

**DETAILED ESTIMATE**

**RAJRATNA CASHEW NUT  
PROCESSING PLANT  
PROCESSING UNIT BLOCK**

**NAME OF WORK**

**CONSTRUCTION OF PROCESSING UNIT BLOCK FOR  
RAJRATNA CASHEW NUT PROCESSING PLANT AT  
RAJAPUR DIST RATNAGIRI**

**NAME OF WORK :-CONSTRUCTION OF PROCESSING UNIT FOR  
RAJRATNA CASHEW NUT PROCESSING PLANT AT RAJAPUR DIST RATNAGIRI**

**RECAPULATION SHEET**

Sr. No.	Description Of Item	Area	Unit	Amount Rs
S W -1	Processing Area	156	Sq. Mtr	1759532
S W -2	Processing Area Electrical Work			811640
S W -3	Material lab testing charges			13069
S W -4	Royalty Charges	34.22	Cu Mtr	8122
	<b>Total</b>			<b>2592363</b>

	Add 18% GST			466625
	Add 0.50 % Labour Insurance			129618

	<b>Grand Total For Processing Area</b>			<b>3188606</b>
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**NAME OF WORK :-CONSTRUCTION OF PROCESSING UNIT FOR  
RAJRATNA CASHEW NUT PROCESSING PLANT AT RAJAPUR DIST RATNAGIRI**

**MEASUREMENT SHEET**

Sr. No.	Description Of Item	No.	L (Mtr)	B (Mtr)	D (Mtr)	Qty	Unit
<b>PART-A</b>	<b>CIVIL WORK</b>						
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 ITEM NO 21.02 Page No. 153						
	FOR PLINTH FOUNDATION (PROCESSING AREA)	2	16.6	1	1	33.2	
		2	9.5	1	1	19	
						<b>52.2</b>	<b>Cu Mtr.</b>
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. OF 2022-23 ITEM NO 21.02 Page No. 153						
	EXCAVATION FOR FOUNDATION WALL (PROCESSING AREA)	2	16.6	0.5	1	16.6	
		2	9.5	0.5	1	9.5	
						<b>26.1</b>	<b>Cu Mtr.</b>
3	Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete  S.S.R. OF 2022-23 ITEM NO 21.38 Page No. 157						
	SOILING BELOW FOUNDATION WALL (PROCESSING AREA)	2	16.6	0.5	0.1	1.66	
		2	9.5	0.5	0.1	0.95	
						<b>2.61</b>	<b>Cu Mtr.</b>
4	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)  S.S.R. OF 2022-23 ITEM NO 24.01 Page No. 175						
	PCC FOR FOUNDATION WALL (PROCESSING AREA)	2	16.6	0.5	0.1	1.66	
		2	9.5	0.5	0.1	0.95	
						<b>2.61</b>	<b>Cu Mtr.</b>



5	Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls including bailing out water manually , striking joints on un exposed faces and watering etc.complete. S.S.R. OF 2022-23 ITEM NO 28.01 Page No. 199						
	WALL UPTO PLINTH TRUSS BOTTOM (PROCESSING AREA)	2	16.6	0.3	1.17	11.6532	
		2	9.5	0.3	1.17	6.669	
						<b>18.32</b>	<b>Cu Mtr.</b>

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 S.S.R. OF 2022-23 ITEM NO 27.05 Page No. 199						
	FOUNDATION WALL UPTO PLINTH (PROCESSING AREA)	2	16.6	0.23	3.5	26.726	
		2	9.5	0.23	3.5	15.295	
						<b>42.02</b>	<b>Cu Mtr.</b>

7	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) S.S.R. OF 2022-23 ITEM NO 24.01 Page No. 175						
	PCC ON WALL TOP (PROCESSING AREA)	2	16.6	0.5	0.15	2.49	
		2	9.5	0.5	0.15	1.425	
						<b>3.92</b>	<b>Cu Mtr.</b>

8	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.R. OF 2022-23 ITEM NO 25.52 Page No. 181						
	RCC LINTEL ON DOOR / WINDOW (PROCESSING AREA)						
	1500 Width Roofing Shutter	1	1.9	0.23	0.3	0.1311	
	1000 Width Door	2	1.4	0.23	0.3	0.1932	
	1200 Width Window	8	1.6	0.23	0.3	0.8832	
						<b>1.21</b>	<b>Cu Mtr.</b>

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. OF 2022-23 ITEM NO 21.40 Page No. 157						
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	SOILING BELOW FLOOR (PROCESSING AREA)	1	16.24	9	0.1	14.62	Cu Mtr.
10	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) S.S.R. OF 2022-23 ITEM NO 24.01 Page No. 175						
	PCC BELOW FLOOR (PROCESSING AREA)	1	16.24	9	0.1	14.62	Cu Mtr.
11	Providing and laying cement concrete flooring 40 mm thick with M20 cement concrete laid to proper level and slope in alternate bays including compaction, filling joints, marking lines to give the appearance of tiles of 30 cm x 30 cm or other size laid diagonally/ square etc finishing smooth (with extra cement) in any colour as directed and curing etc. complete. With Crushed Sand. S.S.R. OF 2022-23 ITEM NO 33.11 Page No. 214						
	IPS ON FLOOR (PROCESSING AREA)	1	13.185	9	0.1	11.87	Cu Mtr.
12	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete. S.S.R. OF 2022-23 ITEM NO 32.03 Page No. 209						
	INTERNAL WALL (PROCESSING AREA)						
		2	16.235	3.7		120.139	
		2	9	3.7		66.6	
						186.74	Sq. Mtr.
13	Providing and laying vitrified mirror / glossy finish tiles having size 590 mm to 605 mm x 590 mm to 605 mm of 8 to 10 mm thickness and confirming to IS. 15622-2006 ( group Bla) of approved make, shade and pattern for dado and skirting in required position fixed in 1:4 cement mortar including neat cement float, filling joints, curing and clearing etc. complete S.S.R. OF 2022-23 ITEM NO 32.41 Page No. 217						
	OFFICE & FACTORY OUTLET ROOM FLOORING (PROCESSING AREA)						
		1	9	3		27.00	Sq. Mtr.
14	Providing and applying plastic emulsion paint of approved quality, colour and shade to old and new surfaces in two coats including scaffolding, preparing the surface. (excluding the primer coat)etc. complete. S.S.R. OF 2022-23 ITEM NO 36.12 Page No. 227						
	INTERNAL WALL (PROCESSING AREA)						
		1	16.235	3.7		60.0695	
		2	9	3.7		66.6	
						126.67	Sq. Mtr.



