

Recapitulation Sheet

Name of Work **PROPOSED CONSTRUCTION OF WHEAT FLOUR UNIT ,
RAWA MAIDA UNIT , GRAIN PACKAGING UNIT .FOR
GARUDPANKH FOODGRAINS PRODUCER COMAPNY
LIMITED ON SURVEY NO 145 AT KAKADSHIVANI POST
KHERDA TQ KARANJA DIST WASHIM**

SSR YEAR 2022-2023

Sub Work	Amount
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1	CONSTRUCTION OF PROCESSING UNIT (WHEAT FLOUR , RAWA MAIDA UNIT , GRAIN PACKAGING UNIT)	8,864,444.73
2	Royalty Charges Estimate	159,487.09
3	Testing Charges Estimate	100,315.00

	Total Amount	9,124,246.82
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	Round off	9,124,247.00
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ADD ON WORK PORTION

	GST Charges 18 % (On Work Portion)	1,595,600.00
	Electrification Charges 3 % (On Work Portion & Royalty and Testing Estimates)	273,727.00
	FLOOR CHARGE 1 % (On Work Portion & Royalty and Testing Estimates)	91,242.00
	Insurance 0.5 % (On Work Portion)	44,322.00

	Grand Total	11,129,137.82
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	Round off	11,129,138.00
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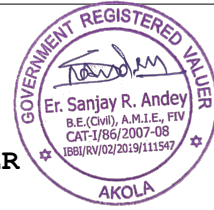
**Rupees One Crore Eleven Lakh Twenty Nine Thousand One Hundred And Thirty
Eight Only**

Sub Work

Amount

ENGINEER

ENGINEER



Name of Work : PROPOSED CONSTRUCTION OF WHEAT FLOUR UNIT , RAWA MAIDA UNIT , GRAIN PACKAGING UNIT .FOR GARUDPANKH FOODGRAINS PRODUCER COMAPNY LIMITED ON SURVEY NO 145 AT KAKADSHIVANI POST KHERDA TQ KARANJA DIST WASHIM

Description	Quantity	Rate/Unit	Amount
NAME OF SUB WORK -- CONSTRUCTION OF PROCESSING UNIT (WHEAT FLOUR , RAWA MAIDA UNIT , GRAIN PACKAGING UNIT)			
ITEM NO. : 1 Excavation for foundation by mechanical means in earth, soils of all types, sand, gravel, soft murum including shoring and strutting as necessary and disposing off excavated stuff as directed etc. complete. Upto 1.50m lift Normal Rate....(INo12-02A , PgNo 84) (STATE SSR)Item Spec: (BR.3 Page No. 102)	120.960	239.00/Cu.M t.	28,909.45
ITEM NO. : 2 Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layers including watering and compacting etc. complete.....(INo21-36 , PgNo 157) (STATE SSR)Item Spec: (Bd.A.10 Page No. 262)	567.000	120.00/Cu.M t.	68,040.00
ITEM NO. : 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, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (85.968	6457.00/Cu. Mt.	555,095.40

Description	Quantity	Rate/Unit	Amount
<p>Crushed sand VSI Grade finely washed etc)....(INo24-01, PgNo 175) (STATE SSR)Item Spec: (Bd. E. 1 Page No. 287) RA NO. : 1</p>			
<p>ITEM NO. : 4 Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic 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 finely washed etc)....(INo25-11, PgNo 178) (STATE SSR)Item Spec: (Bd.F.3 Page No. 298 and B.7, Page No.38) RA NO. : 2</p>	25.920	7717.75/Cu. Mt.	200,044.10
<p>ITEM NO. : 5 Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC WITHOUT SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant</p>	109.002	7603.75/Cu. Mt.	828,823.95

Description	Quantity	Rate/Unit	Amount
<p>(Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade finely washed)....(INo25-11 NS, PgNo 178) (STATE SSR)Item Spec: (Bd.F.3 Page No. 298 and B.7, Page No.38) RA NO. : 3</p>			
<p>ITEM NO. : 6 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.....(INo26-33, PgNo 188) (STATE SSR)Item Spec: (Bd.F.17, Page No. 306) RA NO. : 4</p>	23.579	90025.05/M.2,122,700.65 T.	157,992.25
<p>ITEM NO. : 7 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually , striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete.....(INo27-01, PgNo 197) (STATE SSR)Item Spec: (Bd.G. 1 Page No. 313) RA NO. : 5</p>	18.734	8433.45/Cu. Mt.	157,992.25
<p>ITEM NO. : 8 Providing second class Burnt 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....(INo27-05, PgNo</p>	2.230	8672.45/Cu. Mt.	19,339.55

Description	Quantity	Rate/Unit	Amount
<p>197) (STATE SSR)Item Spec: (Bd.G.5 Page No. 315) RA NO. : 6</p>			
<p>ITEM NO. : 9 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.....(INo32-11, PgNo 209) (STATE SSR)Item Spec: (Bd.L.7 Page No. 369) RA NO. : 7</p>	843.030	655.10/Sq.Mt	552,268.95
<p>ITEM NO. : 10 Providing internal cement plaster 6 mm thick in a single coat in cement mortar 1:4 without neeru finish to concrete surface in all positions including scaffolding and curing etc. complete.....(INo32-01, PgNo 209) (STATE SSR)Item Spec: (Bd.L.1 Page No. 367) RA NO. : 8</p>	841.010	206.65/Sq.Mt	173,794.70
<p>ITEM NO. : 11 Providing & applying washable oil-bound distemper of approved colour and shade to old & new surfaces in two coats including scaffolding, preparing the surfaces. (excluding the primer coat.) etc. complete.....(INo36-11 , PgNo 227) (STATE SSR)Item Spec: (Bd.P.5 Page No. 413)</p>	791.000	48.00/Sq.Mt.	37,968.00

