



**MANI AMMA**  
*CHAITANYA*  
*SHRAVANTHI*

**MANI AMMA CHAITANYA SHRAVANTHI**  
At-D.No 1-14, Pujaripakalu, G.K.Veedhi Mandal  
Dist-Visakhapatnam, Andhra Pradesh, PIN-531133  
Telephone- 08937-237437 Mob No -91-9440767034/ 8500254151  
Mail : [manyammacs@gmail.com](mailto:manyammacs@gmail.com)

**TENDER DOCUMENTS**  
**CONSTRUCTION OF COMMON FACILITY CENTRE**  
**FOR**  
**VISAKHAPATNAM COFFEE CLUSTER IN G.K.VEEDHI MANDAL, VISAKHAPATNAM DISTRICT IN**  
**ANDHRA PRADESH**

**To Establish**

**COMMON FACILITY CENTRE (CFC) OF VISAKHAPATNAM COFFEE CLUSTER IN G.K.VEEDHI**  
**MANDAL, VISAKHAPATNAM DISTRICT IN ANDHRA PRADESH**



**barefoot college**  
INTERNATIONAL

**Prepared by**

**BAREFOOT COLLEGE INTERNATIONAL**  
(Technical Agency – SFURTI Coffee Cluster, Andhra Pradesh)  
E-mail: [allen@barefootcollege.org](mailto:allen@barefootcollege.org)  
Website: [www.barefootcollege.org](http://www.barefootcollege.org)

**AUGUST 2020**

**TENDER NOTICE (No.SFURTI/AP-VSKP/ADL-002/2020-21)**

(Construction of Common Facility Centre, VISAKHAPATNAM COFFEE CLUSTER IN G.K.VEEDHI MANDAL, VISAKHAPATNAM DISTRICT IN ANDHRA PRADESH)

Sealed tenders are invited from **licensed registered Civil Engineers/ Contractors of class B & A** (having minimum three years of experiences in building construction) for establishment of Common Facility Centre at: G.K.VEEDHI MANDAL, VISAKHAPATNAM DISTRICT IN ANDHRA PRADESH being facilitated by MANI AMMA CHAITANYA SHRAVANTHI. Tender should be submitted in double bid system (technical and financial bid separately) along with earnest money of **Rs. 93,117/-(Rupees Ninety-Three Thousand One Hundred Seventeen Rupees only)** and can be deposited at the above address up to 05.00 PM of Dt. 15.10.2020. Tenders received will be opened before the Technical Committee of the proposed Common Facility Centre on **Dt. 16.10.2020** at 11.00 AM.

This is a percentage-based tender. Tender form can be obtained from **MANI AMMA CHAITANYA SHRAVANTHI, At- D.No 1-14, Pujaripakalu, G.K.Veedhi Mandal, Dist-Visakhapatnam, Andhra Pradesh, PIN-531133** on any working day between **Dt. 25.09.2020** to **Dt.15.10.2020** from 10.00 AM to 05.00 PM by payment of Rs. 10,000/-. Tender forms can also be downloaded from the web site of **Barefoot College International, (BCI)**, New Delhi i.e [www.barefootcollege.org](http://www.barefootcollege.org). A demand draft of Rs. 10,000/- purchased in favor of **MANI AMMA CHAITANYA SHRAVANTHI** should be enclosed along with the Bid for the Tender Forms downloaded from the website.

The details of works and Terms and Conditions are available in the Tender Form. Secretary, **MANI AMMA CHAITANYA SHRAVANTHI**, G.K.Veedhi reserves the right to cancel any or all the Tenders without assigning any reason.