15	Providing and fixing 6.00 mm thick ISI mark Asbestos Cement Corrugated sheet roofing including galvanised iron 'J' or 'L' hook bolts galvanised iron band bituminous G.I. washers, galvanised iron clamps, bolts, nuts and scaffolding etc. complete. S.S.R. OF 2022-23 ITEM NO 38.06 Page No. 233						
	(PROCESSING AREA)						
		2	5.25	16.58		174.09	
						<b>174.09</b>	<b>Sq. Mtr.</b>

16	Providing, fabricating and erecting at site of work the tubular steel structure (shed) as per standard design and specifications having various spans in between trusses and in multiples of standard length of bays as specified as per standard specifications, inclusive of cost of steel tubular trusses, tubular columns purlins, tie runners, foundation bolts, base plates, nuts and bolts, welding wherever required etc. as per detailed drawing inclusive of one coat of anticorrosive paint and two coats of oil painting of approved quality and shade etc. complete. Spec. One Number : As directed by Engineer-in-charge. S.S.R. OF 2022-23 ITEM NO 23.07 Page No. 174						
	(PROCESSING AREA)						
		1	3.53			3.53	<b>Ton</b>

17	Providing and fixing in position aluminium openable window of any size as per detailed Windows drawing and as directed by Engineerincharge with all necessary alluminium sections including necessary fixtures and fastening with 5 mm thick clear float glass etc. complete (Colour anodized) S.S.R. OF 2022-23 ITEM NO 39.51 (a) Page No. 256						
	(PROCESSING AREA)						
		8	1.2	1		9.6	<b>Sq. Mtr.</b>

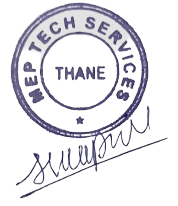
18	Providing and fixing fiber glass reinforced polyster door shutter 35 mm thick as per IS 14856 (2000) (Reaffirmed 2006) without ventilator including chromium plated fixtures and fastening with chromium plated handles on both sides, etc complete. S.S.R. OF 2022-23 ITEM NO 39.63 Page No. 258						
	(PROCESSING AREA)						
		8	1	2.1		16.8	<b>Sq. Mtr.</b>

19	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 pap S.S.R. OF 2022-23 ITEM NO 21.24 Page No. 156						
	(PROCESSING AREA)						
		1	16.24	9		146.16	<b>Sq. Mtr.</b>

20	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						
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	S.S.R. OF 2022-23 ITEM NO 50.60 Page No. 346						
	(PROCESSING AREA)						
		1	16.24	9		146.16	Sq. Mtr.
21	Compacting the hard murum side widths including laying in layers on each side with vibratory roller including artificial watering etc. complete S.S.R. OF 2022-23 ITEM NO 2.31 Page No. 25						
	(PROCESSING AREA)						
		1	16.24	9		146.16	Sq. Mtr.
22	Royalty for Sand					34.22	Cu Mtr.



**NAME OF WORK :-CONSTRUCTION OF PROCESSING UNIT FOR  
RAJRATNA CASHEW NUT PROCESSING PLANT AT RAJAPUR DIST RATNAGIRI**

**ABSTRACT SHEET - 1**

Sr. No.	Description Of Item	QUANTITY	UNIT	UNIT RATE	TOTAL AMPUNT
1	Excavation for foundation in earth, soil of all types, sand,gravel and soft murum, including removing the excavatedmaterial 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 ITEM NO 21.02 Page No. 153				
	RATE ANALYSIS (PROCESSING AREA)	52.2	Cu. Mtr.	207	10805.4
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. OF 2022-23 ITEM NO 21.02 Page No. 153				
	RATE ANALYSIS (PROCESSING AREA)	26.1	Cu. Mtr.	227	5924.7
3	Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete  S.S.R. OF 2022-23 ITEM NO 21.38 Page No. 157				
	SOILING BELOW FOUNDATION WALL (PROCESSING AREA)	2.61	Cu. Mtr.	1382	3607.02
4	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)  S.S.R. OF 2022-23 ITEM NO 24.01 Page No. 175				
	PCC FOR FOUNDATION WALL (PROCESSING AREA)	2.61	Cu. Mtr.	5830	15216.3
5	Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls including bailing out water manually , striking joints on un exposed faces and watering etc.complete.  S.S.R. OF 2022-23 ITEM NO 28.01 Page No. 199				
	WALL UPTO PLINTH TRUSS BOTTOM (PROCESSING AREA)	18.32	Cu. Mtr.	5025	92069.06



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 S.S.R. OF 2022-23 ITEM NO 27.05 Page No. 199				
	FOUNDATION WALL UPTO PLINTH (PROCESSING AREA)	42.02	Cu. Mtr.	7994	335915.87
7	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) S.S.R. OF 2022-23 ITEM NO 24.01 Page No. 175				
	PCC ON WALL TOP (PROCESSING AREA)	3.92	Cu. Mtr.	5830	22824.45
8	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.R. OF 2022-23 ITEM NO 25.52 Page No. 181				
	RCC LINTEL ON DOOR / WINDOW (PROCESSING AREA)	1.21	Cu. Mtr.	12452	15035.79
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. OF 2022-23 ITEM NO 21.40 Page No. 157				
	SOILING BELOW FLOOR (PROCESSING AREA)	14.62	Cu. Mtr.	1454	21251.66
10	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) S.S.R. OF 2022-23 ITEM NO 24.01 Page No. 175				
	SOILING BELOW FLOOR (PROCESSING AREA)	14.62	Cu. Mtr.	5830	85211.28



11	Providing and laying cement concrete flooring 40 mm thick with M20 cement concrete laid to proper level and slope in alternate bays including compaction, filling joints, marking lines to give the appearance of tiles of 30 cm x 30 cm or other size laid diagonally/ square etc finishing smooth (with extra cement) in any colour as directed and curing etc. complete. With Crushed Sand. S.S.R. OF 2022-23 ITEM NO 33.11 Page No. 214				
	SOILING BELOW FLOOR (PROCESSING AREA)	11.87	Cu. Mtr.	537	6372.31
12	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete. S.S.R. OF 2022-23 ITEM NO 32.03 Page No. 209				
	INTERNAL WALL (PROCESSING AREA)	186.74	Sq. Mtr.	271	50606.27
13	Providing and laying vitrified mirror / glossy finish tiles having size 590 mm to 605 mm x 590 mm to 605 mm of 8 to 10 mm thickness and conforming to IS. 15622-2006 ( group Bla) of approved make, shade and pattern for dado and skirting in required position fixed in 1:4 cement mortar including neat cement float, filling joints, curing and clearing etc. complete S.S.R. OF 2022-23 ITEM NO 32.41 Page No. 217				
	OFFICE & FACTORY OUTLET ROOM FLOORING (PROCESSING AREA)				
		27.00	Sq. Mtr.	1253.00	33831.00
14	Providing and applying plastic emulsion paint of approved quality, colour and shade to old and new surfaces in two coats including scaffolding, preparing the surface. (excluding the primer coat)etc. complete. S.S.R. OF 2022-23 ITEM NO 36.12 Page No. 227				
	INTERNAL WALL (PROCESSING AREA)	126.67	Sq. Mtr.	80	10133.56
15	Providing and fixing 6.00 mm thick ISI mark Asbestos Cement Corrugated sheet roofing including galvanised iron 'J' or 'L' hook bolts galvanised iron band bituminous G.I. washers, galvanised iron clamps, bolts, nuts and scaffolding etc. complete. S.S.R. OF 2022-23 ITEM NO 38.06 Page No. 233				
	(PROCESSING AREA)	174.09	Sq. Mtr.	442	76947.78