Description	Quantity	Rate/Unit	Amount
<p>ITEM NO. : 12 Providing and applying colour-wash of approved colour and shade in one coat to new surface including scaffolding, brushing and brooming down (excluding base coats of white wash) etc. complete.....(INo36-04 , PgNo 227) (STATE SSR)Item Spec: (Bd. P.2 Page No. 412)</p>	792.000	10.00/Sq.Mt.	7,920.00
<p>ITEM NO. : 13 Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted /welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete.....(INo23-01, PgNo 173) (STATE SSR)Item Spec: (Bd.C.2 Page No. 275)</p> <p>RA NO. : 9</p>	2.520	102166.05/M .T.	257,458.45
<p>ITEM NO. : 14 Providing and fabricating structural steel work in rolled sections, fixed with connecting plates or angle cleats in main and cross beams, hip and jack rafters, purlins connecting to truss members and the like, as per detailed designs and drawing or as directed including cutting, fabricating, hoisting, erecting, fixing in position, making riveted/ bolted/ welded connections and one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete.....(INo23-02, PgNo 173) (STATE SSR)Item Spec: (Bd.C.3 Page No. 275)</p> <p>RA NO. : 10</p>	3.486	98081.05/M. T.	341,910.55

Description	Quantity	Rate/Unit	Amount
<p>ITEM NO. : 15</p> <p>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.....(INo23-04, PgNo 173) (STATE SSR)Item Spec: (Bd.C.8 Page No. 278)</p> <p>RA NO. : 11</p>	2.160	119781.05/M .T.	258,727.10
<p>ITEM NO. : 16</p> <p>Providing and fixing plain zinc sheeting of 0.80 mm thick (22 B.W.G.) over the ridge hip or valley to galvanized iron sheet roofing including all fastening and bolt galvanised iron screws and bolts, lead and bitumen washers etc. complete.(Weight of 6.8 kg/sq.m.).....(INo38-05 , PgNo 233) (STATE SSR)Item Spec: (Bd.R.5, Page No. 453)</p>	802.400	1139.00/Sq. Mt.	913,933.60
<p>ITEM NO. : 17</p> <p>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</p>	32.000	5308.00/Sq. Mt.	169,856.00

Description	Quantity	Rate/Unit	Amount
<p>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) (With mechanical gear)....(INo39-25 , PgNo 249) (STATE SSR)Item Spec: (Bd.T.55, Page No. 510)</p>			
<p>ITEM NO. : 18 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade finely washed etc)....(INo25-50, PgNo 181) (STATE SSR)Item Spec: (Bd.F.6 Page No. 300 and B.7, Page No.38)</p>	148.627	12882.75/Cu.	1,914,724.50 Mt.
<p>RA NO. : 12</p>			
<p>ITEM NO. : 19 Providing and fixing steel window of various sizes as per detailed drawing without hot dip zinc coating, without ventilators, including fabricating / glazing with plain / obscured glass panels of approved type and quality, iron oxidised fixtures and fastenings, finishing with oil painting two coats complete (with guard bars 12 mm square at 10 cm c/c.)....(INo39-20 , PgNo 247) (STATE SSR)Item Spec: (Bd-T-53, Page No. 509)</p>	32.400	4874.00/Sq.	157,917.60 Mt.

Description	Quantity	Rate/Unit	Amount
ITEM NO. : 20 Turbo Ventilator 24"(INo42-42 , PgNo 672) (STATE SSR)Item Spec: (ADDITIONAL ITEM)	10.000	9702.00/No.	97,020.00

TOTAL AMOUNT FOR SUB WORK NO. 1

8,864,444.80

**Rupees Eighty Eight Lakh Sixty Four Thousand Four
Hundred And Forty Four And Paise Eighty Only**

ENGINEER



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Name of Work : PROPOSED CONSTRUCTION OF WHEAT FLOUR UNIT , RAWA MAIDA UNIT , GRAIN PACKAGING UNIT .FOR GARUDPANKH FOODGRAINS PRODUCER COMAPNY LIMITED ON SURVEY NO 145 AT KAKADSHIVANI POST KHERDA TQ KARANJA DIST WASHIM

Description	Quantity	Rate/Unit	Amount
NAME OF SUB WORK -- Testing Charges Estimate			
ITEM NO. : 1 Standard Consistency Fineness, Specific Gravity, Setting Time (Initial & Final), Compressive Strength, Soundness....(INo1-VQC , PgNo 584) (STATE SSR)Item Spec: (As per Standard Specification)	1.000	3770.00/1 Test	3,770.00
ITEM NO. : 2 BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity.Impact Value Crushing Value.....(INo2-VQC , PgNo 584) (STATE SSR)Item Spec: (As per Standard Specification)	1.000	2600.00/1 Test	2,600.00
ITEM NO. : 3 FINE AGGREGATES. Fineness Modulus (Sieve Analysis), Silt & Clay Content(INo10-VQC , PgNo 584) (STATE SSR)Item Spec: (As per Standard Specification)	2.000	1380.00/1 Test	2,760.00
ITEM NO. : 4 BRICKS Water Absorption (Set of 5 Bricks), Compressive Strength(Set of 5 Bricks), Efflorescence (Set of 5 Bricks).....(INo13-VQC , PgNo 584) (STATE SSR)Item Spec: (As per Standard Specification)	1.000	2175.00/1 Test	2,175.00
ITEM NO. : 5	6.000	13755.00/1	82,530.00

Description	Quantity	Rate/Unit	Amount
CONCRETE Concrete Mix Design (With all Tests on basic materials)...(INo20-VQC , PgNo 584) (STATE SSR)Item Spec: (As per Standard Specification)		Test	
ITEM NO. : 6 SOIL / MURUM Sieve Analysis.....(INo29-VQC , PgNo 585) (STATE SSR)Item Spec: (As per Standard Specification)	2.000	690.00/1 Test	1,380.00
ITEM NO. : 7 STEEL BAR TESTING Upto 16 mm (Set of 3 Bars)...(INo72-VQC , PgNo 586) (STATE SSR)Item Spec: (As per Standard Specification)	4.000	1275.00/1 Test	5,100.00
TOTAL AMOUNT FOR SUB WORK NO. 1 Rupees One Lakh Three Hundred And Fifteen Only			100,315.00

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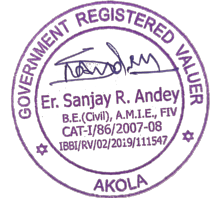
ROYALTY STATEMENT

SR NO	ITEM	RATE	QUANTITY	UNIT	AMOUNT
1	SAND	237.37	155.441	CUM	36901.7
2	MURUM,80MM,40MM	216.18	567	CUM	122585
	TOTAL		722.441		1,59,487.00

