix cement concrete in M-25 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, 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 (Crushed sand VSI Grade) (S- S.S.R. I.No. 25.52, P.No. 181)					
	GROUND LEVEL FOR PROCESSING UNIT	1	86.00	0.23	0.450	8.901
	SLAB LEVEL FOR PROCESSING UNIT	1	86.00	0.23	0.350	6.923
		TOTAL QUANTITY				15.824
						Cu.M.
7	Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) (S.S.R. I.No. 25.72, P.No. 182)					
	FOR CASHEW PROCESSING UNIT	1	12.000	31.000	0.100	37.200
		TOTAL QUANTITY				37.200
						Cu.M.

MEASUREMENT SHEET

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QTY.
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, 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 (S.S.R. I.No.26.33, P.No. 188)					
	Footing	39.37	cum. @	83.00	kg/cum	3267.378
	Column	17.86	cum. @	83.00	kg/cum	1482.297
	Beam	15.82	cum. @	82.90	kg/cum	1311.810
	Slab	37.20	cum. @	82.90	kg/cum	3083.880
	Trimix	74.40	cum. @	81.87	kg/cum	6090.880
					TOTAL	15236.25
						KG
		TOTAL QUANTITY				15.236
						M.T.
9	Providing soling using 80mm. size trap metal in 15cm. layer including filling voids with crused sand/grit, ramming, watering etc. complete. Spec. no. As directed by Engineer in charge . (S.S.R. I.No.21.40 P.No. 157)					
	FOR CASHEW PROCESSING UNIT	1	12.000	31.000	0.100	37.200
		TOTAL QUANTITY				37.200
						CUM
10	Filling in plinth and floors with contractors material/ brought from out side and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. Complete (Spec.No.Bd.A.11 page No.263) (S.S.R.I.No. 21.37, P.No. 157)					
	FOR CASHEW PROCESSING UNIT	1	12.000	31.000	0.100	37.200
		TOTAL QUANTITY				37.200
						Cu.M.
11	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. :Bd.L.7 Page No. 369 (S.S.R. I. No. 32.11 P. 209)					
	TO BEAM	3	86.00		0.450	116.100
	TO COLUMN INNER SIDE	27	0.45		5.000	60.750
	TO COLUMN OUTER SIDE	27	0.45		5.000	60.750
	TO COLUMN INNER SIDE	27	0.23		5.000	31.050
	TO COLUMN OUTER SIDE	27	0.23		5.000	31.050
	TO SLAB	1	12.00		31.000	372.000
		TOTAL QUANTITY				671.700
						SQM

MEASUREMENT SHEET

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QTY.
12	Providing and laying in situ cement concrete M30 with tremix treatment for 200 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessaryrefilling with bitumen etc. complete.					
	(S.S.R. I. No. 33.31 P. 216)					
	FOR CASHEW PROCESSING UNIT	1	12.00	31.00		372.000
		TOTAL QUANTITY				372.000
						SQM
13	Providing and applying two coats of exterior weather shield paint of approved manufacture and of approved colour to the plastered surfaces including cleaning ,preparing the plaster surface ,applying primer coat ,scaffolding if necessary, and watering the surface for					
	(S.S.R.I.No. 35.26, P. No. 225)					
		QTY AS PER PLASTER				671.700
		TOTAL QUANTITY				671.700
						Sq.M.
14	Conveying materials obtained from excavation including all lifts,laying in layers of 20cm. to 30cm.breaking clods,dressing to the required lines,curves,grades and section,watering and compacting to not less than 97%of standard proctor density for a lead of 300m.to500m. inclusive,from the site of excavation to the site of deposition as directed.					
	(S.S.R. I.No. 2.26 P. No. 25)					
	AS PER ITEM NO 1 & 2	161.00				160.995
		TOTAL QUANTITY				CUM
15	Providing preconstructional antitermite treatment as per I.S.6313(Part-II) by treating the top surface of plinth filling at the rate of 5 litres of emulsion concentrate at 1.0 percent of clorophyrifos per square metre of surface area covering ten years guarantee on bond paper.					
	(S.S.R. I.No. 21.24 P. No. 158)					
	FOR CASHEW PROCESSING UNIT	1	12.00	31.00		372.000
		TOTAL QUANTITY				372.000
						SQM
16	Compacting the sub grade/gravel/oversize metal (200 mm loose) layers for all width with Vibratory roller having weight 8 to 10 MT. including necessary, labour, materials and artificial watering complete					
	(S.S.R. I.No.50.60. P. No. 346)					
	FOR CASHEW PROCESSING UNIT	1	12.00	31.00		372.000
		TOTAL QUANTITY				372.000
						SQM