16	Providing, fabricating and erecting at site of work the tubular steel structure (shed) as per standard design and specifications having various spans in between trusses and in multiples of standard length of bays as specified as per standard specifications, inclusive of cost of steel tubular trusses, tubular columns purlins, tie runners, foundation bolts, base plates, nuts and bolts, welding wherever required etc. as per detailed drawing inclusive of one coat of anticorrosive paint and two coats of oil painting of approved quality and shade etc. complete. Spec. One Number : As directed by Engineer-in-charge. S.S.R. OF 2022-23 ITEM NO 23.07 Page No. 174				
	(PROCESSING AREA)	3.53	Ton	114831	405353.43
17	Providing and fixing in position aluminium openable window of any size as per detailed Windows drawing and as directed by Engineerincharge with all necessary alluminium sections including necessary fixtures and fastening with 5 mm thick clear float glass etc. complete (Colour anodized) S.S.R. OF 2022-23 ITEM NO 39.51 (a) Page No. 256				
	(PROCESSING AREA)	9.6	Sq. Mtr.	5700	54720.00
18	Providing and fixing fiber glass reinforced polyster door shutter 35 mm thick as per IS 14856 (2000) (Reaffirmed 2006) without ventilator including chromium plated fixtures and fastening with chromium plated handles on both sides, etc complete. S.S.R. OF 2022-23 ITEM NO 39.63 Page No. 258				
	(PROCESSING AREA)	16.8	Sq. Mtr.	5700	95760.00
19	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 pap S.S.R. OF 2022-23 ITEM NO 21.24 Page No. 156				
	(PROCESSING AREA)	146.16	Sq. Mtr.	108	15785.28
20	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. OF 2022-23 ITEM NO 50.60 Page No. 346				
	(PROCESSING AREA)	146.16	Sq. Mtr.	37	5407.92
21	Compacting the hard murum side widths including laying in layers on each side with vibratory roller including artificial watering etc. complete S.S.R. OF 2022-23 ITEM NO 2.31 Page No. 25				
	(PROCESSING AREA)	146.16	Sq. Mtr.	21	3069.36
<b>GRAND TOTAL (Process Area)</b>					<b>1365848</b>



**NAME OF WORK :-CONSTRUCTION OF PROCESSING UNIT FOR  
RAJRATNA CASHEW NUT PROCESSING PLANT AT RAJAPUR DIST RATNAGIRI**

**ABSTRACT SHEET - 2**

Sr. No.	Description Of Item	QUANTITY	UNIT	UNIT RATE	TOTAL AMPUNT
1	Excavation for foundation in earth, soil of all types, sand,gravel and soft murum, including removing the excavatedmaterial 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 ITEM NO 21.02 Page No. 153				
	RATE ANALYSIS (PROCESSING AREA)	52.2	Cu. Mtr.	116	6055.2
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. OF 2022-23 ITEM NO 21.02 Page No. 153				
	RATE ANALYSIS (PROCESSING AREA)	26.1	Cu. Mtr.	127	3314.7
3	Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete  S.S.R. OF 2022-23 ITEM NO 21.38 Page No. 157				
	SOILING BELOW FOUNDATION WALL (PROCESSING AREA)	2.61	Cu. Mtr.	432	1127.52
4	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)  S.S.R. OF 2022-23 ITEM NO 24.01 Page No. 175				
	PCC FOR FOUNDATION WALL (PROCESSING AREA)	2.61	Cu. Mtr.	1616	4217.76
5	Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls including bailing out water manually , striking joints on un exposed faces and watering etc.complete.  S.S.R. OF 2022-23 ITEM NO 28.01 Page No. 199				
	WALL UPTO PLINTH TRUSS BOTTOM (PROCESSING AREA)	18.32	Cu. Mtr.	2513	46043.69



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 S.S.R. OF 2022-23 ITEM NO 27.05 Page No. 199				
	FOUNDATION WALL UPTO PLINTH (PROCESSING AREA)	42.02	Cu. Mtr.	1705	71645.81
7	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) S.S.R. OF 2022-23 ITEM NO 24.01 Page No. 175				
	PCC ON WALL TOP (PROCESSING AREA)	3.92	Cu. Mtr.	1616	6326.64
8	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.R. OF 2022-23 ITEM NO 25.52 Page No. 181				
	RCC LINTEL ON DOOR / WINDOW (PROCESSING AREA)	1.21	Cu. Mtr.	5085	6140.14
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. OF 2022-23 ITEM NO 21.40 Page No. 157				
	SOILING BELOW FLOOR (PROCESSING AREA)	14.62	Cu. Mtr.	436	6372.58
10	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) S.S.R. OF 2022-23 ITEM NO 24.01 Page No. 175				
	SOILING BELOW FLOOR (PROCESSING AREA)	14.62	Cu. Mtr.	1616	23619.46



11	Providing and laying cement concrete flooring 40 mm thick with M20 cement concrete laid to proper level and slope in alternate bays including compaction, filling joints, marking lines to give the appearance of tiles of 30 cm x 30 cm or other size laid diagonally/ square etc finishing smooth (with extra cement) in any colour as directed and curing etc. complete. With Crushed Sand. S.S.R. OF 2022-23 ITEM NO 33.11 Page No. 214				
	SOILING BELOW FLOOR (PROCESSING AREA)	11.87	Cu. Mtr.	308	3654.88
12	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete. S.S.R. OF 2022-23 ITEM NO 32.03 Page No. 209				
	INTERNAL WALL (PROCESSING AREA)	186.74	Sq. Mtr.	204	38094.76
13	Providing and laying vitrified mirror / glossy finish tiles having size 590 mm to 605 mm x 590 mm to 605 mm of 8 to 10 mm thickness and confirming to IS. 15622-2006 ( group Bla) of approved make, shade and pattern for dado and skirting in required position fixed in 1:4 cement mortar including neat cement float, filling joints, curing and clearing etc. complete S.S.R. OF 2022-23 ITEM NO 32.41 Page No. 217				
	OFFICE & FACTORY OUTLET ROOM FLOORING (PROCESSING AREA)				
		27.00	Sq. Mtr.	352	9504.00
14	Providing and applying plastic emulsion paint of approved quality, colour and shade to old and new surfaces in two coats including scaffolding, preparing the surface. (excluding the primer coat)etc. complete. S.S.R. OF 2022-23 ITEM NO 36.12 Page No. 227				
	INTERNAL WALL (PROCESSING AREA)	126.67	Sq. Mtr.	24	3040.07
15	Providing and fixing 6.00 mm thick ISI mark Asbestos Cement Corrugated sheet roofing including galvanised iron 'J' or 'L' hook bolts galvanised iron band bituminous G.I. washers, galvanised iron clamps, bolts, nuts and scaffolding etc. complete. S.S.R. OF 2022-23 ITEM NO 38.06 Page No. 233				
	(PROCESSING AREA)	174.09	Sq. Mtr.	197	34295.73