ELECTRIFICATION CHARGES

Sr No	Particulars	Unit	Qty	Supply Rate	Supply Amount	Labour Rate	Labour Amount	Total Amount
1	Supplying & Fixing of 200 Amps L&T make SFU	NOS	1	13650	13650	1400	1400	15050
2	Supplying & Fixing of 200 Amps BUSBAR	NOS	1	6550	6550	800	800	7350
3	Supply & Fixing of 100 Amps Main Switch for each Building L & T Make	NOS	2	8100	16200	900	1800	18000
4	Supply & Fixing of 63 Amps 30 ma 4Pole ELCB for each Bulding	NOS	2	2460	4920	450	900	5820
5	Supply & Fixing of 4 pole powder coated box for ELCB 10 X 5 inch	NOS	4	350	1400	100	400	1800
6	Supply & Laying of 120 Sq. mm x 3.5 core aluminum armoured cable POLYCAB MAKE	MTRS.	38	775	29450	100	3800	33250
7	Supply & Laying of 95 Sq. mm x 3.5 core aluminum armoured cable POLYCAB MAKE	MTRS.	76	590	44840	90	6840	51680
8	Supply & Laying of 4 Sq. mm x 4 core aluminum armoured cable POLYCAB MAKE	MTRS.	342	210	71820	60	20520	92340
9	Supply & Fixing of 5/15 Amps Switch Socket combined Box with connection.	NOS	10	625	6250	90	900	7150
10	Termination for the same for 120s.q. mm x 35 Sq. mm aluminum armoured cable	NOS	4	1050	4200	310	1240	5440
11	Termination for the same for 95s.q. mm x 35 Sq. mm aluminum armoured cable	NOS	10	450	4500	310	3100	7600
12	Termination for the same for 4 x 4 S.q. mm. aluminum armoured cable	NOS	10	325	3250	100	1000	4250
13	100 Amp Bus Bar	NOS	2	3650	7300	1000	2000	9300
14	M.S Angle Bracket for Cable laying from Bldg to Bldg	NOS	30	350	10500	140	4200	14700
								₹ 2,73,730.00

Note :- Taxes Extra as Applicable



Measurement Sheet

Name of Work **PROPOSED CONSTRUCTION OF WHEAT FLOUR UNIT , RAWA MAIDA UNIT , GRAIN PACKAGING UNIT .FOR GARUDPANKH FOODGRAINS PRODUCER COMAPNY LIMITED ON SURVEY NO 145 AT KAKADSHIVANI POST KHERDA TQ KARANJA DIST WASHIM**

SSR YEAR **2022-2023**

Item No. & Description	Measuremen				Quantity
	No.	L.	B.	D.	
1 . NAME OF SUB WORK -- CONSTRUCTION OF PROCESSING UNIT (WHEAT FLOUR , RAWA MAIDA UNIT , GRAIN PACKAGING UNIT)					
ITEM NO. : 1 Excavation for foundation by mechanical means in earth, soils of all types, sand, gravel, soft murum including shoring and strutting as necessary and disposing off excavated stuff as directed etc. co..... (INo12-02A, PgNo 84) (STATE DSR)					
	60	1.2	1.2	1.4	120.960
	0				0.000
	Total Quantity				120.960 Cu.Mt.
ITEM NO. : 2 Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layers including watering and compacting etc. complete..... (INo21-36, PgNo 157) (STATE DSR)					
	1	22.5	28	0.90	567.000
	Total Quantity				567.000 Cu.Mt.
ITEM NO. : 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, Steel centering, formwork, laying/..... (INo24-01, PgNo 175) (STATE DSR)					
	60	1.2	1.2	0.12	10.368
	1	28	22.5	0.12	75.600
	0				0.000
	Total Quantity				85.968 Cu.Mt.
ITEM NO. : 4 Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. col..... (INo25-11, PgNo 178) (STATE DSR)					

Item No. & Description	Measuremen			Quantity
	No.	L.	B. D.	
	60	1.2	1.2*0.30	25.920
	0			0.000
	Total Quantity			25.920 Cu.Mt.

ITEM NO. : 5 Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. col..... (INo25-11 NS, PgNo 178) (STATE DSR)

COLUMNS	46	0.23	0.23*10	24.334
	14	0.23	0.23*2.9	2.148
RCC WALLS	1	51	0.12*10	61.200
	1	41	0.12*10	49.200
DEDUCTION	-1	4	4	-16.000
	-11	1.80	0.60	-11.880
	0			0.000
	Total Quantity			109.002 Cu.Mt.

ITEM NO. : 6 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 (INo26-33, PgNo 188) (STATE DSR)

	1	0.80/100	25.92*7.2	1.493
	1	1.20/100	107*7.2	9.245
	1	1.20/100	148.62*7.2	12.841
	Total Quantity			23.579 M.T.

ITEM NO. : 7 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manua..... (INo27-01, PgNo 197) (STATE DSR)

	1	51	0.23*0.90	10.557
	1	39.5	0.23*0.90	8.177
	Total Quantity			18.734 Cu.Mt.

Item No. & Description	Measuremen No. L. B. D.	Quantity
ITEM NO. : 8 Providing second class Burnt 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. Comple..... (INo27-05, PgNo 197) (STATE DSR)		
	1*28*0.23*2.9	18.676
	1*22*0.23*2.9	14.674
DEDUCTION	-1*4*4	-16.000
	-14*1.80*0.60	-15.120
	Total Quantity	2.230 Cu.Mt.
ITEM NO. : 9 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..... (INo32-11, PgNo 209) (STATE DSR)		
	1*28*10	280.000
	1*45*10	450.000
	1*28*2.94	82.320
	1*22.5*2.94	66.150
DEDUCTION	-1*4*4	-16.000
	-11*1.80*0.60	-11.880
	-7*1.80*0.60	-7.560
	Total Quantity	843.030 Sq.Mt.
ITEM NO. : 10 Providing internal cement plaster 6 mm thick in a single coat in cement mortar 1:4 without neeru finish to concrete surface in all positions including scaffolding and curing etc. complete..... (INo32-01, PgNo 209) (STATE DSR)		
	1*28*10	280.000
	1*45*10	450.000
	1*28*2.9	81.200
	1*22.5*2.9	65.250
DEDUCTION	-1*4*4	-16.000
	-11*1.80*0.60	-11.880

Item No. & Description	Measuremen			Quantity
	No.	L.	B. D.	
	-7*	1.80*	0.60	-7.560
	Total Quantity			841.010 Sq.Mt.

