

**TENDER DOCUMENT**

For

CIVIL CONSTRUCTION OF MARAYOOR JAGGERY PROCESSING PLANT**PREAMBLE**

PROJECT : CIVIL CONSTRUCTION OF JAGGERY PROCESSING PLANT

LOCATION : MARAYOOR SERVICE CO-OPERATIVE
BANK LTD.NO.2022
DEVIKULAM, MARAYOOR PO
IDUKKI, KERALA-685620

COMPLETION : WITHIN 10 WEEKS FROM DATE OF AGREEMENT

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Place : Marayoor
Date : 25/11/2023

For Marayoor Service Co-Operative Bank

*For Marayoor Service Co-Operative
Bank Ltd No.2022*

Authorised Signatory


Secretary

ARTICLE 1

DEFINITIONS



For this Tender, terms set forth in this **Article 1.1**, when employed in singular or plural form, are defined to mean, unless the context otherwise requires, the following.

- 1.1 **Project** means construction of **217.08 M³ Jaggery Processing Plant** as per Drawing No. LSGD 1.1A and the specifications given as the Annex.1 at the premises of **MARAYOOR SERVICE CO-OPERATIVE BANK NO.2022, MARAYOOR PO, IDUKKI, KERALA – 685620.**
- 1.2 **Civil Construction** means and includes Plinth, PCC Floor, Walls, Workers Toilet block, Septic tank, etc., as detailed in **Drq.No. LSGD 1.1A** attached as Annex.1 & Estimation given attached as Annex 2
- 1.3 **Bidder/Contractor** means, the Eligible Person / Firm / Co-operative Society or Company who had tendered for **Project** and has been selected to undertake completion of **Project**
- 1.4 **Offer** means sealed offer based on this Tender No.2244_T1/2023 from **Bidder/Contractor** for undertaking **Civil Construction of Project**
- 1.5 **Contract Document** means and includes, Tender Document and acceptance thereof, including conditions, specifications, designs, drawings and formal **Agreement.**
- 1.6 **Contract Value** means the fixed amount, **including all taxes** and duties, offered by **Bidder/Contractor** to complete **Civil Construction of Project.**
- 1.7 **Earnest Money Deposit (EMD)** (equivalent of 2 % of **Contract Value** by Demand Draft from a Scheduled Bank, to be submitted along with **Offer**) is to ensure that **Bidder/Contractor** does not submit a dummy **Offer** or back out at time of Tender opening.

EMD provided by successful **Bidder/Contractor** is retained against **Security Deposit.** In the event of successful **Bidder/Contractor** backing out, respective **EMD** is forfeited.

EMDs from unsuccessful **Bidders/Contractors** are returned within 15 days from date of opening of the **Tender**
- 1.8 **Time of completion** means the period in which the **Civil Construction of Project** is to be completed from the date of signing the **Contract**
- 1.9 **Project Officer** means the executive, duly authorised by **Marayoor Service Co-Operative Bank** as in charge of execution of **Civil Construction of Project** and to whom **Bidder/Contractor** will report all technical aspects of **Civil Construction of Project**
- 1.10 **Certificate of Practical Completion** is the certificate issued by **Project Officer**, confirming that **Bidder/Contractor** has **completed** the contractual obligations as per **Offer.**
- 1.11 **Defects liability period** of 12 months is a period of time following **Practical Completion.** If any defect during this period is observed and notified by **Project Officer**, **Bidder/Contractor** shall rectify the same at his cost.

- 1.12 Performance Guarantee** of 5% of **Contract Value** and for a period of 12 months from date of **Completion Certificate**, is against due and faithful completion of **Project**.
- After adjusting the **EMD**, balance of **Performance Guarantee** may be recovered by percentage deduction from the successful **Bidder/ Contractor's**, respective "on account" bills.
- 1.13 Performance Guarantee** amount shall be returned to the **Bidder/Contractor** after expiry of **Defects liability period**, (subject to **Bidder/Contractor** rectifying defects, if any during the period) against **No Claim Certificate** issued by **Project Officer**.
- 1.14 Agreement**, which is part of **Contract Documents**, means the formal Agreement executed between **Secretary, Marayoor Service Co-Operative Bank** and **Bidder/Contractor**. **Agreement** will govern all terms and conditions of completion of **Project**.
- 1.15 Drawings**, which is part of **Contract Documents**, mean the drawings which will form part of **Project** under Permit No..... Issued by Marayoor Gram Panchayath, sanctioning the construction of **Project**.
- 1.16 Specifications** mean the specifications for Materials and Civil Construction specified in **Drawings** which may be amplified, added to or superseded by written instruction of **Project Officer** during **Time of Completion**.

ARTICLE 2

TENDER CONDITIONS

2.1 ELIGIBILITY / QUALIFICATION

Bidder/Contractor must have Experience in Civil Construction of Industrial Buildings and should have constructed at least one building completed within the last three years, cost of construction of which should be above Rs. 50 lacs

If so desired by **Marayoor Service Co-Operative Bank**, **Bidder/Contractor** will make arrangements for **Project Officer** to see the Building.