**SECRETARY**

**MACS, G.K.VEEDHI**

<b>Bid</b>	<b>Part-1 Scope of the Work - Civil Works Only</b>			
<b>S No</b>	<b>DESCRIPTION OF THE WORK</b>	<b>UNIT OF AREA (SFT)</b>	<b>RATE PER UNIT</b>	<b>AMOUNT (Rs)</b>
1	Ware house with Coffee Roasting Room	1800	1339.1	2410380
2	Warehouse (Machine Shed)	1200	1072.3	1286760
3	Nursery	300	1662.3	498690
4	Drying Yard	40000	11.5	460000
	<b>Total Civil Estimate</b>	<b>43300</b>		<b>4655830</b>

**Footnotes: (INR 42 Lakhs supported by GOI MSME SFURTI and 4.5 Lakhs supported by IA/SPV.)**

**DESCRIPTION OF WORK**  
**ABSTRACT OF COST- Ware house with Coffee Roasting Room**

**BUILT UP AREA 1800 SFT**

S No	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1	Earth work excavation building foundations and depositing on bank for all lifts and with an initial lead of 10m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., complete for finished item of work including seigniorage excluding dewatering charges in ordinary sil-means up to 3mtrs depth etc as per SSB (APSS308) for ordinary soil-manual up to 3.0m	cum	73.50	250.00	18375
2	Earth work excavation for foundations and depositing on bank for all lifts and with an initial lead of 10m including all operational, incidental, seigniorage charges, labour charges such as shoring, sheeting, planking, strutting, dewatering etc. complete for finished item of work as per SS - 20 B (APSS 308). for curtain walls.	cum	23.34	150.00	3501.225
3	Plain Cement Concrete (1:4:8) prop. (cement: fine aggregate: Coarse aggregate) using 40mm size HBG (IS383, 1970) machine crushed metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, mixing concrete in concrete mixer including seigniorage charges, sales & other taxes on all materials all operational, incidental and labour charges such as laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete etc., complete for finished item of work (APSS No. 402) for Levelling Course and Flooring Bed	cum	11.35	3715.00	42157.36
4	Plain Cement Concrete (1:5:10) prop. (cement: fine aggregate: Coarse aggregate) using 40mm size HBG (IS383, 1970) machine crushed metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, mixing concrete in concrete mixer including seigniorage charges, sales & other taxes on all materials all operational, incidental and labour charges such as laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete etc., complete for finished item of work (APSS No. 402) for flooring Bed	cum	21.54	3350.00	72150.16
5	Filling with useful available excavated earth (excluding rock) in trenches sides of foundations and basement with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T & P etc., complete for finished item of work. (APSS No.309 & 310)	cum	53.92	22.00	1186.291

6	Filling with gravel in trenches sides of foundation and basement with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T & P etc., complete for finished item of work. (APSS NO.309 & 310)	cum	54.83	220.00	12061.78
7	Random Rubble Masonry in cm (1:8)prop. including cost and conveyance of all materials sales and other taxes on all materials and all labour charges for all operations etc., complete for finished item of work for foundation and basement.	cum	28.36	2550.00	72329.03
8	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc.,complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for Footings.	cum	8.10	8210.00	66501
9	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc.,complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for Pedastals.	cum	4.05	8750.00	35437.5

10	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for Plinth beam.	cum	6.89	8850.00	60985.62
11	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for Columns.	cum	5.88	8725.00	51323.94
12	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for Roof beams.	cum	16.66	8822.00	147005.4

13	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for Roof slab 125mm thick.	sqm	169.65	910.00	154383.3
14	Providing High Yield Strength Deformed (HYSD) steel bars (Fe 415 grade as per IS 1786-1979) of different diameters for RCC works, including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and size and tying and lapslicing with binding wire of 18 SWG, forming grills for reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars, including all wastages such as overlaps, couplings, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, laour charges such as cutting, bending placing in position, tying including sales and other taxes on all materials etc., complete for finished item of work in all floors. (APSS No.126)	mts	18.00	48750.00	877500
15	Brick Masonry in superstructure with CM (1:8) prop with Flyash Cement solid blocks of size 290 x 200 x 140 mm, for manufacturing of flyash solid blocks using flyash of 80 kgs, cement of 15 kgs. Gypsum of 5 kgs. and stone dust with a compressive strength not less than 50 kg/sqm including cost and conveyance of all materials, labour charges, seiniorage charges, scaffolding and curing etc., for Superstructure Walls.	cum	33.37	1920.00	64070.4
16	Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for Lintels.	cum	0.70	9851.00	6868.117