MEASUREMENT SHEET

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QTY.
17	Compacting the hard murum side widths including laying in layers on each side with vibratory roller including artificial watering etc. complete. (S.S.R. I.No.2.31 P. No. 25)					
	FOR CASHEW PROCESSING UNIT	1	12.00	31.00		372.000
		TOTAL QUANTITY				372.000
						SQM
SW II : PUFF PANEL						
1	FOR GODOWN PUFF PANEL	1	86.00	5.00		430.000
						430.000
						SQM
SW III : DOOR WORK						
2	FOR DOOR WORK	2	3.00	3.00		18.000
		TOTAL QUANTITY				18.000
						SQM
SW IV : LAB TESTING						
1	BASIC TEST OF AGGREGATE					
	a) Water Absorption, Specific Gravity, Impact Value, Crushing Value.	1.00				1.000
	b) Sieve Analysis.	1.00				1.000
	c) Abrasion Value.	1.00				1.000
	d) Flakiness Index & Elongation Index.	1.00				1.000
2	BRICKS					
	Water Absorption (Set of 5 Bricks), Compressive Strength(Set of 5 Bricks), Efflorescence (Set of 5 Bricks).	1.00				1.000
3	CONCRETE					
	a) Compressive Strength OF C.C. Cube (Set of 3 cubes).	2.00				2.000
	b) Concrete Mix Design (With all Tests on basic materials)	1.00				1.000
4	STEEL					
	Steel bar testing upto 16 mm (set of 3 bars)(Tensile strength, %, Elongation, Yield Stress, Weight-Per Meter, Bend / Rebend Test, Proof Stress.)	1.00				1.000

**NAME OF WORK :-CONSTRUCTION OF PROCESSING UNIT FOR KOKANGABHA AGRO PRODUCTS
FARMER PRODUCER COMPANY LTD AT GAVANE TQ LANJA DIST RATNAGIRI**

ABSTRACT SHEET

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
1	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area & 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 (S.S.R. OF 2022-23 I.No. 21.02 P.No. 153)				
	RATE ANALYSIS	129.600	207.00	Cu.M.	26827.00
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 (S.S.R. I.No. 21.06 P.No. 153)				
	RATE ANALYSIS	31.395	227.00	Cu.M.	7127.00
3	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, 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 (S. e-S.S.R. I.No. 24.01 P.No. 175)				
	RATE ANALYSIS	33.958	6618.40	Cu.M.	224748.00
4	Providing and laying Cast in situ/Ready Mix cement concrete M-25 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, 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. (S- S.S.R. I.No. 25.13, P.No. 178)				
	RATE ANALYSIS	39.366	7910.85	Cu.M.	311419.00
5	Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum (S- S.S.R. I.No. 25.33, P.No. 180)				
	RATE ANALYSIS	17.859	14584.08	Cu.M.	260457.00

ABSTRACT SHEET

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
6	Providing and laying Cast in situ/Ready Mix cement concrete in M-25 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 (S- S.S.R. I.No. 25.52, P.No. 181)				
	RATE ANALYSIS	15.824	13268.73	Cu.M.	209964.00
7	Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum (S.S.R. I.No. 25.72, P.No. 182)				
	RATE ANALYSIS	37.200	14932.73	Cu.M.	555498.00
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, 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 (S.S.R. I.No.26.33, P.No. 188)				
	RATE ANALYSIS	15.236	89838.46	MT	1368779.0
9	Providing soling using 80mm. size trap metal in 15cm. layer including filling voids with crushed sand/grit, ramming, watering etc. complete. Spec. no. As directed by Engineer in (S.S.R. I.No.21.40 P.No. 157)				
	RATE ANALYSIS	37.200	1734.06	CUM	64507.00
10	Filling in plinth and floors with contractors material/ brought from out side and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. Complete (Spec.No.Bd.A.11 page No.263) (S.S.R.I.No. 21.37, P.No. 157)				
	RATE ANALYSIS	37.200	794.49	Cu.M.	29555.00
11	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 (S.S.R. I. No. 32.11 P. 209)				
	RATE ANALYSIS	671.700	660.55	Sq.M.	443691.00
12	Providing and laying in situ cement concrete M30 with tremix treatment for 200 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessaryrefilling with bitumen etc. complete (S.S.R. I. No. 33.31 P. 216)				