2.2 Permissions/Approvals

Bidder/Contractor must have all necessary statutory and valid Permissions/Approvals as well as Registration for WCT (Work Contract, Tax), Service Tax etc. necessary, to undertake the **Project**.

2.3 Construction Material

Materials as per specifications in Tender and brought on site by **Bidder/ Contractor** shall be used in construction only after inspection and approval by **Project Officer**



ARTICLE 3

FORM OF TENDER

3.1 Competence

If **Bidder/Contractor** is,

An individual, **Offer** shall be signed with full name and complete address, both permanent address and communication address.

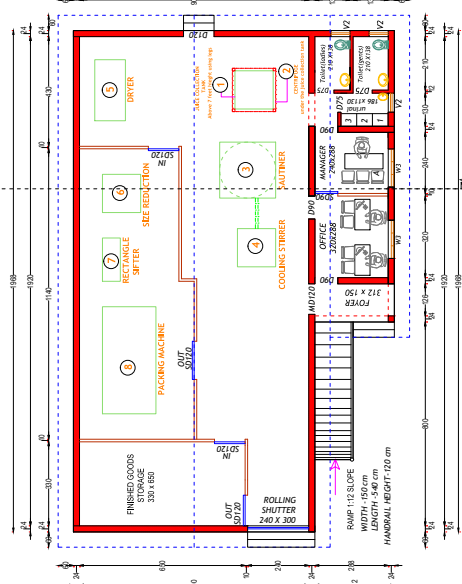
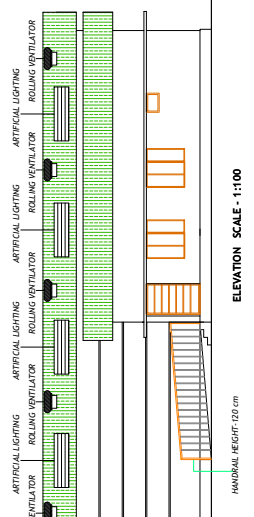
A partnership firm, **Offer** shall be signed by the Managing Partner of the firm. Notarised copy of Registered Partnership Deed of the firm shall be submitted along with **Offer**.

A company incorporated under the companies Act (1 of 1956), **Offer** shall be signed by its Managing Director duly authorised on their behalf and shall bear the official seal of the company.

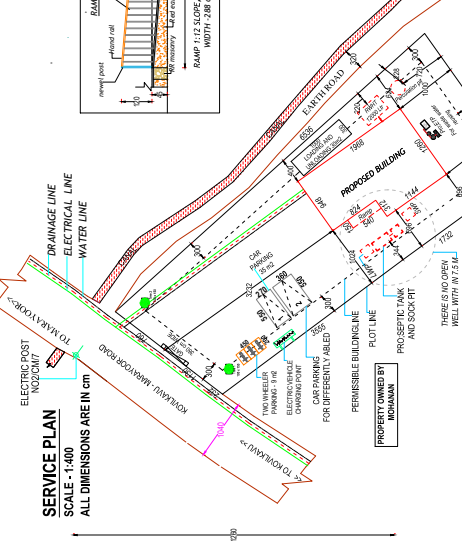
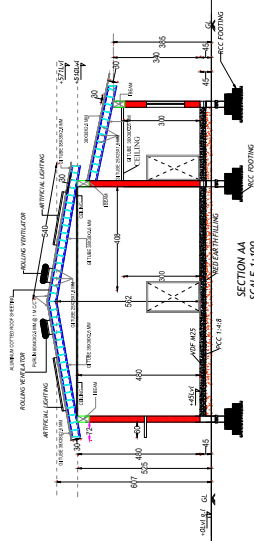
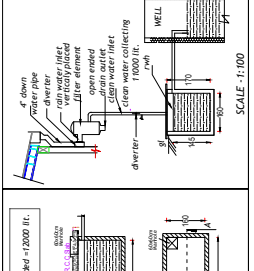
3.2 Covering Letter

Offer shall have a covering letter, signed and sealed, in the following format, typed in the letterhead of **Bidder/Contractor**.

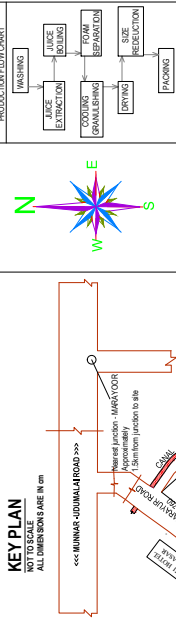
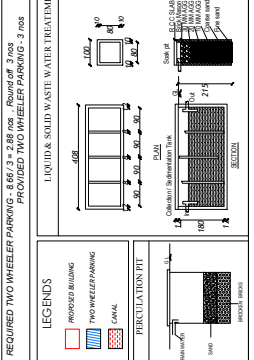
PROPOSED PLAN OF INDUSTRIAL BUILDING FOR SERVICE CO-OPERATIVE BANK MARYOOR @ MARYOOR VILLAGE (OCCUPANCY = G1)