16	Providing, fabricating and erecting at site of work the tubular steel structure (shed) as per standard design and specifications having various spans in between trusses and in multiples of standard length of bays as specified as per standard specifications, inclusive of cost of steel tubular trusses, tubular columns purlins, tie runners, foundation bolts, base plates, nuts and bolts, welding wherever required etc. as per detailed drawing inclusive of one coat of anticorrosive paint and two coats of oil painting of approved quality and shade etc. complete. Spec. One Number : As directed by Engineer-in-charge. S.S.R. OF 2022-23 ITEM NO 23.07 Page No. 174				
	(PROCESSING AREA)	3.53	Ton	22701	80134.53
17	Providing and fixing in position aluminium openable window of any size as per detailed Windows drawing and as directed by Engineerincharge with all necessary alluminium sections including necessary fixtures and fastening with 5 mm thick clear float glass etc. complete (Colour anodized) S.S.R. OF 2022-23 ITEM NO 39.51 (a) Page No. 256				
	(PROCESSING AREA)	9.6	Sq. Mtr.	1809	17366.40
18	Providing and fixing fiber glass reinforced polyster door shutter 35 mm thick as per IS 14856 (2000) (Reaffirmed 2006) without ventilator including chromium plated fixtures and fastening with chromium plated handles on both sides, etc complete. S.S.R. OF 2022-23 ITEM NO 39.63 Page No. 258				
	(PROCESSING AREA)	16.8	Sq. Mtr.	1809	30391.20
19	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 pap S.S.R. OF 2022-23 ITEM NO 21.24 Page No. 156				
	(PROCESSING AREA)	146.16	Sq. Mtr.	8	1169.28
20	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. OF 2022-23 ITEM NO 50.60 Page No. 346				
	(PROCESSING AREA)	146.16	Sq. Mtr.	4	584.64
21	Compacting the hard murum side widths including laying in layers on each side with vibratory roller including artificial watering etc. complete S.S.R. OF 2022-23 ITEM NO 2.31 Page No. 25				
	(PROCESSING AREA)	146.16	Sq. Mtr.	4	584.64



<b>GRAND TOTAL (Process Area)</b>	<b>393684</b>
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<b>22</b>	<b>Laboratory test of construction material</b>				
	<b>1) BASIC TEST OF AGGREGATE</b>				
	a) Water Absorption, Specific Gravity, Impact Value, Crushing Value.	1	No.	2600	2600.00
	b) Sieve Analysis.	1	No.	690	690.00
	c) Abrasion Value	1	No.	1170	1170.00
	d) Flakiness Index & Elongation Index.	1	No.	850	850.00
	<b>2) BRICKS</b>				
	Water Absorption (Set of 5 Bricks), Compressive Strength( Set of 5 Bricks), Efflorescence (Set of 5 Bricks).	1	No.	2175	2175.00
	<b>3) CONCRETE</b>				
	a) Compressive Strength OF C.C. Cube (Set of 3 cubes)	1	No.	690	690.00
	b) Concrete Mix Design (With all Tests on basic materials)	1	No.	13755	13755.00
	<b>4) STEEL</b>				
	Steel bar testing upto 16 mm (set of 3 bars)(Tensile strength, %, Elongation, Yield Stress, Weight-Per Meter, Bend / Rebend Test, Proof Stress.	1	No.	1595	1595.00
<b>Total Rs.</b>					<b>23525.00</b>



<b>3 ELECTRICAL WORK (Processing Area)</b>							
SR. NO.	DESCRIPTION	QTY.	UNIT	UNIT RATE		TOTAL	
				SUPPLY	ERECTION	SUPPLY	ERECTION
<b>I LIGHT FIXTURE</b>							
	Supplying, Fixing & Testing of LED Square Slim Panel Light False Ceiling POP Downlight Indoor Light RECESSED Ceiling Lamp						
1.1	Recess Mounted Bottom Openable <b>15 Watt</b> Fitting Suitable for Gypsum Board False Ceiling.	8	No.	910	137	7280	1092
1.2	LED Tube Light with Reflector <b>18/20 Watt</b> Fitting Suitable for Pendant type mounting Including all accessories for mounting	12	No.	2800	420	33600	5040
<b>II LIGHTING WORK</b>							
<b>1 POINT WIRING</b>							
1.1	Wiring for light point/ Ceiling fan/ Bracket fan/ Exhaust fan with 2 run of 1.5 sq. mm FR PVC insulated multistranded copper conductor FRLS wires (one each for Phase, Neutral) 1 run of each of 1 sq.mm copper conductor PVC insulated multistranded copper conductor for continuous earthing in ISI make 25mm PVC conduit, PVC flexible hose on ceiling, coupler etc for various purposes as required at site and as per standards.The rate shall inclusive of necessary supports, fixing screws, etc complete.conceled in wall/ partition with necessary clamps, screws etc .						
1.1.1	1.5 sq. mm FR PVC insulated multistranded copper conductor (for Phase & Neutral)	600	Mtr.	25	4	15120	2268
1.1.2	1 sq. mm FR PVC insulated multistranded copper conductor (for earth)	300	Mtr.	14	2	4200	630
1.1.3	Supply and laying of ISI make 25mm size PVC conduits in floor / wall /ceiling etc.including necessary bends, elbow, etc, in concealed system below the false ceiling on wall/floor and open system on above false ceiling.	250	Mtr.	49	15	12250	3675