ABSTRACT SHEET

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
	RATE ANALYSIS	372.000	1493.55	Sq.M.	555601.00
13	Providing and applying two coats of exterior weather shield paint of approved manufacture and of approved colour to the plastered surfaces including cleaning ,preparing the plaster (S.S.R.I.No. 35.26, P. No. 225)				
	RATE ANALYSIS	671.700	295.00	Sq.M.	198152.00
14	Conveying materials obtained from excavation including all lifts,laying in layers of 20cm. to 30cm.breaking clods,dressing to the required lines,curves,grades and section,watering and compacting to not less than 97%of standard proctor density for a lead of 300m.to500m. inclusive,from the site of excavation to the site of deposition as directed (S.S.R. I.No. 2.26 P. No. 25)				
	RATE ANALYSIS	160.995	393.00	cum	63271.00
15	Providing preconstructional antitermite treatment as per I.S.6313(Part-II) by treating the top surface of plinth filling at the rate of 5 litres of emulsion concentrate at 1.0 percent of chlorophyrifos per square metre of surface area covering ten years guarantee on bond paper. (S.S.R. I.No. 21.24 P. No. 158)				
	RATE ANALYSIS	372.000	108.00	sqm	40176.00
16	Compacting the sub grade/gravel/oversize metal (200 mm loose) layers for all width with Vibratory roller having weight 8 to 10 MT. including necessary, labour, materials and artificial watering complete (S.S.R. I.No.50.60. P. No. 346)				
	RATE ANALYSIS	372.000	37.00	sqm	40176.00
17	Compacting the hard murum side widths including laying in layers on each side with vibratory roller including artificial watering etc. complete. (S.S.R. I.No.2.31 P. No. 25)				
	RATE ANALYSIS	372.000	21.00	sqm	40176.00
			TOTAL Rs.		4440124
SW II : PUFF PANEL					
1	FOR GODOWN PUFF PANEL				
		430.000	450.00	SQM	193500.00
			TOTAL Rs.		193500.00
SW III : DOOR WORK					
2	FOR DOOR WORK				
		18.000	616	SQM	11093.70
			TOTAL Rs.		11093.70
SW IV : LAB TESTING					
1	BASIC TEST OF AGGREGATE				
	a) Water Absorption, Specific Gravity,Impact Value, Crushing Value.	1.00	2600.00	Nos.	2600.00
	b) Sieve Analysis.	1.00	690.00	Nos.	690.00
	c) Abrasion Value.	1.00	1170.00	Nos.	1170.00
	d) Flakiness Index & Elongation Index.	1.00	850.00	Nos.	850.00
2	BRICKS				
	Water Absorption (Set of 5 Bricks), Compressive Strength(Set of 5 Bricks), Efflorescence (Set of 5 Bricks).	1.000	2175.00	Nos.	2175.00

ABSTRACT SHEET

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
	CONCRETE				
3	a) Compressive Strength OF C.C. Cube (Set of 3 cubes).	2.000	690.00	Nos.	1380.00
	b) Concrete Mix Design (With all Tests on basic materials)	1.000	13755.00	Nos.	13755.00
	STEEL				
4	Steel bar testing upto 16 mm (set of 3 bars)(Tensile strength, %, Elongation, Yield Stress,Weight-Per Meter, Bend / Rebend Test, Proof Stress.)	1.000	1595.00	Nos.	1595.00
			TOTAL Rs.		24215.00

NAME OF WORK :-CONSTRUCTION OF PROCESSING UNIT FOR KOKANGABHA AGRO PRODUCTS FARMER PRODUCER COMPANY LTD AT GAVANE TQ LANJA DIST RATNAGIRI

RATE ANALYSIS AS PER SSR 2022-23

SR.N O.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE
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			
	(S.S.R. OF 2022-23 I.No. 21.02 P.No. 153)			207.00
	TOTAL RATE Rs.			207.00
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			
	(S.S.R. I.No. 21.06 P.No. 153)			227.00
	TOTAL RATE Rs.			227.00
3	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, 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)			
	(S. e-S.S.R. I.No. 24.01 P.No. 175)			5830.00
	ADD LEAD CHARGES FOR CEMENT	0.22000	135.46	29.80
	ADD LEAD CHARGES FOR SAND	0.47000	280.05	131.62
	ADD LEAD CHARGES FOR CR METAL	0.24000	280.06	67.21
	ADD LEAD CHARGES FOR 40MM METAL CB	0.70000	268.39	187.87
	@ADD DIFF.COST FOR SAND	0.47000	730.00	343.10
	@ADD DIFF.COST FOR 20MM METAL	0.24000	120.00	28.80
	@ADD DIFF.COST FOR 40MM METAL CB	-0.70000	0.00	0.00
	TOTAL RATE Rs.			6618.40