URBAN FORESTRY
1. Planting of minimum one tree per 40sq m of plot area for plots exceeding 400 sq m of area
2. A space of minimum 1m x 1.5 m has to be provided for planting trees
plot area - 809 m², Required trees - 200, 1.79 Required - 1.79 nos, provided = 2 nos

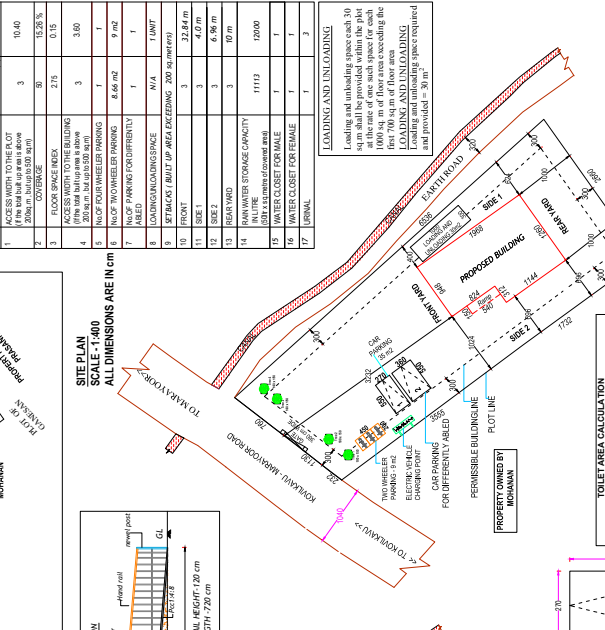


PARKING AREA CALCULATION (G1- INDUSTRIAL BUILDING)
1. FOR EVERY 20M² OF FLOOR AREA = 3.85 x 3.85 m = 14.82 m².
REQUIRED CAR PARKING - 7 nos. - PROVIDED - 7 nos.
2. REQUIRED DIFFERENTLY ABLED PARKING - 7 nos.
TOTAL CAR PARKING = 14 + 3 = 17 (1 for differently abled)
TOTAL CAR PARKING AREA = 14 x 6 + 3 x 6 = 96 m²
TWO WHEELER PARKING @ 25% OF CAR PARKING = 24.6 x 2.5 = 61.5 m²
REQUIRED TWO WHEELER PARKING - 1 no. provided = 2 nos



PRODUCTION FLOW CHART

NO	DESCRIPTION	QTY	HP	RW
1	JUICE	1	-	3.75
2	CENTRIFUGE	1	-	3.75
3	SAUTIMIZER	1	-	5
4	COOKING STRIKER	1	-	8
5	DRYER	1	-	10
6	SIZE REDUCTION	1	-	1.5
7	ROLLING SHUTTER	1	-	1.5
8	PACKING MACHINE	1	-	1.5
9	PACKING	1	-	1.5
10	TRUCK	1	-	1.5
11	TRUCK	1	-	1.5
12	TRUCK	1	-	1.5
13	TRUCK	1	-	1.5
14	TRUCK	1	-	1.5
15	TRUCK	1	-	1.5
16	TRUCK	1	-	1.5
17	TRUCK	1	-	1.5
18	TRUCK	1	-	1.5
19	TRUCK	1	-	1.5
20	TRUCK	1	-	1.5



TOLERANCE CALCULATION

G.L. INDUSTRIAL BUILDING USE CATEGORY

Category	No. of WC	No. of URINALS
1	25 MALE	1
2	15 FEMALE	1
3	1 FOR 25 PERSON	2

TOILET AREA CALCULATION
BUILT UP AREA - 222.25 m²
OCCUPANT LOAD OR CALCULATING SANITATION REQUIREMENTS - 30
AS PER IS 14733 PART 111
NO MALES = 2402.4 x 0.1 = 240.24 → round off = 240
NO FEMALES = 2402.4 x 0.1 = 240.24 → round off = 240
TOTAL NUMBER OF PERSONS = 480
NO OF WC = 1 FOR 8 FEMALE
NO OF URINALS = 1 FOR 25 PERSONS

JOBBER DETAILS

FD	DOOR	150 X 200	1
D1	DOOR	90 X 200	4
D2	ROLLED PVC DOOR	70 X 200	3
R1	ROLLING SHUTTER	300 X 240	1
V1	WINDSHIELD	200 X 150	14
VT	VENTILATOR	60 X 50	3

AREA DETAILS

NO	DESCRIPTION	RECEIPT	PROCESSED
1	ACRES WITHIN THE BLOCK	3	10.40
2	ACRES WITHIN THE BLOCK (If the built up area is above 20m x 30m)	30	0.36 %
3	FLOOR SPACE INDEX	275	0.15
4	ACRES WORTH TO THE BUILDING	3	3.60
5	NO OF FOUR WHEELER PARKING	8.66 m ²	9 m ²
6	NO OF DIFFERENTLY ABLED PARKING	1	1
7	DOWNDRAINING SPACE	N/A	7 UNIT
8	DOWNDRAINING SPACE	2.52 m ²	2.52 m ²
9	NO OF TRENCHES	3	2.00 m
10	NO OF TRENCHES	3	2.00 m
11	NO OF TRENCHES	3	2.00 m
12	NO OF TRENCHES	3	2.00 m
13	NO OF TRENCHES	3	2.00 m
14	NO OF TRENCHES	3	2.00 m
15	NO OF TRENCHES	3	2.00 m
16	NO OF TRENCHES	3	2.00 m
17	NO OF TRENCHES	3	2.00 m