SR. NO.	DESCRIPTION	QTY.	UNIT	UNIT RATE		TOTAL	
				SUPPLY	ERECTION	SUPPLY	ERECTION
<b>2</b>	<b>SWITCH BOARD , SOCKET &amp; PLUG BOARD</b>						
2.1	Supplying & Fixing of following type of GI box along with modular base & <b>SS 304 Matt Finish</b> modular cover plate Made from high Glass high impact resistant thermoplastic cover plate for modular switches & sockets .Board box shall be made out of steel sheet of 1.20 mm thick duly pretreatment & zinc coated & passivated / powder coated to accommodate specified number of electrical accessories & suitable for indoor electrical installation with provision for earthing termination. (All Classified Area) .						
2.1.1	1 module switch box (78 x 75 x 50 mm)	0	Nos.	356	71	0	0
2.1.2	2 module switch box (78 x 75 x 50 mm)	3	Nos.	356	71	1067	213
2.1.3	3 module switch box (100 x 75 x 50 mm)	2	Nos.	479	96	958	192
2.2	Supplying & Fixing following modular switches on exiting modular plate & switch box/ including connection but excluding modular plate etc. as required.						
2.2.1	6 Amps. Modular 1-way switch	12	Nos.	146	29	1747	349
<b>3</b>	<b>WIRING FROM LDB TO SWITCH BOARD</b>						
3.1	Supplying, connecting & commissioning of Wiring from LDB to switch board one circuit meter comprising of 2 run of 2.5 sq. mm FR PVC insulated multistranded copper conductor FRLS wires (one each for Phase, Neutral) 1 run of each of 1.5 sq.mm copper conductor PVC insulated multistranded copper conductor for continuous earthing in ISI make 25mm PVC conduit concealed in wall/ partion with necessary clamps, screws etc.						
3.1.1	2.5 sq. mm FR PVC insulated multistranded copper conductor (for Phase & Neutral)	400	Mtr.	36	5	14560	2184
3.1.2	1.5 sq. mm FR PVC insulated multistranded copper conductor (for earth)	200	Mtr.	25	4	5040	756
3.1.3	Supply and laying of ISI make 25mm size PVC conduits in floor / wall /ceiling etc.including necessary bends, elbow, etc, in concealed system below the false ceiling on wall/floor and open system on above false ceiling.	180	Mtr.	49	15	8820	2646



SR. NO.	DESCRIPTION	QTY.	UNIT	UNIT RATE		TOTAL	
				SUPPLY	ERECTION	SUPPLY	ERECTION
<b>III</b>	<b>POWER POINT WORK</b>						
<b>1</b>	<b>WIRING FROM PDB TO SWITCH BOARD</b>						
1.1	Wiring from PDB to Single Phase Power point 5/6 Amp.& 15/16Amp switch socket one circuit meter comprising of 2 run of 2.5 sq. mm FR PVC insulated multistranded copper conductor FRLS wires (one each for Phase, Neutral) 1 run of each of 1.5 sq.mm copper conductor PVC insulated multistranded copper conductor for continuous earthing in ISI make 25mm PVC conduit conceled in wall/ partion or laid in open fashion above false ceiling with necessary clamps, screws etc.						
1.1.1	2.5 sq. mm FR PVC insulated multistranded copper conductor (for Phase & Neutral)	600	Mtr.	36	5	21840	3276
1.1.2	1.5 sq. mm FR PVC insulated multistranded copper conductor (for Earthing)	300	Mtr.	25	4	7560	1134
1.2	Wiring from PDB to Single Phase 20Amp. power point one circuit meter comprising of 2 wire of 4 sq. mm FR PVC insulated multistranded copper conductor FRLS wires (one each for Phase, Neutral) 1 run of each of 2.5 sq.mm copper conductor PVC insulated multistranded copper conductor for continuous earthing in ISI make 25mm PVC conduit conceled in wall/ partion or laid in open fashion above false ceiling with necessary clamps, screws etc.						
1.2.1	4 sq. mm FR PVC insulated multistranded copper conductor (for R-Y-B Phase & Neutral)	400	Mtr.	48	7	19040	2856
1.2.2	2.5 sq. mm FR PVC insulated multistranded copper conductor	200	Mtr.	36	5	7280	1092
1.3	Supply and laying of ISI make following size conduits in floor / wall /ceiling etc.including necessary bends, elbow, etc, in concealed system below the false ceiling on wall/floor and open system on above false ceiling.(The rate shall includes minor civil works such as floor/Wall cutting, chipping, plastering and to make good finished surface to match with the original surface.)						
1.3.1	25mm dia PVC conduit	180	Mtr.	49	15	8820	2646
1.3.2	Flexible Pipe	0	Mtr.	34	5	0	0
<b>2</b>	<b>SWITCH BOARD , SOCKET &amp; PLUG BOARD</b>						



SR. NO.	DESCRIPTION	QTY.	UNIT	UNIT RATE		TOTAL	
				SUPPLY	ERECTION	SUPPLY	ERECTION
2.1	Supplying & Fixing following type of GI box along with modular base & high Gloss high impact resistant thermoplastic cover plate for modular switches & sockets .Board box shall be made out of steel sheet of 1.20 mm thick duly pretreatment & zinc coated & passivated / powder coated to accommodate specified number of electrical accessories & suitable for indoor electrical installation with provision for earthing termination.						
2.1.1	1 module switch box (78 x 75 x 50 mm)	0	Nos.	356	53	0	0
2.1.2	2 module switch box (78 x 75 x 50 mm)	0	Nos.	356	53	0	0
2.1.3	3 module switch box (100 x 75 x 50 mm)	20	Nos.	479	72	9576	1436
2.1.4	4 module switch box (137 x 75 x 50 mm)	0	Nos.	524	79	0	0
2.1.5	6 module switch box (214 x 75 x 50 mm)	10	Nos.	780	117	7798	1170
2.1.6	8 module switch box (230 x 75 x 50 mm)	0	Nos.	888	133	0	0
2.2	Supplying & Fixing following modular switch/ socket on exiting modular plate & switch box/ including connection but excluding modular plate etc. as required.						
2.2.1	Supplying & fixing 5-16 Amps switch	40	Nos.	146	22	5824	874
2.2.2	Supplying & fixing 5/6 & 15/16 Amps. (combined) 6 pin Modular socket (shutter type) 3 Module	40	Nos.	199	30	7952	1193
2.3	Supply and Installation of single phase + N metal clad 20 Amp power point box with SS Top cover & MS housing and totally concealed by making cavity in wall and complete with S.P M.C.B. and 20 Amp. metal clad single phase socket and top.	6	Nos.	5506	450	33037	2700
2.4	Supply and Installation of Three phase + N metal clad 32Amp power point box with powder coated and <b>specially fabricated</b> with 18 SWG. CRC sheet with fully flush (without bended colour) front plate fabricated with Stainless Steel S.S. 304 and totally concealed by making cavity in wall and complete with T.P. M.C.B. and 32 Amp. metal clad Three phase socket and top.	6	Nos.	6877	450	41261	2700
<b>3</b>	<b>MCB DBs</b>						