17	Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for Sunshades/ chajjas with 75mm thick at fixed end 50mm thick at free end and for a width of 0.60m.	sqm	2.88	803.00	2312.64
18	Gronolithic Concrete Flooring 20 mm thick with (1:1:2), using 6mm to 12 mm size hard granite machine crushed metal laid over CC bed already laid or RCC roof slab, in alternate panels of size not exceeding 1.50 m x 1.50 m and finishing the top surface to required smoothness and slopes and thread lining including cost of all materials like cement, metal, sand and water etc., complete, including seigniorage charges, etc., complete for finished item of work,	sqm	143.58	275.40	39542.59
19	Painting to new internal walls with two (2) coats of ready mixed oil bound washable distemper acrylic base of approved brand and shade over a base coat of cement primer water base interior Grade-I of approved brand, making three (3) coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc., complete for finished item of work in all floors for internal walls (SS 911)	sqm	293.34	98.90	29010.87
20	Painting to New External Walls with two coats of Polymer Plastic Emulsion paint of Asian / Berger / Nerolac / Saicoat / Endocem or equalent quality of approved brand and shade as approved by the Engineer - in - Charge over base coat of cement primer water base grade -II exterior making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work in all floors for external Walls.(APSS No. 911)	sqm	502.79	79.00	39720.17



21	Painting to New wood work with two coats of ready mixed synthetic enamel paint first quality all shades to give an even shade over base coat of wood Primer finishing with putty for wood work after thoroughly brushing the surface to remove all remains including cost and conveyance of all materials to site, sales & other taxes, all operational, incidental and labour charges etc., complete for finished item of work.(3 coats) (APSS No. 1201 & 1212).in All Floors	sqm	21.60	135.00	2916
22	Plastering 20mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) dubara sponge finish including cost and conveyance of all materials like cement, screened sand, water etc., to site, seigniorage charges, sales & other taxes on all materials, all operational, incidental and labour charges such as mixing mortar, scaffolding charges, lift charges, finishing, including cutting of Grooves wherever necessary as directed by Engineer - in - charge, curing, etc., for Uneven Surfaces of Brick Wall complete for finished item of work. (APSS 901,903 & 904)	sqm	379.07	295.00	111824.2
23	Plastering to even surfaces of wall with CM (1:4) Prop: 20mm thick in single coat including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental charges and labour charges such as mixing mortar, finishing, curing, etc., complete for finished item of work. (APSS 901,906)	sqm	49.75	192.50	9577.26
24	Ceiling Plastering with CM(1:3) Prop: 12mm thick in single coat spong finish including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental charges and labour charges such as mixing mortar, finishing, curing, etc., complete for finished item of work. (APSS 901,906)	sqm	183.91	165.00	30344.39
25	Providing impervious coat to exposed RCC roof slab surface with CM(1:3), 20mm thick with 1kg of water proof compound per bag of cement laid over roof when it is green including cost of all materials, seigniorage charges, excluding conveyance charges of materials and including all operational, incidental and labour charges for mixing mortar, laying, rendering smooth and thread lining, curing, rounding off junctions of wall and slab etc., complete for finished item of work	sqm	169.65	215.00	36475.18
26	Towards supply and fixing of rolling shutters and windows	Nos	2.00	40000	80000
27	Provision for electrification	Nos	1	75000	75000
	<b>SUB TOTAL</b>				<b>2142559</b>
28	GST @ 12%				257107.1
29	QC charges @ 0.50%				10712.8
	<b>TOTAL</b>				<b>2410379</b>