MACHINERY DETAILS

NO	DESCRIPTION	QTY	HP	RW
1	JUICE	1	-	3.75
2	CENTRIFUGE	1	-	3.75
3	SAUTIMIZER	1	-	5
4	COOKING STRIKER	1	-	8
5	DRYER	1	-	10
6	SIZE REDUCTION	1	-	1.5
7	ROLLING SHUTTER	1	-	1.5
8	PACKING MACHINE	1	-	1.5
9	PACKING	1	-	1.5
10	TRUCK	1	-	1.5
11	TRUCK	1	-	1.5
12	TRUCK	1	-	1.5
13	TRUCK	1	-	1.5
14	TRUCK	1	-	1.5
15	TRUCK	1	-	1.5
16	TRUCK	1	-	1.5
17	TRUCK	1	-	1.5
18	TRUCK	1	-	1.5
19	TRUCK	1	-	1.5
20	TRUCK	1	-	1.5

ENGINEER CERTIFICATE (U)
I, the undersigned, certify that the drawings shown in this plan are correct and true to the original as presented to me. I have drawn every part of construction in this plan in accordance with the specifications and standards of the Department of Urban Planning and Construction, Government of Karnataka, Bangalore. I am a duly qualified and registered professional engineer in the State of Karnataka and have been practicing for more than 10 years. I am not aware of any violations of the provisions of the Building Regulation Act, 1986 and the Karnataka Building Regulation Act, 2019 or any other applicable laws. I am not aware of any violations of the provisions of the Building Regulation Act, 1986 and the Karnataka Building Regulation Act, 2019 or any other applicable laws.

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ESTIMATE

RM AGRONATURE PVT LTD

PROJECT :Construction of factory building for jaggery processing centre at marayoor for marayoor service Co Bank -Ltd

DETAILED ESTIMATE							
SI No	No	L	B	H	QTY.	unit	AMOUNT
APPEDIX -A CIVIL CONSTRUCTION							
1	Clearing grass and other overgrowths of vegetation and small trees of girth up to 30 cm including rooting out and removal of rubbish up to a distance of 150 m outside the periphery of the area cleared man coolies engaged for clearing the yard	Sa y	5.00	nos	Rs	Rs	
2	Man mazdoor engaged to remove all the debris and clearing the site for new construction man coolies engaged for clearing the site	Sa y	10.00	no	Rs	e	
3	Earth work excavation in Ordinary soil and depositing on bank with initial lead up to 50 m and lift upto 1.5 m including breaking clods, watering , ramming and sectioning of spoil bank,back filling excess earth ,etc. complete foundation						
	coloumn footing 2x6	12	1.40	1.40	1.200	28.22	
	do	6	1.20	1.20	1.200	10.37	
	septic tank	1	3.90	1.80	1.800	12.64	
						0.00	
	cross wall	3	3.16	0.30	0.225	0.64	
		1	3.36	0.30	0.225	0.23	
	do	1	4.32	0.30	0.225	0.29	
	do	2	3.58	0.30	0.225	0.48	
		1	3.78	0.30	0.225	0.26	
		4	1.89	0.30	0.225	0.51	
		2	1.88	0.30	0.225	0.25	
		3	3.02	0.30	0.225	0.61	
		3	3.38	0.30	0.225	0.68	
		3	1.85	0.30	0.225	0.37	
		1	2.88	0.30	0.225	0.19	
	ramp	2	5.00	0.30	0.300	0.90	
	sock pit	2	1.20	1.20	1.200	3.46	
						60.11	
		Sa y	61.00	m3	Rs	m3	
4	Cement Concrete 1:4:8 using 40 mm (nominal size) broken stone including all labour, material, and conveyance charges etc complete						
	foundation	12	1.40	1.40	0.075	1.76	
	do	6	1.20	1.20	0.075	0.65	
	cross wall botam of plinth beam	5	4.31	0.30	0.075	0.48	
		3	4.73	0.30	0.075	0.32	
		4	3.04	0.30	0.075	0.27	
		2	3.03	0.30	0.075	0.14	
	do	3	4.19	0.30	0.075	0.28	
		3	4.55	0.30	0.075	0.31	
		4	2.88	0.30	0.075	0.26	
	ramp foundation	2	6.00	0.30	0.075	0.27	
	do	1	2.88	0.30	0.075	0.06	
	flooring	1	14.64	9.48	0.075	10.41	
	packing room	1	4.32	4.20	0.075	1.36	
	store	1	4.32	3.00	0.075	0.97	
	toilet	1	3.00	1.32	0.075	0.30	