SR. NO.	DESCRIPTION	QTY.	UNIT	UNIT RATE		TOTAL	
				SUPPLY	ERECTION	SUPPLY	ERECTION
3.1	Supplying, installation, testing and commissioning of following surface/ recess mounting, vertical type, 415 volts, prewired, TPN MCB distribution board of sheet steel, dust protected, duly phosphatized and powder painted, inclusive of 100 amps finned copper busbars, common neutral link, earth bar, din bar for mounting MCB's, detachable gland/ knock out plate, and with built in loose wire box, and superior make terminal connectors for all incoming and outgoing circuits, duly prewired with adequate size of FRLS PVC insulated copper conductor upto the terminal connector/ neutral link and ready for installation of following ways (but without MCB's and incomer) as required.						
3.1.1	PDB-1						
	6 Way Three Phase in Single Phase Out (18 circuits of 1 phase)	1	Nos.	25900	450	25900	450
	Incomer:						
	40 Amps FP EL-MCB- 10mA	1	Nos.				
	Outgoing:						
	16 Amp Single Pole MCB	12	Nos.				
	20 Amp Single Pole MCB	6	Nos.				
3.1.2	PDB-2						
	6 Way Three Phase in Three Phase Out (6 circuits of 3 phase)	1	Nos.	27300	450	27300	450
	Incomer:						
	63 Amps FP EL-MCB- 10mA	1	Nos.				
	Outgoing:						
	32 Amp 3 Pole MCB	6	Nos.				
<b>IV DATA &amp; VOICE SYSTEM</b>							
1.1	Supply, laying & termination of CAT-6 wire for computer wire running through ISI make 20/25mm PVC conduit concealed in wall/ partition with necessary clamps, screws etc.	100	Mtr.	32		3200	0
1.2	Supply and laying of ISI make 20mm size PVC conduits in floor / wall /ceiling etc.including necessary bends, elbow, etc, in concealed system below the false ceiling on wall/floor and open system on above false ceiling.	80	Mtr.			0	0



SR. NO.	DESCRIPTION	QTY.	UNIT	UNIT RATE		TOTAL	
				SUPPLY	ERECTION	SUPPLY	ERECTION
1.3	Supplying & Fixing following type of GI box along with <b>modular Plate</b> . Base made from high Gloss high impact resistant thermoplastic cover plate for modular switches & sockets .Board box shall be made out of steel sheet of 1.20 mm thick duly pretreatment & zinc coated & passivated / powder coated to accommodate specified number of electrical accessories & suitable for indoor electrical installation with provision for earthing termination.						
1.3.1	1 module switch box (78 x 75 x 50 mm)	4	Nos.	356	53	1422	213
1.3.2	2 module switch box (78 x 75 x 50 mm)	0	Nos.	356	53	0	0
1.3.3	3 module switch box (78 x 75 x 50 mm)	0	Nos.	479	72	0	0
1.5	Supply fixing & terminaion of RJ45 computer data transfer socket with shutter.	4	Nos.	679	102	2716	407
1.6	Supplying, fixing & Termination of Jack RJ 11-2 point with shutter.	0	Nos.	406	61	0	0
	Note: All End Termination / cat 6 wire crimping are not considered						
<b>V</b>	<b>CABLES &amp; CABLE TRAY</b>						
<b>A</b>	<b>CABLE TRAY</b>	0					
2	Supply, erection of following sizes GI 16swg Perforated type cable rack system made out of hot dip Galvonized ( <b>80 Micron</b> ) steel folded to required shape with adequate number of supports. The cable rack shall have runners rugs of suitable size, horizontal elbow, vertical elbow 90 Deg. Up vertical elbow 90 Deg. Down, re-deep, coupler plates, materials. The cable racks shall be suspended from ceilingsupported from side walls in columns etc.						
2.1	450 mm x 50mm	0	Mtr.			0	0
2.2	300 mm x 50mm	0	Mtr.			0	0
2.3	200 mm x 50mm	0	Mtr.			0	0
2.4	150 mm x 50mm	0	Mtr.			0	0
2.5	100 mm x 50mm	150	Mtr.			0	0
2.6	50 mm x 25mm	0	Mtr.			0	0



SR. NO.	DESCRIPTION	QTY.	UNIT	UNIT RATE		TOTAL	
				SUPPLY	ERECTION	SUPPLY	ERECTION
<b>B</b>	<b>CABLES</b>						
3	Supply and laying cable with necessary clamps along ceiling/ wall/ column & direct laid in exiting cable tray and including testing and commissioning of the following sizes 1.1KV Grade XLPE insulated PVC sheathed armoured cables confirming to IS-7098 The costs shall include for all cables to be provided with a 1D gap and shall be properly clamped with cable clamps and ties. Identification tags (Feruling / Numbering etc. as required) as per specifications and as per instructions of Engineer-in-charge. (Supply as per actual Site Measurement)						
3.1	Cu. 4 core , 1.5 sq.mm	0	Mtr.			0	0
3.2	Cu. 3 core , 1.5 sq.mm	0	Mtr.			0	0
3.3	Cu. 3 core , 2.5 sq.mm	0	Mtr.			0	0
3.4	Cu. 3 core , 4 sq.mm	0	Mtr.			0	0
3.5	Cu. 4 core , 2.5 sq.mm	150	Mtr.	280	42	42000	6300
3.6	Cu. 4 core , 4 sq.mm	0	Mtr.	308	46	0	0
3.7	Cu. 4 core , 6 sq.mm	180	Mtr.	434	65	78120	11718
3.8	Cu. 3 core , 6 sq.mm	0	Mtr.			0	0
3.9	Cu. 4 core , 10 sq.mm	40	Mtr.	770	116	30800	4620
3.10	Cu. 4 core , 16 sq.mm	0	Mtr.			0	0
3.11	Alu. 3.5 core , 16 sq.mm	0	Mtr.			0	0
3.12	Alu. 3.5 core , 25 sq.mm	0	Mtr.		0	0	0
3.13	Alu. 3.5 core , 35 sq.mm	0	Mtr.		0	0	0
3.14	Alu. 3.5 core , 50 sq.mm	120	Mtr.			0	0
3.15	Alu. 3.5 core , 95 sq.mm	0	Mtr.		0	0	0
4	Supplying, Connecting & commissioning of following cables with <b>single compression</b> type SIBG cable glands.						
4.1	Cu. 4 core , 1.5 sq.mm	0	No			0	0
4.2	Cu. 3 core , 1.5 sq.mm	0	No			0	0
4.3	Cu. 3 core , 2.5 sq.mm	6	No	210	32	1260	189
4.4	Cu. 3 core , 4 sq.mm	0	No			0	0
4.5	Cu. 4 core , 2.5 sq.mm	0	No			0	0
4.6	Cu. 4 core , 4 sq.mm	0	No			0	0
4.7	Cu. 4 core , 6 sq.mm	12	No	294	44	3528	529
4.8	Cu. 3 core , 6 sq.mm	0	No			0	0
4.9	Cu. 4 core , 10 sq.mm	4	No	392	59	1568	235
4.10	Cu. 4 core , 16 sq.mm	0	No			0	0
4.11	Alu. 3.5 core , 16 sq.mm	0	No			0	0
4.12	Alu. 3.5 core , 25 sq.mm	0	No	0		0	0
4.13	Alu. 3.5 core , 35 sq.mm	0	No	0		0	0
4.14	Alu. 3.5 core , 50 sq.mm	2	No	1056	158	2111	317
4.15	Alu. 3.5 core , 95 sq.mm	0	No	0		0	0
<b>VI</b>	<b>EARTHING &amp; LIGHTNING ARRESTOR</b>						