ITEM NO. : 11 Providing & applying washable oil-bound distemper of approved colour and shade to old & new surfaces in two coats including scaffolding, preparing the surfaces. (excluding the primer coat.) etc. compl..... (INo36-11, PgNo 227) (STATE DSR)

791	791.000
0	0.000
Total Quantity	791.000 Sq.Mt.

ITEM NO. : 12 Providing and applying colour-wash of approved colour and shade in one coat to new surface including scaffolding, brushing and brooming down (excluding base coats of white wash) etc. complete..... (INo36-04, PgNo 227) (STATE DSR)

792	792.000
0	0.000
Total Quantity	792.000 Sq.Mt.

ITEM NO. : 13 Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting,..... (INo23-01, PgNo 173) (STATE DSR)

PLANT 1	10*14*9/1000	1.260
PLANT 2	10*14*9/1000	1.260
Total Quantity		2.520 M.T.

ITEM NO. : 14 Providing and fabricating structural steel work in rolled sections, fixed with connecting plates or angle cleats in main and cross beams, hip and jack rafters, purlins connecting to truss members and (INo23-02, PgNo 173) (STATE DSR)

FOR PLANT 1	10*14*4.8/1000	0.672
	10*14*4.8/1000	0.672
	64*1.30*4.8/1000	0.399

Item No. & Description	Measuremen			Quantity
	No.	L.	B. D.	
FOR PLANT 2	10*14*4.8/1000			0.672
	10*14*4.8/1000			0.672
	64*1.30*4.8/1000			0.399
	Total Quantity			3.486 M.T.

ITEM NO. : 15 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, fabric..... (INo23-04, PgNo 173) (STATE DSR)

PLANT 1	10*22.5*4.8/1000			1.080
PLANT 2	10*22.5*4.8/1000			1.080
	Total Quantity			2.160 M.T.

ITEM NO. : 16 Providing and fixing plain zinc sheeting of 0.80 mm thick (22 B.W.G.) over the ridge hip or valley to galvanized iron sheet roofing including all fastening and bolt galvanised iron screws and bolts, l..... (INo38-05, PgNo 233) (STATE DSR)

PLANT 1	2*22.5*6.80			306.000
	1*14*6.80			95.200
PLANT 2	2*22.5*6.80			306.000
	1*14*6.80			95.200
	Total Quantity			802.400 Sq.Mt.

ITEM NO. : 17 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..... (INo39-25, PgNo 249) (STATE DSR)

	2*4*4			32.000
	Total Quantity			32.000 Sq.Mt.

ITEM NO. : 18 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including s..... (INo25-50, PgNo 181) (STATE DSR)

Item No. & Description	Measuremen			Quantity
	No.	L.	B. D.	
BEAM 1	1	56	0.23*0.38	4.894
BEAM 2	1	45	0.23*0.38	3.933
SLAB 1	1	28	22.5*0.12	75.600
SLAB 2	1	28	22.5*0.12	75.600
DEDUCTION	-2	3.5	7.5*0.12	-6.300
MACHINARY SPACE	-2	3.5	4.5*0.12	-3.780
STEPS	-2	2.2	2.5*0.12	-1.320
	Total Quantity			148.627 Cu.Mt.

ITEM NO. : 19 Providing and fixing steel window of various sizes as per detailed drawing without hot dip zinc coating, without ventilators, including fabricating / glazing with plain / obscured glass panels of appr..... (INo39-20, PgNo 247) (STATE DSR)

PLANT 1	18	1.80	0.60	19.440
PLANT 2	12	1.80	0.60	12.960
	Total Quantity			32.400 Sq.Mt.

ITEM NO. : 20 Turbo Ventilator 24"..... (INo42-42, PgNo 672) (STATE DSR)

	10			10.000
	Total Quantity			10.000 No.

ENGINEER

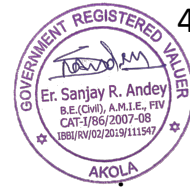
Measurement Sheet

Name of Work **PROPOSED CONSTRUCTION OF WHEAT FLOUR UNIT , RAWA MAIDA UNIT , GRAIN PACKAGING UNIT .FOR GARUDPANKH FOODGRAINS PRODUCER COMAPNY LIMITED ON SURVEY NO 145 AT KAKADSHIVANI POST KHERDA TQ KARANJA DIST WASHIM**

SSR YEAR **2022-2023**

Item No. & Description	Measuremen				Quantity
	No.	L.	B.	D.	
1 . NAME OF SUB WORK -- Testing Charges Estimate					
ITEM NO. : 1 Standard Consistency Fineness, Specific Gravity, Setting Time (Initial & Final), Compressive Strength, Soundness..... (INo1-VQC, PgNo 584) (STATE DSR)					
	1				1.000
	Total Quantity				1.000 1 Test
ITEM NO. : 2 BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity.Impact Value Crushing Value..... (INo2-VQC, PgNo 584) (STATE DSR)					
	1				1.000
	Total Quantity				1.000 1 Test
ITEM NO. : 3 FINE AGGREGATES. Fineness Modulus (Sieve Analysis), Silt & Clay Content (INo10-VQC, PgNo 584) (STATE DSR)					
	2				2.000
	Total Quantity				2.000 1 Test
ITEM NO. : 4 BRICKS Water Absorption (Set of 5 Bricks), Compressive Strength(Set of 5 Bricks), Efflorescence (Set of 5 Bricks)..... (INo13-VQC, PgNo 584) (STATE DSR)					
	1				1.000
	Total Quantity				1.000 1 Test
ITEM NO. : 5 CONCRETE Concrete Mix Design (With all Tests on basic materials)..... (INo20-VQC, PgNo 584) (STATE DSR)					
	6				6.000
	Total Quantity				6.000 1 Test

Item No. & Description	Measuremen No. L. B. D.	Quantity
ITEM NO. : 6 SOIL / MURUM Sieve Analysis..... (INo29-VQC, PgNo 585) (STATE DSR)	2	2.000
	Total Quantity	2.000 1 Test
ITEM NO. : 7 STEEL BAR TESTING Upto 16 mm (Set of 3 Bars)..... (INo72-VQC, PgNo 586) (STATE DSR)	4	4.000
	Total Quantity	4.000 1 Test