For Marayoor Service Co-Operative
Bank Ltd No.6023

Secretary



Manager	1	3.00	2.88	0.075	0.65		
office	1	4.44	2.88	0.075	0.96		
ramp	1	6.00	3.12	0.075	1.40		
step	1	1.98	0.90	0.075	0.13		
septic tank	1	3.90	1.80	0.075	0.53		
					6.30		
total					16.71		
	Sa	17.00	m3	Rs		m3	
	y						
5 Cement Concrete 1:1½:3 using 20 mm (nominal size) broken stone for reinforced concrete work including all labour, material, and conveyance charges etc complete for column footing							
main building(2x6) footing F2 first step	12	1.20	1.20	0.30	5.18		
second step	12	0.80	0.80	0.30	2.30		
lean to and end wall F1 first step	6	1.00	1.00	0.30	1.80		
do	6	0.60	0.60	0.30	0.65		
					9.94		
	Sa	10.00	m3	Rs		m3	
	y						
6 Cement Concrete 1:1½:3 using 20 mm (nominal size) broken stone for reinforced concrete work including all labour, material, and conveyance charges etc complete for plinth beam							
lengthwise B1	2	3.040	0.24	0.50	0.73		
	2	3.045	0.24	0.50	0.73		
	2	3.045	0.24	0.50	0.73		
	3	4.740	0.24	0.50	1.71		
	5	4.320	0.24	0.50	2.59		
crosswise	3	4.175	0.24	0.50	1.50		
	3	4.535	0.24	0.50	1.63		
	4	2.905	0.24	0.50	1.39		
toilet	1	1.320	0.24	0.30	0.10		
ramp	1	6.000	0.24	0.30	0.43		
do	1	3.120	0.24	0.30	0.22		
					11.77		
	say	12.000	m3	Rs		m3	
7 Reinforced cement concrete M30 (one part cement one and half part sand three part 20 mm metal total cement per m3 not less than 400 kg) including all form works, watering , curing, etc complete but excluding cost of reinforcement for COLUMNS in Ground floor							
main building	12	0.240	0.25	5.62	4.05		
do	3	0.240	0.24	5.62	0.97		
leanto roof	3	0.240	0.24	4.52	0.78		
					5.80		
	say	6.000	m3	Rs		m3	
8 supplying and spreading and compacting contractor's own earth cut and conveyed from out side							
factory room	1	14.640	9.48	0.38	52.05		
packing room	1	4.320	4.20	0.38	6.80		
store	1	4.320	3.00	0.38	4.86		
toilet	1	4.320	1.32	0.53	2.99		
manager room	1	3.000	2.88	0.53	4.54		
office	1	4.140	2.88	0.53	6.26		
verendah	1	1.500	2.88	0.53	2.27		
ramp	1	6.000	2.88	0.30	5.18		
					84.95		
	say	85.000	m3	Rs		m3	

**For Marayoor Service Co-Operative
Bank Ltd No.2022**

(Signature)
Secretary



9	Cement concrete solid block masonry in CM 1:6 using CC blocks of 30x20x15cm size, locally made best quality for super structure. Ground floor						
	lengthwise B1	2	3.030	0.24	4.05	5.89	
		2	3.035	0.24	4.05	5.90	
		2	3.035	0.24	4.05	5.90	
		2	4.730	0.24	4.05	9.20	
		1	4.730	0.24	2.94	3.34	
		4	4.320	0.24	4.05	16.80	
		1	4.320	0.24	2.94	3.05	
	crosswise	3	4.200	0.24	4.05	12.25	
		3	4.560	0.24	4.05	13.30	
		3	2.880	0.24	3.50	7.25	
	ramp	1	6.000	0.24	0.30	0.43	
	do	1	3.120	0.24	0.30	0.22	
	sock pit	1	3.84	0.24	1.20	1.11	
	steps	1	1.98	0.90	0.15	0.27	
		1	1.98	0.60	0.15	0.18	
		1	1.98	0.30	0.15	0.09	
						85.16	
	deduct for doors and windows						
	door	2	1.50	0.24	2.10	1.51	
		1	1.20	0.24	2.10	0.60	
		2	0.90	0.24	2.10	0.91	
		1	0.80	0.24	2.10	0.40	
	windows	14	2.00	0.24	1.50	10.08	
						13.51	
	total less deduction					71.65	
		Sa	72.00	m3	Rs		m3
		y					
10	Reinforced cement concrete 1:1½:3 (one part cement one and half part sand three part 20 mm metal) including all form works, watering , curing, etc complete but excluding cost of reinforcement for SUNSHADE LINTLE BEAMS in						
	lintels	5	4.32	0.24	0.15	0.78	
	toilet	3	4.73	0.24	0.15	0.51	
	do cross wall	4	3.04	0.24	0.15	0.44	
		2	3.03	0.24	0.15	0.22	
	other side	3	4.19	0.24	0.15	0.45	
		3	4.55	0.24	0.15	0.49	
	do	3	2.88	0.24	0.15	0.31	
	beam for ramp side	1	2.88	0.24	0.30	0.21	
	sunshade	2	20.88	0.60	0.08	2.00	
	do	2	12.60	0.60	0.08	1.21	
	beam for rolling shutter	1	3.48	0.24	0.30	0.25	
	top beam allround	5	4.32	0.24	0.50	2.59	
		3	4.73	0.24	0.50	1.70	
		4	3.04	0.24	0.50	1.46	
		2	3.03	0.24	0.50	0.73	
	other side	3	4.19	0.24	0.50	1.51	
		3	4.55	0.24	0.50	1.64	
		3	2.88	0.24	0.30	0.62	
		1	2.88	0.24	0.30	0.21	
						17.33	
		Sa	18.00	m3	Rs		m3
		y					
11	Reinforced cement concrete 1:1½:3 (one part cement one and half part sand three part 20 mm metal) including all form works, watering , curing, etc complete but excluding cost of reinforcement for septic tank						