## ESTIMATE FOR Ware house with Coffee Roasting Room

Sl.no.	Description of Item	No			Measurements in Mts			Quantity	
					L	B	D		
1	2	3	4	5	6	7	8	9	10
1	Earth work excavation building foundations and depositing on bank for all lifts and with an initial lead of 10m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., complete for finished item of work including seigniorage excluding dewatering charges in ordinary sil-means up to 3mtrs depth etc as per SSB (APSS308) for ordinary soil-manual up to 3.0m								
	column footings	2	x	6	1.75	1.75	2.00	73.50	
								<b>73.50</b>	cum
2	Earth work excavation for foundations and depositing on bank for all lifts and with an initial lead of 10m including all operational, incidental, seigniorage charges, labour charges such as shoring ,sheeting, planking, strutting, dewatering etc. complete for finished item of work as per SS - 20 B (APSS 308). for curtain walls.								
	alround warehouse	1	x	1	55.70	0.75	0.60	25.07	
	3sides verandah	1	x	1	17.17	0.75	0.60	7.73	
	Deduct columns	-2	x	6	1.75	0.75	0.60	-9.45	
								<b>23.34</b>	cum
3	<b>Plain Cement Concrete (1:4:8) prop.</b> (cement: fine aggregate: Coarse aggregate) using 40mm size HBG (IS383, 1970) machine crushed metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, mixing concrete in concrete mixer including seigniorage charges, sales & other taxes on all materials all operational, incidental and labour charges such as laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete etc., complete for finished item of work (APSS No. 402) for <b>Levelling Course and Flooring Bed</b>								
	footings	2	x	6	1.75	1.75	0.15	5.51	
	alround warehouse	1	x	1	55.70	0.75	0.15	6.27	
	3sides verandah	1	x	1	17.17	0.75	0.15	1.93	
	Deduct columns	-2	x	6	1.75	0.75	0.15	-2.36	
								<b>11.35</b>	cum
4	<b>Plain Cement Concrete (1:5:10) prop.</b> (cement: fine aggregate: Coarse aggregate) using 40mm size HBG (IS383, 1970) machine crushed metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, mixing concrete in concrete mixer including seigniorage charges, sales & other taxes on all materials all operational, incidental and labour charges such as laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete etc., complete for finished item of work (APSS No. 402) for <b>flooring Bed</b>								
	<b>Flooring bed</b>								
	warehouse	1	x	1	13.41	9.14	0.15	18.39	
	Ver	1	x	1	14.01	1.50	0.15	3.15	
								<b>21.54</b>	cum

5	<b>Filling with useful available excavated earth</b> (excluding rock) in trenches sides of foundations and basement with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T & P etc., complete for finished item of work. (APSS No.309 & 310)								
	column footings	2	x	6	1.75	1.75	2.00	73.50	
	footings PCC	-2	x	6	1.75	1.75	0.15	-5.51	
	footings	-2	x	6	1.50	1.50	0.30	-8.10	
	Pedestels	-2	x	6	0.75	0.75	0.60	-4.05	
	Columns	-2	x	6	0.30	0.38	1.40	-1.92	
								<b>53.92</b>	cum
6	<b>Filling with gravel</b> in trenches sides of foundation and basement with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T & P etc., complete for finished item of work. (APSS NO.309 & 310)								
	warehouse	1	x	1	13.33	9.14	0.45	54.83	
								<b>54.83</b>	cum
7	<b>Random Rubble Masonry in cm (1:8)prop.</b> including cost and conveyance of all materials sales and other taxes on all materials and all labour charges for all operations etc., complete for finished item of work for foundation and basement.								
	1st footing around building	1	x	1	55.30	0.45	0.45	11.20	
	3 sides of ver	1	x	1	16.72	0.45	0.45	3.39	
	Basement around building	1	x	1	55.30	0.38	0.45	9.46	
	3 sides of ver	1	x	1	16.79	0.45	0.45	3.40	
	Deduct Columns	-1	x	10	0.30	0.38	0.90	-1.03	
								1.95	
								<b>28.36</b>	cum
8	<b>Vibrated Reinforced Cement Concrete M25 Grade</b> corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for <b>Footings</b> .								
	footings	2	x	6	1.50	1.50	0.30	8.10	
								<b>8.10</b>	cum