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Rate Analysis Report

Name of Work: PROPOSED CONSTRUCTION OF WHEAT FLOUR UNIT , RAWA MAIDA UNIT , GRAIN PACKAGING UNIT .FOR GARUDPANKH FOODGRAINS PRODUCER COMAPNY LIMITED ON SURVEY NO 145 AT KAKADSHIVANI POST KHERDA TQ KARANJA DIST WASHIM

SSR YEAR 2022-2023

R.A. NO. : 1 - 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, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade finely washed etc)

INo24-01, PgNo 175 (STATE DSR)	Basic Rate.....	5830.00 / Cu.Mt.		
Add For Lead Charges	Qty. / Unit	Distance	Lead Charge	
CEMENT	0.22 / M.T.	10 Km.	Rs.235.34	Rs.51.77
VSI / Natural Sand	0.47 / Cu.Mt.	14 Km.	Rs.397.93	Rs.187.03
Crush Metal -40mm	0.7 / Cu.Mt.	16 Km.	Rs.408.43	Rs.285.90
Crush Metal -20mm	0.24 / Cu.Mt.	16 Km.	Rs.426.19	Rs.102.29

Sub Total				Rs. 6456.99

Total Amount				Rs. 6456.99

Rate				Rs. 6457.00 / Cu.Mt.

R.A. NO. : 2 - Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic 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 finely washed etc)

INo25-11, PgNo 178 (STATE DSR)	Basic Rate.....	7104.00 /
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Cu.Mt.

Add For Lead Charges	Qty. / Unit	Distance	Lead Charge	
CEMENT	0.35 / M.T.	10 Km.	Rs.235.34	Rs.82.37
VSI / Natural Sand	0.425 / Cu.Mt.	14 Km.	Rs.397.93	Rs.169.12
Crush Metal -20mm	0.57 / Cu.Mt.	16 Km.	Rs.426.19	Rs.242.93
Crush Metal -12mm	0.28 / Cu.Mt.	16 Km.	Rs.426.19	Rs.119.33
Sub Total				Rs. 7717.75
Total Amount				Rs. 7717.75
Rate				Rs. 7717.75 / Cu.Mt.

R.A. NO. : 3 - Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC WITHOUT SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade finely washed)

INo25-11 NS, PgNo 178 (STATE DSR)		Basic Rate.....	6978.00 / Cu.Mt.	
Add For Lead Charges	Qty. / Unit	Distance	Lead Charge	
CEMENT	0.35 / M.T.	10 Km.	Rs.235.34	Rs.82.37
Crush Sand	0.425 / Cu.Mt.	16 Km.	Rs.426.19	Rs.181.13
Crush Metal -20mm	0.57 / Cu.Mt.	16 Km.	Rs.426.19	Rs.242.93
Crush Metal -12mm	0.28 / Cu.Mt.	16 Km.	Rs.426.19	Rs.119.33
Sub Total				Rs. 7603.76
Total Amount				Rs. 7603.76
Rate				Rs. 7603.75 / Cu.Mt.

R.A. NO. : 4 - 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.

INo26-33, PgNo 188 (STATE DSR)	Basic Rate.....	89703.00 / M.T.
Add For Lead Charges	Qty. / Unit	Distance
TMT BAR	1 / M.T.	18 Km.
		Rs.322.03
		Rs.322.03

Sub Total		Rs. 90025.03

Total Amount		Rs. 90025.03

Rate		Rs. 90025.05 / M.T.

R.A. NO. : 5 - Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually , striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete.

INo27-01, PgNo 197 (STATE DSR)	Basic Rate.....	7755.00 / Cu.Mt.
Add For Lead Charges	Qty. / Unit	Distance
CEMENT	0.079 / M.T.	10 Km.
VSI / Natural Sand	0.32 / Cu.Mt.	14 Km.
BRICK	0.475 / 1000 Nos.	20 Km.
		Rs.235.34
		Rs.127.34
		Rs.1,121.12
		Rs.532.53

Sub Total		Rs. 8433.46

Total Amount		Rs. 8433.46

Rate		Rs. 8433.45 / Cu.Mt.

R.A. NO. : 6 - Providing second class Burnt 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

INo27-05, PgNo 197 (STATE DSR)	Basic Rate.....	7994.00 / Cu.Mt.
Add For Lead Charges	Qty. / Unit	Distance
CEMENT	0.079 / M.T.	10 Km.
		Rs.235.34
		Rs.18.59

VSI / Natural Sand	0.32 / Cu.Mt.	14 Km.	Rs.397.93	Rs.127.34
BRICK	0.475 / 1000 Nos.	20 Km.	Rs.1,121.12	Rs.532.53

Sub Total Rs. 8672.46

Total Amount Rs. 8672.46

Rate Rs. 8672.45 /
Cu.Mt.

R.A. NO. : 7 - 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.

INo32-11, PgNo 209 (STATE DSR)		Basic Rate.....		639.00 / Sq.Mt.
Add For Lead Charges	Qty. / Unit	Distance	Lead Charge	
CEMENT	0.0125 / M.T.	10 Km.	Rs.235.34	Rs.2.94
VSI / Natural Sand	0.033 / Cu.Mt.	14 Km.	Rs.397.93	Rs.13.13

Sub Total Rs. 655.07

Total Amount Rs. 655.07

Rate Rs. 655.10 /
Sq.Mt.

R.A. NO. : 8 - Providing internal cement plaster 6 mm thick in a single coat in cement mortar 1:4 without neeru finish to concrete surface in all positions including scaffolding and curing etc. complete.

INo32-01, PgNo 209 (STATE DSR)		Basic Rate.....		203.00 / Sq.Mt.
Add For Lead Charges	Qty. / Unit	Distance	Lead Charge	
CEMENT	0.0027 / M.T.	10 Km.	Rs.235.34	Rs.0.64
VSI / Natural Sand	0.0076 / Cu.Mt.	14 Km.	Rs.397.93	Rs.3.02

Sub Total Rs. 206.66

Total Amount	Rs. 206.66

Rate	Rs. 206.65 / Sq.Mt.

R.A. NO. : 9 - Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted /welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete.

INo23-01, PgNo 173 (STATE DSR)	Basic Rate.....	101844.00 / M.T.		
Add For Lead Charges	Qty. / Unit	Distance	Lead Charge	
STR STEEL	1 / M.T.	18 Km.	Rs.322.03	Rs.322.03

Sub Total				Rs. 102166.03

Total Amount				Rs. 102166.03

Rate				Rs. 102166.05 / M.T.