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		2	3.30	0.15	1.80	1.78		
		4	0.90	0.15	1.80	0.97		
						2.75		
		Sa y	3.00	m3	Rs			m3
12	Reinforced cement concrete 1:11/2:3 (one part cement one and half part sand three part 20 mm metal including all form works, watering, curing, etc complete but excluding cost of reinforcement for pre cast slabs							
	bottom wearing coat for septic tank	3	0.90	0.90	0.05	0.12		
	cover slab for septic tank	1	3.30	1.20	0.12	0.48		
	do for sock pit	1	1.20	1.20	0.12	0.17		
						0.77		
		Sa y	1.00	m3	Rs			m3
13	Cement Concrete 1:1 1/2:3 using 20 mm (nominal size) broken stone for reinforced concrete work including all labour, material, and conveyance charges etc complete * Vacuum Dewatered Flooring (V D F) (Ready mixed concrete as per approved quality)total cement per m3 not less than 350 kg and approved hardening compounds as directed by the							
	packing room	1	4.32	4.20	0.15	2.72		
	storage	1	4.32	3.00	0.15	1.94		
	factory hall	1	14.64	9.48	0.15	20.82		
						25.48		
		Sa y	26.00	m2	Rs			m3
14	Reinforcement for RCC works, bend, tied and placed in position (plain grill requiring bending cold) using tore steel including all labour, material, and conveyance charges etc complete							
	coloumn footing		9.94					
	plinth beam		11.77					
	coloumn		5.80					
	intel beam and sunshade		17.33					
	septic tank		2.75					
	cover slab		0.77					
	VDF flooring		25.48					
			73.84	100kg/m 3	7383.9	7390.00		
		Sa y	73.90	q	Rs			q
15	Plastering with cement mortar 1:3, 9mm thick two coat floated hard and trowelled smooth including all labour, material, conveyance charges etc complete topside of sunshade roofslab etc..							
	sunshade top and bottom	4	20.88	0.65		54.29		
		4	12.60	0.65		32.76		
						87.05		
		Sa y	88.00	m2	Rs			m2
16	Plastering with cement mortar 1:4, 12mm thick one coat floated hard and trowelled smooth including all labour, material, conveyance charges etc complete							
	packing room	1	17.04		4.50	76.68		
	storage	1	14.64		4.50	65.88		
	toilet	1	8.64		4.50	38.88		
	manager	1	11.76		3.30	38.81		
	office	1	14.28		3.30	47.12		
	factory hall		47.28		4.50	212.76		
	out side	1	64.52		4.50	290.34		

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	basement	1	64.52		0.60	38.71		
	piller	1	0.96		3.00	2.88		
	sit out	1	8.76		3.30	28.91		
						840.97		
	deduct for doors and window							
	door	1	1.20		2.10	2.52		
	do	2	0.90		2.10	3.78		
		1	0.80		2.10	1.68		
	entrance	2	1.50		2.10	6.30		
	windows	14	2.00		1.50	42.00		
	ventolator	1	0.90		0.45	0.41		
						56.69		
	total less deduction					784.29		
		say	785.00	m2	Rs		m2	
17	Fabricated Steel windows with 40 mm x40 mm 16 guage GP square tube weighing 1.27 kg/m ,with window bars 20 mm x20 mm 16 guage GP square tube,weighing 0.83 kg/m,including cost of materials,conveyence , cutting welding fabricating hoisting in position with one coat anti-corrosive epoxy primer and two coat synthetic enamel paint etc.							
	ventilator	1	0.90		0.45	0.41		
		14	2.00		1.50	42.00		
						42.41	m2	
		Sa	43.00	m2	Rs		m2	
	y							
18	Fabricating and supplying openable Aluminium window using Aluminium section pure polyester powder coated shutter frame using 4mm plain glass ncluding hinges handle tower bolt etc.. cost and conveyance etc. Complete							
	door packing	2	1.50		2.10	6.30	m2	
						6.30	m2	
		Sa	7.00	m2	Rs		m2	
	y							
19	supplying and fixing Steel doors body made of high quality UV protected Galvalume Sheets and State-of-Art technology with unique features like multi-point, multi-position lever and half circle locking systems, sawing resistant lock point, unique finish, non-duplicable key, installation accessories etc. The doors are supported by four sets of heavy duty copper coated 304 SS hinges and user friendly wide copper peep hole etc. . created out of high quality Galvalume steel , structured with two side panel with middle strengthen panels and rock wool/ honey comb material stuffing in between and are finished in eye-catching wooden textures with durable special Matt Finish Heat Transmission Painting Technology (MHTPT), with color guard and UV resistant							
	door	1	1.20		2.05	2.46		
		2	0.90		2.05	3.69		
						6.15		
		say	7.00	m2	Rs		m2	
20	Supplying and fixing Rolling shutters of approved make and painted with a priming coat of iron primer, made of 80X 1.25mm MS laths in interlocked together through their entire length and jointed together at the end by the end locks mounted on specially designed pipe shaft, with brackets , side guides and arrangements for inside and outside locking with push and pull operation , etc complete							
		1	1.50		3.00	4.50		
		1	3.00		3.00	9.00		
						13.50		