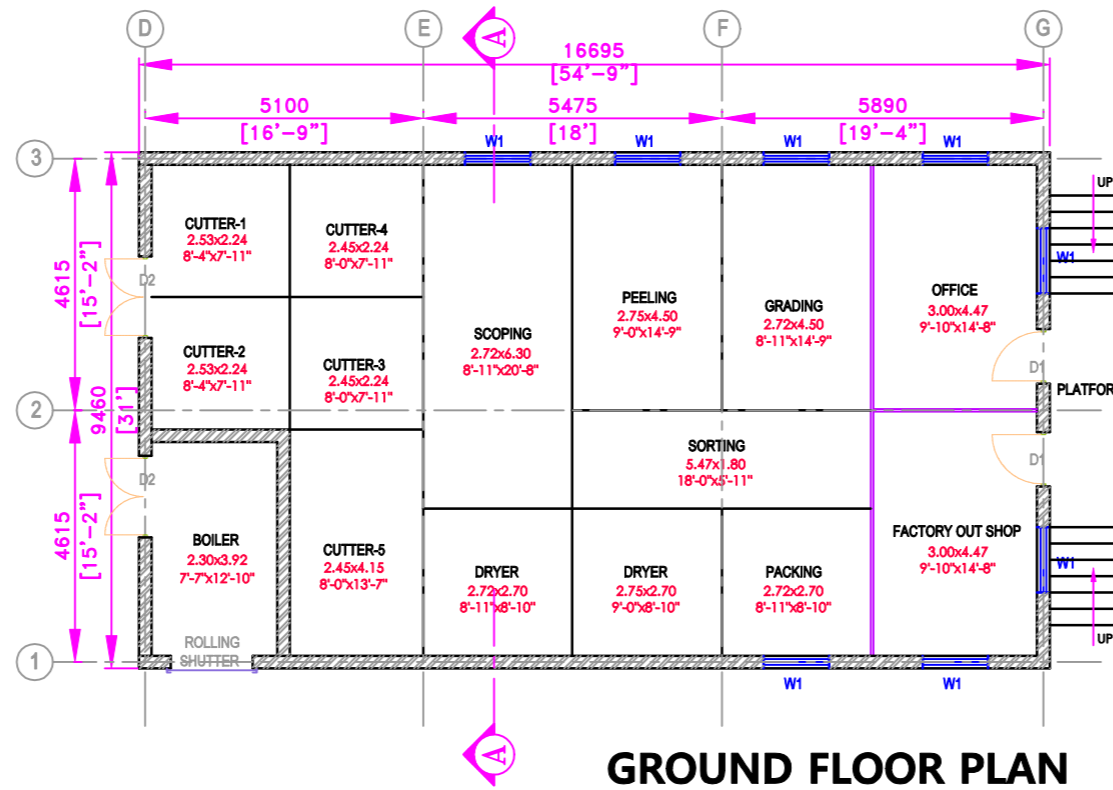


SR. NO.	DESCRIPTION	QTY.	UNIT	UNIT RATE		TOTAL	
				SUPPLY	ERECTION	SUPPLY	ERECTION
1.1	Design, supply, erection of 600 x 600 x 6 mm GI plate buried in ground in a depth of 3.0 M from ground level with alternate layer of Charcoal & salt including supply and fixing of 38 mm dia. perforated G.I.Pipe & Funneling for Water Purpose including construction masonry through C.I. Inspection Cover with chamber Marker,complete set.	2	Nos.	18620	2793	37240	5586
1.2	Design, supply, erection of 600 x 600 x 3 mm Cu plate buried in ground in a depth of 3.0 M from ground level with alternate layer of Charcoal & salt including supply and fixing of 38 mm dia. perforated G.I.Pipe & Funneling for Water Purpose including construction masonry through C.I. Inspection Cover with chamber Marker,complete set.	2	Nos.	25620	3843	51240	7686
	<b>EARTHING STRIPS &amp; BARE EARTHING CONDUCTORS</b>						
1.3	Supply and Installation of Earthing Strips as following						
1.3.1	50 x 6 mm G.I.Strip -( D.G. Set body, Main L.T. Panel , Utility, HVAC Panel ,APFC etc.)	0	Mtr.				
1.3.2	40 x 5 mm G.I.Strip(For Sub Panels, Fencing, etc. )	30	Mtr.				
1.3.3	25 x 3 mm G.I.Strip( for alongwith cable trays )	150	Mtr.	196	29	29400	4410
1.3.4	8 Swg bare copper wire for equipments & DB earthing	60	Mtr.	168	25	10080	1512
1.3.5	2.5 Sqmm PVC flexible Green wire for earthing	0	Mtr.	36	5	0	0
<b>VII</b>	<b>LT PANELS</b>						