R.A. NO. : 10 - Providing and fabricating structural steel work in rolled sections, fixed with connecting plates or angle cleats in main and cross beams, hip and jack rafters, purlins connecting to truss members and the like, as per detailed designs and drawing or as directed including cutting, fabricating, hoisting, erecting, fixing in position, making riveted/ bolted/ welded connections and one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete.

INo23-02, PgNo 173 (STATE DSR)	Basic Rate.....	97759.00 / M.T.		
Add For Lead Charges	Qty. / Unit	Distance	Lead Charge	
STR STEEL	1 / M.T.	18 Km.	Rs.322.03	Rs.322.03

Sub Total				Rs. 98081.03

Total Amount				Rs. 98081.03

Rate				Rs. 98081.05 / M.T.

R.A. NO. : 11 - 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.

INo23-04, PgNo 173 (STATE DSR)		Basic Rate.....	119459.00 / M.T.	
Add For Lead Charges	Qty. / Unit	Distance	Lead Charge	
STR STEEL	1 / M.T.	18 Km.	Rs.322.03	Rs.322.03

Sub Total				Rs. 119781.03

Total Amount				Rs. 119781.03

Rate				Rs. 119781.05 / M.T.

R.A. NO. : 12 - Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade finely washed etc)

INo25-50, PgNo 181 (STATE DSR)		Basic Rate.....	12269.00 / Cu.Mt.	
Add For Lead Charges	Qty. / Unit	Distance	Lead Charge	
CEMENT	0.35 / M.T.	10 Km.	Rs.235.34	Rs.82.37
VSI / Natural Sand	0.425 / Cu.Mt.	14 Km.	Rs.397.93	Rs.169.12
Crush Metal -20mm	0.57 / Cu.Mt.	16 Km.	Rs.426.19	Rs.242.93
Crush Metal -12mm	0.28 / Cu.Mt.	16 Km.	Rs.426.19	Rs.119.33

Sub Total				Rs. 12882.75

Total Amount				Rs. 12882.75

Rate				Rs. 12882.75 / Cu.Mt.

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Lead Statement

Name of Work PROPOSED CONSTRUCTION OF WHEAT FLOUR UNIT , RAWA MAIDA UNIT , GRAIN PACKAGING UNIT .FOR GARUDPANKH FOODGRAINS PRODUCER COMAPNY LIMITED ON SURVEY NO 145 AT KAKADSHIVANI POST KHERDA TQ KARANJA DIST WASHIM

Material	Lead Distance (in Km.)	Total Lead Charges (In Rs.)	Initial Lead (5 (In Rs.)	Net Lead (In Rs.)
STATE REGION DSR				
1 CEMENT	10 Km.	235.34		70.35
2 VSI / Natural Sand	14 Km.	397.93		134.74
3 BRICK	20 Km.	1121.12		589.74
4 Crush Metal -40mm	16 Km.	408.43		156.21
5 Crush Metal -20mm	16 Km.	426.19		163.00
6 Crush Metal -12mm	16 Km.	426.19		163.00
7 Crush Metal -10mm	16 Km.	426.19		163.00
8 STR STEEL	18 Km.	322.03		157.04
9 TMT BAR	18 Km.	322.03		157.04
10 Crush Sand	16 Km.	426.19		163.00

Certified that the quarries considered in the lead statement are the nearest and that sufficient quantity of good quality material is available.

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MATERIAL CONSUMPTION STATEMENT

Name of Work **PROPOSED CONSTRUCTION OF WHEAT FLOUR UNIT , RAWA MAIDA UNIT , GRAIN PACKAGING UNIT .FOR GARUDPANKH FOODGRAINS PRODUCER COMAPNY LIMITED ON SURVEY NO 145 AT KAKADSHIVANI POST KHERDA TQ KARANJA DIST WASHIM**

Sr. No.	Sub Work No / Item	Material / Item Description	Qty.	Rate of Consumption	Qty of Consumption
CEMENT					
1		Providing and laying Cast in situ/Ready Mix cemen	85.968	0.220	18.913
2		Providing and laying in situ /Ready Mix cement co	25.920	0.350	9.072
3		Providing and laying Cast in situ/Ready Mix cemen	148.627	0.350	52.019
4		Providing second class Burnt Brick masonry with c	18.734	0.079	1.480
5		Providing second class Burnt Brick masonry with c	2.230	0.079	0.176
6		Providing internal cement plaster 6 mm thick in a	841.010	0.003	2.271
7		Providing sand faced plaster externally in cement	843.030	0.013	10.538
8		Providing and laying in situ /Ready Mix cement co	109.002	0.350	38.151
TOTAL ESTIMATED CONSUMPTION OF CEMENT					132.620 M.T.

VSI / Natural Sand					
1		Providing and laying Cast in situ/Ready Mix cemen	85.968	0.470	40.405
2		Providing and laying in situ /Ready Mix cement co	25.920	0.425	11.016
3		Providing and laying Cast in situ/Ready Mix cemen	148.627	0.425	63.166
4		Providing second class Burnt Brick masonry with c	18.734	0.320	5.995
5		Providing second class Burnt Brick masonry with c	2.230	0.320	0.714
6		Providing internal cement plaster 6 mm thick in a	841.010	0.008	6.392
7		Providing sand faced plaster externally in cement	843.030	0.033	27.820

Sr. No.	Sub Work No. / Item	Material / Item Description	Qty.	Rate of Consumption	Qty of Consumption
		TOTAL ESTIMATED CONSUMPTION OF VSI / Natural Sand			155.508 Cu.Mt.

		BRICK			
1		Providing second class Burnt Brick masonry with c	18.734	0.475	8.899
2		Providing second class Burnt Brick masonry with c	2.230	0.475	1.059
		TOTAL ESTIMATED CONSUMPTION OF BRICK			9.958 1000 Nos.

		Crush Metal -40mm			
1		Providing and laying Cast in situ/Ready Mix cemen	85.968	0.700	60.178
		TOTAL ESTIMATED CONSUMPTION OF Crush Metal -40mm			60.178 Cu.Mt.

		Crush Metal -20mm			
1		Providing and laying Cast in situ/Ready Mix cemen	85.968	0.240	20.632
2		Providing and laying in situ /Ready Mix cement co	25.920	0.570	14.774
3		Providing and laying Cast in situ/Ready Mix cemen	148.627	0.570	84.717
4		Providing and laying in situ /Ready Mix cement co	109.002	0.570	62.131
		TOTAL ESTIMATED CONSUMPTION OF Crush Metal -20mm			182.255 Cu.Mt.