9	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for <b>Pedastals.</b>								
	Pedestels	2	x	6	0.75	0.75	0.60	4.05	
								<b>4.05</b>	cum
10	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for <b>Plinth beam.</b>								
	alround building	1	x	1	55.30	0.23	0.30	3.82	
	3sidews of ver	1	x	1	16.94	0.23	0.30	1.17	
	Cross beams	1	x	3	9.21	0.23	0.30	1.91	
								<b>6.89</b>	cum
11	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for <b>Columns.</b>								
	columns uptoPB bottom								
	Columns	2	x	6	0.30	0.38	1.40	1.92	
	columns above PBL								
	Col	2	x	6	0.30	0.38	2.90	3.97	
								<b>5.88</b>	cum
12	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for <b>Roof beams.</b>								
	long beams	1	x	5	9.82	0.30	0.75	11.05	
	cross beams	2	x	4	3.12	0.30	0.75	5.62	
								<b>16.66</b>	cum

13	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for <b>Roof slab 125mm thick.</b>								
	over warehouse	1	x	1	14.60	11.62		169.65	
								<b>169.65</b>	sqm
14	Providing High Yield Strength Deformed (HYSD) steel bars (Fe 415 grade as per IS 1786-1979) of different diameters for RCC works, including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and size and tying and lapping with binding wire of 18 SWG, forming grills for reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars, including all wastages such as overlaps, couplings, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, labour charges such as cutting, bending placing in position, tying including sales and other taxes on all materials etc., complete for finished item of work in all floors. (APSS No.126)								
								<b>18.00</b>	MTs
15	<b>Brick Masonry in superstructure with CM (1:8) prop with Flyash Cement solid blocks of size 290 x 200 x 140 mm</b> , for manufacturing of flyash solid blocks using flyash of 80 kgs, cement of 15 kgs. Gypsum of 5 kgs. and stone dust with a compressive strength not less than 50 kg/sqm including cost and conveyance of all materials, labour charges, seigniorage charges, scaffolding and curing etc., for <b>Superstructure Walls.</b>								
	around warehouse	1	x	1	55.30	0.20	2.90	32.07	
	Deduct ventilators	-2	x	4	0.60	0.20	0.45	-0.43	
	Rolling shutters	1	x	2	1.80	0.20	2.40	1.73	
								<b>33.37</b>	cum
16	Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for <b>Lintels.</b>								
	over ventilators	2	x	4	1.20	0.20	0.15	0.29	
	over rolling shutters	1	x	2	3.41	0.20	0.30	0.41	
								<b>0.70</b>	cum
17	Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for <b>Sunshades/ chajjas with 75mm thick at fixed end 50mm thick at free end and for a width of 0.60m.</b>								