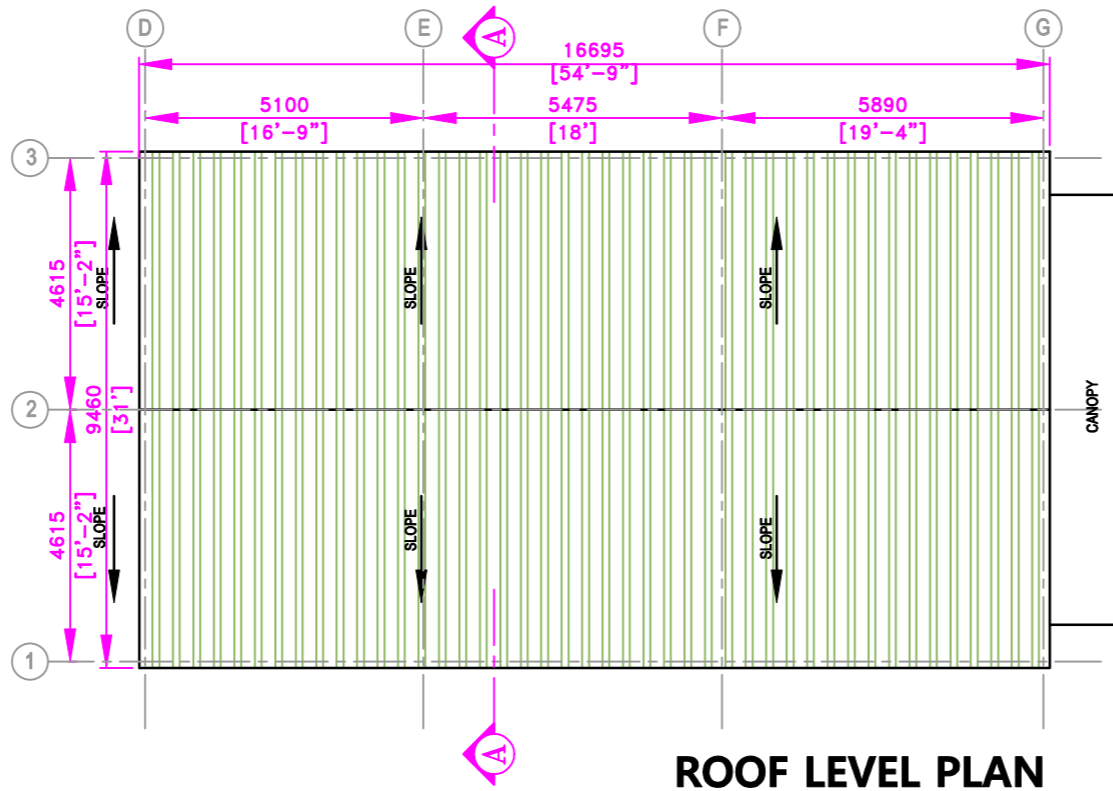


SR. NO.	DESCRIPTION	QTY.	UNIT	UNIT RATE		TOTAL	
				SUPPLY	ERECTION	SUPPLY	ERECTION
<b>1</b>	<b>WALL MOUNTED PANEL</b>	1	NO.	49000	2940	49000	2940
	Incomer: 160 A 25 KA FP MCCB with extended rotary handle Bus Bar: 160 A , 3 Phase, 4wire, 50Hz Aluminium conductor with colour code heat shrinkable sleeves Outgoing: 160 A BUS Coupler						
<b>VIII MISC. WORK</b>							
1.1	Design, supply, erection, testing & commissioning of following starters with suitable Push buttons with necessary interconnection, single phase preventor , overload relay, solenoid coil, time delay relay, ON/OFF indication lamp etc complete						
1.1.1	DOL upto 7.5 H.P.	0	No.	1,300		-	-
1.1.2	Star delta from 7.5 to 10 H.P.	0	No.	1,560		-	-
1.1.3	Star delta from 10 to 15 H.P.	0	No.	1,980		-	-
1.2	Providing Structural fabrication for Cable Tray supports in wall/ceiling including supply of steel, cutting, welding, drilling, erecting at site including consumables like welding rods, gas drill bits etc. Job also includes for minor civil work, duly Painted with two coats of Red oxide and two coats of Synthetic Enamel paint of grade 631.						
1.2.1	ISA 40 x 40 X 3mm	200	Kgs	90	14	18,000	2,700
1.2.2	ISA 50 x 50 X 5mm	0	Kgs	90	14	-	-
1.2.3	ISMC 100 x 50	0	Kgs	90	14	-	-
1.2.4	Full Threaded Road 8 mm Dia	100	Mtr.	60	9	6,000	900
1.3	Supply and erection of Anchor Fastner						
1.3.1	8 mm Dia. X 75 mm Long	0	Nos.	180	27	-	-
1.3.2	10 mm Dia. X 100 mm Long	100	Nos.	216	32	21,600	3,240
1.3.3	12 mm Dia. X 100 mm Long	0	Nos.			-	-
<b>TOTAL (In INR)</b>						<b>7,17,115</b>	<b>94,525</b>

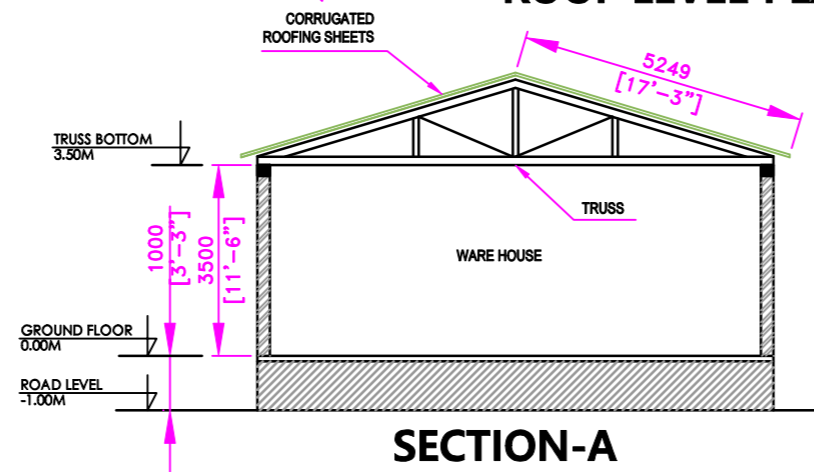




**GROUND FLOOR PLAN**



**ROOF LEVEL PLAN**



**SECTION-A**

LEGEND	DESCRIPTION
	ALUMINUM PARTITION WALL
	BRICK / BLOCK WALL

DOOR SCHEDULE		
NOMENCLATURE	SIZE (W X H)	SILL / TOP LVL
D1	1000 X 2100	0.0 / 2.10 Mtr.
D2	1500 X 2100	0.0 / 2.10 Mtr.

WINDOW & VIEW PANEL SCHEDULE		
NOMENCLATURE	SIZE (W X H)	SILL / TOP LVL
V	600 X 2100	1.10 / 2.10 Mtr.
W-1	1200 X 1000	1.10 / 2.10 Mtr.

REVISION HISTORY		
DESCRIPTION	NO.	DATE
PREPARED FOR REVIEW & COMMENTS	00	11.12.2022

**CLIENT : Rajratna Cashew Nut  
PROCESSING PLANT**  
AT. RAJAPUR, DIST. RATANAGIRI

**CONSULTANTS :**   
Beyond Making Everything Possible

**DRAWING TITLE : CONCEPT PLAN**

**DRAWING STATUS :**  Information  Execution  
 Approval  Record

**DRAWING NO: MEP / CIV / 201 / 01**

**DRAWN BY: NILESH** **REV NO.**

**CHECKED BY: SSB** **R-00**

**SHEET NO: 1 OF 1** **DATE : 11.12.2022**