		Crush Metal -12mm			
1		Providing and laying in situ /Ready Mix cement co	25.920	0.280	7.258
2		Providing and laying Cast in situ/Ready Mix cemen	148.627	0.280	41.616
3		Providing and laying in situ /Ready Mix cement co	109.002	0.280	30.521
		TOTAL ESTIMATED CONSUMPTION OF Crush Metal -12mm			79.394 Cu.Mt.

Sr. No	Sub Work No / Item	Material / Item Description	Qty.	Rate of Consumption	Qty of Consumption

		Crush Metal -10mm			
		TOTAL ESTIMATED CONSUMPTION OF Crush Metal -10mm			0.000 Cu.Mt.

		STR STEEL			
1		Providing and fabricating structural steel work i	2.520	1.000	2.520
2		Providing and fabricating structural steel work i	3.486	1.000	3.486
3		Providing structural steel work in trusses, other	2.160	1.000	2.160
		TOTAL ESTIMATED CONSUMPTION OF STR STEEL			8.166 M.T.

		TMT BAR			
1		Providing and fixing in position TMT - FE - 500 b	23.579	1.000	23.579
		TOTAL ESTIMATED CONSUMPTION OF TMT BAR			23.579 M.T.

		Crush Sand			
1		Providing and laying in situ /Ready Mix cement co	109.002	0.425	46.326
		TOTAL ESTIMATED CONSUMPTION OF Crush Sand			46.326 Cu.Mt.



Name of Work PROPOSED CONSTRUCTION OF WHEAT FLOUR UNIT , RAWA MAIDA UNIT , GRAIN PACKAGING UNIT
 .FOR GARUDPANKH FOODGRAINS PRODUCER COMAPNY LIMITED ON SURVEY NO 145 AT
 KAKADSHIVANI POST KHERDA TQ KARANJA DIST WASHIM

SCHEDULE - " A "

Schedule showing (approximately) the materials to be supplied from Public Works Divisional Stores for work contracted to be executed and Preliminary and Ancillary works and the rates at which they are to be charged for.....

Sr. No.	Material Description	Quantity	Unit	Rate at which material will be charged to Contrator		Place of Delivery
				In figure	In Words	
1	2	3	4	5	6	7

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Contractor

No of Corrections

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Executive Engineer

Name of Work **PROPOSED CONSTRUCTION OF WHEAT FLOUR UNIT , RAWA MAIDA UNIT , GRAIN PACKAGING UNIT .FOR GARUDPANKH FOODGRAINS PRODUCER COMAPNY LIMITED ON SURVEY NO 145 AT KAKADSHIVANI POST KHERDA TQ KARANJA DIST WASHIM**

Schedule - "B & C"

Memorandum showing the Item of Work to be carried out by Contractor..

Quantity	Item Description	Estimated Rates		Unit	Total Amount according to estimated quantities	Specification	Add. Spec.
		In Fig.	In Words				
1	2	3	4	5	6	7	8
120.960	Item No. 1: Excavation for Cubic Meter foundation by mechanical means in earth, soils of all types, sand, gravel, soft murum including shoring and strutting as necessary and disposing off excavated stuff as directed etc. complete. Upto 1.50m lift Normal Rate	239.00	Rupees Two Hundred Thirty Nine Only	One Cubic Meter	28909.45	BR.3 Page No. 102	
567.000	Item No. 2: Filling in plinth and Cubic Meter floors with approved excavated material in 15cm. to 20cm. layers including watering and compacting	120.00	Rupees One Hundred Twenty Only	One Cubic Meter	68040.00	Bd.A.10 Page No. 262	

Contractor

No of Corrections

Executive Engineer

etc. complete.

85.968	Item No. 3: Providing and laying Cubic Meter Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and 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 (Crushed sand VSI Grade finely washed etc)	6457.00	Rupees Six Thousand Four Hundred Fifty Seven Only	One Cubic Meter	555095.40	Bd. E. 1 Page No. 287
25.920	Item No. 4: Providing and laying in Cubic Meter situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/	7717.75	Rupees Seven Thousand Seven Hundred Seventeen	One Cubic Meter	200044.10	Bd.F.3 Page No. 298 and B.7, Page

Contractor

No of Corrections

Executive Engineer

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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, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic 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 finely washed etc)

And Paise Seventy
Five Only

No.38

109.002 Item No. 5: Providing and laying in Cubic Meter situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip

7603.75 Rupees Seven
Thousand Six
Hundred Three And
Paise Seventy Five
Only

One
Cubic
Meter

828823.95

Bd.F.3 Page
No. 298 and
B.7, Page
No.38

Contractor

No of Corrections

Executive Engineer

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foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC WITHOUT SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade finely washed)

23.579 Metric Tonne	Item No. 6: 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,	90025.05	Rupees Ninty Thousand Twenty Five And Paise Five Only	One Metric Tonne	2122700.65	Bd.F.17, Page No. 306
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Contractor

No of Corrections

Executive Engineer

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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.

18.734	Item No. 7: Providing second class Cubic Meter Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually , striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete.	8433.45	Rupees Eight Thousand Four Hundred Thirty Three And Paise Forty Five Only	One Cubic Meter	157992.25	Bd.G. 1 Page No. 313
2.230	Item No. 8: Providing second class Cubic Meter Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in	8672.45	Rupees Eight Thousand Six Hundred Seventy Two And Paise Forty	One Cubic Meter	19339.55	Bd.G.5 Page No. 315

Contractor

No of Corrections

Executive Engineer

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superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete

Five Only

843.030 Square Meter	Item No. 9: 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.	655.10	Rupees Six Hundred Fifty Five And Paise Ten Only	One Square Meter	552268.95	Bd.L.7 Page No. 369
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841.010 Square Meter	Item No. 10: Providing internal cement plaster 6 mm thick in a single coat in cement mortar 1:4	206.65	Rupees Two Hundred Six And Paise Sixty Five Only	One Square Meter	173794.70	Bd.L.1 Page No. 367
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Contractor

No of Corrections

Executive Engineer

without neeru finish to concrete surface in all positions including scaffolding and curing etc. complete.