RATE ANALYSIS AS PER SSR 2022-23

SR.N O.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE	
4	Providing and laying Cast in situ/Ready Mix cement concrete M-25 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, 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 (Crushed sand VSI (S- S.S.R. I.No. 25.13, P.No. 178)			7287.00	
	ADD LEAD CHARGES FOR CEMENT	0.35000	135.46	47.41	
	ADD LEAD CHARGES FOR SAND	0.44000	280.05	123.22	
	ADD LEAD CHARGES FOR CR METAL	0.33000	280.06	92.42	
	@ADD DIFF.COST FOR SAND	0.44000	730.00	321.20	
	@ADD DIFF.COST FOR 20MM METAL	0.22000	120.00	26.40	
	@ADD DIFF.COST FOR 12MM METAL	0.11000	120.00	13.20	
	@ADD DIFF.COST FOR 40MM METAL CB	-0.56000	0.00	0.00	
	TOTAL RATE Rs.			7910.85	PerCu.M.
	5	Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) (S- S.S.R. I.No. 25.33, P.No. 180)			13967.00
ADD LEAD CHARGES FOR CEMENT		0.30000	135.46	40.64	
ADD LEAD CHARGES FOR SAND		0.44000	280.05	123.22	
ADD LEAD CHARGES FOR CR METAL		0.33000	280.06	92.42	
@ADD DIFF.COST FOR SAND		0.44000	730.00	321.20	
@ADD DIFF.COST FOR 20MM METAL		0.22000	120.00	26.40	
@ADD DIFF.COST FOR 12MM METAL		0.11000	120.00	13.20	
TOTAL RATE Rs.			14584.08	PerCu.M.	

RATE ANALYSIS AS PER SSR 2022-23

SR.N O.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE
6	Providing and laying Cast in situ/Ready Mix cement concrete in M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)			
	(S- S.S.R. I.No. 25.52, P.No. 181)			12452.00
	ADD LEAD CHARGES FOR CEMENT	0.35000	135.46	47.41
	ADD LEAD CHARGES FOR SAND	0.42500	280.05	119.02
	ADD LEAD CHARGES FOR CR METAL	0.85000	280.06	238.05
	@ADD DIFF.COST FOR SAND	0.42500	730.00	310.25
	@ADD DIFF.COST FOR 20MM METAL	0.57000	120.00	68.40
	@ADD DIFF.COST FOR 12MM METAL	0.28000	120.00	33.60
TOTAL RATE Rs.				13268.73 PerCu.M.
7	Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)			
	(S.S.R. I.No. 25.72, P.No. 182)			14116.00
	ADD LEAD CHARGES FOR CEMENT	0.35000	135.46	47.41
	ADD LEAD CHARGES FOR SAND	0.42500	280.05	119.02
	ADD LEAD CHARGES FOR CR METAL	0.85000	280.06	238.05
	@ADD DIFF.COST FOR SAND	0.42500	730.00	310.25
	@ADD DIFF.COST FOR 20MM METAL	0.57000	120.00	68.40
	@ADD DIFF.COST FOR 12MM METAL	0.28000	120.00	33.60
TOTAL RATE Rs.				14932.73 PerCu.M.
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, 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			
	(S.S.R. I.No.26.33, P.No. 188)			89703.00
	ADD LEAD CHARGES FOR STEEL	1.00000	135.46	135.46
TOTAL RATE Rs.				89838.46 PerM.T.

RATE ANALYSIS AS PER SSR 2022-23

SR.N O.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE	
9	Providing soling using 80mm. size trap metal in 15cm. layer including filling voids with crused sand/grit, ramming, watering etc. complete. Spec. no. As directed by Engineer in charge .				
	(S.S.R. I.No.21.40 P.No. 157)			1454.00	
	ADD LEAD CHARGES FOR METAL	1.00000	280.06	280.06	
	TOTAL RATE Rs.			1734.06	PerCU.M.
10	Filling in plinth and floors with contractors material/ brought from out side and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. Complete (Spec.No.Bd.A.11 page No.263)				
	(S.S.R.I.No. 21.37, P.No. 157)			599.00	
	ADD LEAD CHARGES FOR MURUM-HARD	1.00000	186.49	186.49	
	ADD DIFF.COST FOR MURUM-HARD	1.00000	9.00	9.00	
	TOTAL RATE Rs.			794.49	PerCu.M.
11	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. :Bd.L.7 Page No. 369				
	(S.S.R. I. No. 32.11 P. 209)			639.00	
	ADD LEAD CHARGES FOR CEMENT	0.01000	135.46	1.35	
	ADD LEAD CHARGES FOR SAND	0.02000	280.05	5.60	
	@ADD DIFF.COST FOR SAND	0.02000	730.00	14.60	
	TOTAL RATE Rs.			660.55	
12	Providing and laying in situ cement concrete M30 with tremix treatment for 200 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessaryrefilling with bitumen etc. complete.				
	(S.S.R. I. No. 33.31 P. 216)			1464.00	
	ADD LEAD CHARGES FOR CEMENT	0.01000	135.46	1.35	
	ADD LEAD CHARGES FOR SAND	0.02000	280.05	5.60	
	ADD LEAD CHARGES FOR CR METAL	0.02000	280.06	5.60	
	@ADD DIFF.COST FOR SAND	0.02000	730.00	14.60	
	ADD DIFF.COST FOR CR METAL	0.02000	120.00	2.40	
TOTAL RATE Rs.			1493.55	PerSq.M.	
13	Providing and applying two coats of exterior weather shield paint of approved manufacture and of approved colour to the plastered surfaces including cleaning ,preparing the plaster surface ,applying primer coat ,scaffolding if necessary, and watering the surface for				
	(S.S.R.I.No. 35.26, P. No. 225)			295.00	
	TOTAL RATE Rs.			295.00	PerSq.M.