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		Sa y	14.00	m2	Rs		m2
21	Dadoing walls with best glazed coloured tiles 7.5 mm thick or nearest in 12mm in CM 1:3 and pointing with coloured cement including all labour, material, conveyance charges etc complete						
	toilets	1	8.64		2.40	20.74	
						20.74	
	deduct for doors	1	0.80		2.10	1.68	
						1.68	
	total less deduction					19.06	
		Sa y	20.00	m2	Rs		m2
22	Supplying ,paving, anti skid ceramic tiles of good quality and colour over 12mm thick cm 1:3,adding pure cement grout for the proper binding of the tiles , including pointing the joints and closing the voids with cement of the colour to match to smooth finish, etc. complete,						
	toilet	4	1.32	3.00		15.84	
						15.84	
		Sa y	16.00	m2	Rs		m2
23	Flooring with Vitrified floor tiles over a bed of cement plaster 1:3,12mm thick,with uniform spacing 2 mm pointing with epoxy finish of suitable colour to match including all cost and labour charges.						
	manager's room	1	2.88	3.00		8.64	
	skirting	1	11.76	0.15		1.76	
	office	1	2.88	4.14		11.92	
	skirting	1	14.04	0.15		2.11	
	verandah	1	3.12	1.74		5.43	
						29.86	
		Sa y	30.00	m2	RS		m2
24	Flooring with anti-skid Eurocon flooring tiles 12mm thick in CM 1:3 and pointing with coloured cement including all cost						
	ramp	1	6.00	3.12		18.72	
		Sa y	19.00	m2	Rs		m2
25	Providing gypsum board ceiling to GI plated grids frame work fixed to GI plated angle hangers which anchored to RCC slab including drilling RCC slab and fixing with necessary bolts, nuts, plastic plugs and gypsum boards fixed to grids frame work, all cost, conveyance and labour charges etc.						
	toilet	1	1.32	3.00		3.96	
	office room	1	2.88	4.14		11.92	
						24.52	
		Sa y	25.00	m2	Rs		m2
26	Painting two coats with ready mixed plastic emulsion paint approved quality paint as specified and including priming coat after rubbing with sand paper and cleaning the surface						
	area as per plastering					785.00	
	sunshade					87.05	
						872.05	
		Sa y	873.00	m2	Rs		m2

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27	Supplying and fitting moulded single panelled shutters Fibre Reinforced Plastic as per standard drawings with PVC door frame including all labour charges for fixing all fittings etc.	Sa y	1.00	nos	Rs		e
28	Supplying and fixing European type white glazed earthen ware W.C. pan (Indian make - best quality) with trap Duro plastic lid, Low level flush tank. including all necessary fittings ,cutting and making good the walls, floors etc complete	Sa y	1.00	no	Rs		e
29	Supplying and fixing 550 x400 mm or nearest size wash hand basin of Colour glazed earthen ware (Indian make - best quality) with CI brackets , 15mm CP brass pillar taps, and 15 GM wheel valve, PVC connector, PVC waste pipe 32 mm dia., including cutting and making good the walls, painting the brackets and waste connections etc with suitable paint two coats etc, complete (Indian fittings- best quality) wash area	Sa y	3.00	nos	Rs		e
30	Supplying and fixing white glazed earthen ware flat back lipped front urinal of size 430x 230x 350 mm (Indian make - best quality) with 7.5 l capacity with automatic flushing system with fittings, CI brackets, flush pipe 25 mm dia of required length, etc, complete, and making good the walls.	Sa y	1.00	NO	Rs	2100.00	e
31	Supplying and fixing health faucet including cost, labour charges etc. complete.	Sa y	1.00	no	Rs		e
32	Supplying 450x300mm nearest size bevelled edge coppered back mirror of Indian superior make glass, with hard board or plastic sheet on the rear and fixing the same in position with necessary T.W plugs embedded in cement mortar and screwed on to it with CP fixing screws	Sa y	3.00	nos	Rs		e
33	Supplying and fixing C.P. Tap- long body 15mm of good	Sa y	6.00	nos	Rs		e
34	Shower hose ,CP ordinary Heavy duty best quality	Sa y	1.00	no	Rs		e
35	225mmx225mm or nearest size C.I.Grating	Sa y	2.00	no	Rs		e
36	Good quality Stainless steel soap tray	Sa y	3.00	no	Rs		e
37	Supplying and fixing Nozzle Bib Cock Nozzle Tap with Handle Valve Brass Valve for Hose Pipe Connection for Gardening Watering Washing Machine Bikes Cars (1/2 Inch, Brass with Nickel Coating) outside	Sa y	2.00	no	Rs		e
38	Supplying and fixing 110 mm PVC pasted pipe for Sanitary purpose 4 kg/cm2 including all necessary fittings cost of solvent and labor charges						