791.000 Square Meter	Item No. 11: Providing & applying washable oil-bound distemper of approved colour and shade to old & new surfaces in two coats including scaffolding, preparing the surfaces. (excluding the primer coat.) etc. complete.	48.00	Rupees Forty Eight Only	One Square Meter	37968.00	Bd.P.5 Page No. 413
792.000 Square Meter	Item No. 12: Providing and applying colour-wash of approved colour and shade in one coat to new surface including scaffolding, brushing and brooming down (excluding base coats of white wash) etc. complete.	10.00	Rupees Ten Only	One Square Meter	7920.00	Bd. P.2 Page No. 412
2.520 Metric Tonne	Item No. 13: Providing and fabricating structural steel work in	102166.05	Rupees One Lakh Two Thousand One	One Metric	257458.45	Bd.C.2 Page No. 275

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rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted /welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete.

Hundred Sixty Six
And Paise Five Only

Tonne

3.486 Metric
Tonne

Item No. 14: Providing and fabricating structural steel work in rolled sections, fixed with connecting plates or angle cleats in main and cross beams, hip and jack rafters, purlins connecting to truss members and the like, as per detailed designs and drawing or as directed including cutting, fabricating, hoisting, erecting, fixing in position, making riveted/

98081.05 Rupees Ninty Eight
Thousand Eighty One
And Paise Five Only

One
Metric
Tonne

341910.55

Bd.C.3 Page
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bolted/ welded connections and one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete.

2.160 Tonne	Metric Item No. 15: 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.	119781.05	Rupees One Lakh Nineteen Thousand Seven Hundred Eighty One And Paise Five Only	One Metric Tonne	258727.10	Bd.C.8 Page No. 278
802.400 Square Meter	Item No. 16: Providing and fixing plain zinc sheeting of 0.80 mm thick (22 B.W.G.) over the ridge hip	1139.00	Rupees One Thousand One Hundred Thirty Nine	One Square Meter	913933.60	Bd.R.5, Page No. 453

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or valley to galvanized iron sheet roofing including all fastening and bolt galvanised iron screws and bolts, lead and bitumen washers etc. complete.(Weight of 6.8 kg/sq.m.).

Only

32.000
Square
Meter

Item No. 17: 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

5308.00

Rupees Five
Thousand Three
Hundred Eight Only

One
Square
Meter

169856.00

Bd.T.55,
Page No.
510

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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) (With mechanical gear)

148.627	Item No. 18: Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, 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	12882.75	Rupees Twelve Thousand Eight Hundred Eighty Two And Paise Seventy Five Only	One Cubic Meter	1914724.50	Bd.F.6 Page No. 300 and B.7, Page No.38
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enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade finely washed etc)

32.400 Square Meter	Item No. 19: Providing and fixing steel window of various sizes as per detailed drawing without hot dip zinc coating, without ventilators, including fabricating / glazing with plain / obscured glass panels of approved type and quality, iron oxidised fixtures and fastenings, finishing with oil painting two coats complete (with guard bars 12 mm square at 10 cm c/c.)	4874.00	Rupees Four Thousand Eight Hundred Seventy Four Only	One Square Meter	157917.60	Bd-T-53, Page No. 509
10.000 Number	Item No. 20: Turbo Ventilator 24"	9702.00	Rupees Nine Thousand Seven Hundred Two Only	One Number	97020.00	ADDITIONAL ITEM

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1	2	3	4	5	6	7	8
567.000	Item No. 21: Royalty Charges for Cubic Meter SOFT MURUM. Rate = Royalty + surcharge (2%) (211.95 + 4.23 = 216.18 Per Cum)	216.20	Rupees Two Hundred Sixteen And Paise Twenty Only	One Cubic Meter	122585.40	As Directed By Engineer Incharge	
155.441	Item No. 22: Royalty Charges for Cubic Meter NATURAL SAND. Rate = Royalty + surcharge (2%) + Distt. Mineral Foundation Cess (10%) (211.95+4.23+21.19 = 237.37 Per Cum)	237.40	Rupees Two Hundred Thirty Seven And Paise Forty Only	One Cubic Meter	36901.70	As Directed By Engineer Incharge	
1.000 One Test	Item No. 23: Standard Consistency Fineness, Specific Gravity, Setting Time (Initial & Final), Compressive Strength, Soundness	3770.00	Rupees Three Thousand Seven Hundred Seventy Only	One One Test	3770.00	As per Standard Specificatio n	
1.000 One Test	Item No. 24: BASIC TEST OF AGGREGATE. Water Absorption, Specific Gravity.Impact Value Crushing Value.	2600.00	Rupees Two Thousand Six Hundred Only	One One Test	2600.00	As per Standard Specificatio n	

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2.000 One Test	Item No. 25: FINE AGGREGATES. Fineness Modulus (Sieve Analysis), Silt & Clay Content	1380.00	Rupees One Thousand Three Hundred Eighty Only	One One Test	2760.00	As per Standard Specificatio n
1.000 One Test	Item No. 26: BRICKS Water Absorption (Set of 5 Bricks), Compressive Strength(Set of 5 Bricks), Efflorescence (Set of 5 Bricks).	2175.00	Rupees Two Thousand One Hundred Seventy Five Only	One One Test	2175.00	As per Standard Specificatio n
6.000 One Test	Item No. 27: CONCRETE Concrete Mix Design (With all Tests on basic materials)	13755.00	Rupees Thirteen Thousand Seven Hundred Fifty Five Only	One One Test	82530.00	As per Standard Specificatio n
2.000 One Test	Item No. 28: SOIL / MURUM Sieve Analysis.	690.00	Rupees Six Hundred Ninty Only	One One Test	1380.00	As per Standard Specificatio n
4.000 One	Item No. 29: STEEL BAR TESTING	1275.00	Rupees One	One One	5100.00	As per

Contractor

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1

2

3

4

5

6

7

8

Test

Upto 16 mm (Set of 3 Bars)

Thousand Two
Hundred Seventy
Five Only

Test

Standard
Specificatio
n

TOTAL AMOUNT

9124246.90

Say

9124247.00

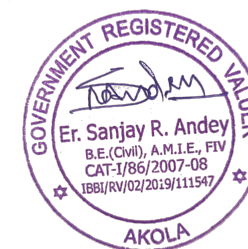
TOTAL AMOUNT IN WORDS :

Rupees Ninty One Lakh Twenty Four Thousand Two Hundred Forty Seven Only

Contractor

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