RATE ANALYSIS AS PER SSR 2022-23

SR.N O.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE	
14	Conveying materials obtained from excavation including all lifts,laying in layers of 20cm. to 30cm.breaking clods,dressing to the required lines,curves,grades and section,watering and compacting to not less than 97%of standard proctor density for a lead of 300m.to500m. inclusive,from the site of excavation to the site of deposition as directed.				
	(S.S.R. I.No. 2.26 P. No. 25)			393.00	
	TOTAL RATE Rs.			393.00	NOS
15	Providing preconstructional antitermite treatment as per I.S.6313(Part-II) by treating the top surface of plinth filling at the rate of 5 litres of emulsion concentrate at 1.0 percent of clorophyrifos per square metre of surface area covering ten years guarantee on bond paper.				
	(S.S.R. I.No. 21.24 P. No. 158)			108.00	
	TOTAL RATE Rs.			108.00	sqm
16	Compacting the sub grade/gravel/oversize metal (200 mm loose) layers for all width with Vibratory roller having weight 8 to 10 MT. including necessary, labour, materials and artificial watering complete				
	(S.S.R. I.No.50.60. P. No. 346)			37.00	
	TOTAL RATE Rs.			37.00	sqm
17	Compacting the hard murum side widths including laying in layers on each side with vibratory roller including artificial watering etc. complete.				
	(S.S.R. I.No.2.31 P. No. 25)			21.00	
	TOTAL RATE Rs.			21.00	sqm

**NAME OF WORK :-CONSTRUCTION OF PROCESSING UNIT FOR KOKANGABHA AGRO PRODUCTS
FARMER PRODUCER COMPANY LTD AT GAVANE TQ LANJA DIST RATNAGIRI**

LEAD CHART (AS PER SSR-2022-23)

SR. NO.	MATERIAL	TYPE OF MATERIAL	LOCATION OF QUARRY	LEAD IN KM.	LEAD CHARGES	INITIAL LEAD CHARGES	NET LEAD CHARGES.
1	CEMENT	MANUAL	LANJA	3.00	135.46	0.00	135.46
2	SAND	MACHINE	LANJA	6.00	280.05	0.00	280.05
3	CR METAL	MACHINE	LANJA	6.00	280.06	0.00	280.06
4	40MM METAL CB	MACHINE	LANJA	6.00	268.39	0.00	268.39
5	STEEL	MANUAL	LANJA	3.00	135.46	0.00	135.46
6	BRICKS	MANUAL	LANJA	3.00	436.28	0.00	436.28
7	MURUM-HARD	MACHINE	LOCAL QUARRY	1.00	186.49	0.00	186.49

**NAME OF WORK :-CONSTRUCTION OF PROCESSING UNIT FOR KOKANGABHA AGRO PRODUCTS
FARMER PRODUCER COMPANY LTD AT GAVANE TQ LANJA DIST RATNAGIRI**

DIFF.COST OF MATERIAL

SR. NO.	MATERIAL	RATE AS PER SSR OF 2022-23	MARKET RATE	EXCESS	LESS	REMARKS/ EFFECTIVE DATE
1	SAND	1670.00	2400.00	730.00	0.00	Rate As On
2	20MM METAL	1050.00	1170.00	120.00	0.00	Rate As On
3	12MM METAL	1050.00	1170.00	120.00	0.00	Rate As On
4	40MM METAL CB	900.00	950.00	50.00	0.00	Rate As On
5	BRICKS	8.50	9.00	0.50	0.00	Rate As On
6	MURUM-HARD	316.00	325.00	9.00	0.00	Rate As On