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		Sa y	10.00	m	Rs		m
34	Supplying and fixing 50 mm PVC pasted pipe (water supply purpose 6 kg/cm ²)						
		Sa y	30.00	m	Rs		m
35	Supplying and fixing 32 mm PVC pasted pipe (water supply)						
		Sa y	30.00	m	Rs		m
36	Supplying and fixing 25 mm PVC pasted pipe (water supply purpose 8 kg/cm ²)						
		Sa y	50.00	m	Rs		m
37	Supplying and fixing 20 mm PVC pasted pipe (water supply purpose 8 kg/cm ²)						
		say	30.00	m	Rs		m
38	Supplying and fixing in position and making connections for PVC water storage tank						
	ground level storage tank	Sa y	5000.00	litter	Rs		litter
41	Excavator engaged for removal of excess earth from site as actual requirement at site	Sa y	6.00	hours	Rs		hr.
42	Providing and fixing Stain less Steel grade 304 pipe for hand rails, using 50 mm dia, stain less steel pipe for top rail and 25 mm dia pipe for balusters and horizontals at suitable spacing, fixing in position including cost of accessories, fabrication, grinding joints, smoothing, machine polishing etc.						
	hand rails for veranda and ramp	1	6.00		6.00		m
		Sa y	6.00	m	Rs		m
	Appendix A total				Total		
	APPENDIX B ROOFING						
1	Design, supply, fabrication, and erection of built up steel sections confirmed to IS2016, E250 Grade steel	say	19.68	12.6	4.5	5	Tons
		say	5000.00	kg	Rs		/kg
2	Supply and fixing of cold form steel purlins and girts 345 MPA Yield strength	say	19.68	12.6	4.5	2.00	tons
		say	2000.00	kg	Rs		/kg
3	Supply and fixing of 0.45mm thick roofing sheet galvalume	say	20.3 m	13.30 m		270.00	m ²
		say	2905.00	sq. feet	Rs		/Sq. feet
4	Supply, laying and fixing of roof ridge 0.45 thick galvalume sheet	say	20				Running meter
		say	20.00	Running meter	Rs		/Running meter
5	Supply, laying and fixing of rain gutter made of galvalume sheet	say	20.00				Running meter
		say	20	Running meter	Rs		/Running meter
6	Side trim	say	25				Running meter
		say	25.00	Running meter	Rs		/Running meter
7	Supplying and fixing eve board with 8 mm thick plain fibre cement board sheets having an average width of 12 cm with lines and levels						
	all round	1	62.43		0.30		

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		Sa y	19.00	m2	Rs		m2
TOTAL APPENDIX B Roof							
Electrification							
a	Electrification the whole building (open wiring with concealed switch board)with necessary electrical light , fan plug points and power points for heavy equipment's motor and pump set ,fridge, etc...as per direction using ISI marloed cables, pipes switch board, etc.. Of good quality 2.5 % of the total estimate cost					3%of total amount	
	total amount appendix A and B	Rs					say
b	Supplying and fixing 7 watt White LED Down light, Mount Plastic and Acrylic Diffuser Body ,Cool White LED light for Office , Kitchen, Living Room, Drawing Room, Conference Hall, Lobby, Showroom etc.. Compact and Sleek Design with connections with connections with one year Warranty.						
		Sa y	38.00	nos	Rs		e
d	Supplying and fixing 36 Watt Waterproof Smart Led Street Light for Outdoor Purposes with all connections and one year Warranty.						
		Sa y	10.00	nos	Rs		e
e	Supplying and fixing ceiling fan of Blade size- 1200 mm (48 Inches) Metallic paint finish, Motor with decorative ring, Optimum performance even at low voltage, bearings Warranty: 2 years on product Power: 72 watts Includes: Fan motor, Blade set, Down rod, Canopy set, Shackle kit, Twisted wire and Guarantee card any of the following brands Crompton, Havells, Orient or V-guard						
		Sa y	20.00	nos	Rs		e
						total	
ABSTRACT							
APPENDIX A CIVIL CONSTRUCTION TOTAL							
APPENDIX B ROOFING							
APPENDIX C ELECTRIFICATION							
Total A+B+C							
unfor seen items and contingencies							
						Rs	

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