	for door	1	x	4	1.20	0.60			2.88	
									<b>2.88</b>	sqm
18	<b>Gronolithic Concrete Flooring 20 mm thick</b> with (1:1:2), using 6mm to 12 mm size hard granite machine crushed metal laid over CC bed already laid or RCC roof slab, in alternate panels of size not exceeding 1.50 m x 1.50 m and finishing the top surface to required smoothness and slopes and thread lining including cost of all materials like cement, metal, sand and water etc., complete, including seigniorage charges, etc., complete for finished item of work,									
	warehouse	1	x	1	13.41	9.14			122.57	
	Ver	1	x	1	14.01	1.50			21.02	
									143.58	Sqm
19	<b>Painting to new internal walls with two (2) coats of ready mixed oil bound washable distemper acrylic base</b> of approved brand and shade over a base coat of cement primer water base interior Grade-I of approved brand, making three (3) coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc., complete for finished item of work <b>in all floors for internal walls</b> (SS 911)									
	Ceiling plastering quantity								183.91	
	inside plastering quantity								109.43	
									<b>293.34</b>	sqm
20	<b>Painting to New External Walls with two coats of Polymer Plastic Emulsion paint</b> of Asian / Berger / Nerolac / Saicoat / Endocem or equalent quality of approved brand and shade as approved by the Engineer - in - Charge over base coat of cement primer water base grade -II exterior making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work <b>in all floors for external Walls.</b> (APSS No. 911)									
	outside plastering quantity								379.07	
	basement plastering quantity								49.75	
	add extra								73.97	
									<b>502.79</b>	sqm
21	<b>Painting to New wood work</b> with two coats of ready mixed synthetic enamel paint first quality all shades to give an even shade over base coat of wood Primer finishing with putty for wood work after thoroughly brushing the surface to remove all remains including cost and conveyance of all materials to site, sales & other taxes, all operational, incidental and labour charges etc., complete for finished item of work.(3 coats) (APSS No. 1201 & 1212).in All Floors									
	rolling shutters	2	x	2	1.80		2.40		17.28	
	Ventilators	8	x	2	0.60		0.45		4.32	
									<b>21.60</b>	sqm

22	<b>Plastering 20mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4)</b> dubara sponge finish including cost and conveyance of all materials like cement, screened sand, water etc., to site, seigniorage charges, sales & other taxes on all materials, all operational, incidental and labour charges such as mixing mortar, scaffolding charges, lift charges, finishing, including cutting of Grooves wherever necessary as directed by Engineer - in - charge, curing, etc., for <b>Uneven Surfaces of Brick Wall</b> complete for finished item of work. (APSS 901,903 & 904)							
	inside warehouse	1	x	1	55.10		3.53	194.23
	out side	1	x	1	55.50		3.53	195.64
	Deduct Ventilators	2	x	4	0.60		0.45	-2.16
	Rolling shutters	1	x	2	1.80		2.40	-8.64
								<b>379.07</b>
								sqm
23	<b>Plastering to even surfaces of wall with CM (1:4) Prop: 20mm thick in single coat</b> including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental charges and labour charges such as mixing mortar, finishing, curing, etc., complete for finished item of work. (APSS 901,906)							
	Basement alround	1	x	1	55.28		0.90	49.75
								<b>49.75</b>
								sqm
24	<b>Ceiling Plastering with CM(1:3) Prop: 12mm thick in single coat spong finish</b> including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental charges and labour charges such as mixing mortar, finishing, curing, etc., complete for finished item of work. (APSS 901,906)							
	inside hall	1	x	1	13.41	9.44		126.59
	Ver	1	x	1	14.61	1.50		21.92
	beams sides	2	x	3	9.44	0.63		35.40
								<b>183.91</b>
								sqm
25	<b>Providing impervious coat</b> to exposed RCC roof slab surface with CM(1:3), 20mm thick with 1kg of water proof compound per bag of cement laid over roof when it is green including cost of all materials, seigniorage charges, excluding conveyance charges of materials and including all operational, incidental and labour charges for mixing mortar, laying, rendering smooth and thread lining, curing, rounding off junctions of wall and slab etc., complete for finished item of work							
	over warehouse	1	x	1	14.60	11.62		169.65
								<b>169.65</b>
								sqm
26	Towards supply and fixing of rolling shutters and windows							
		1	x	2				2.00
								Nos
27	Provision for electrification							
							LUMPSUM	

**ABSTRACT OF COST- Ware House (Machine Shed)**

**BUILT UP AREA 1200 SFT**

S No	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1	Earth work excavation building foundations and depositing on bank for all lifts and with an initial lead of 10m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., complete for finished item of work including seigniorage excluding dewatering charges in ordinary sil-means up to 3mtrs depth etc as per SSB (APSS308) for ordinary soil-manual up to 3.0m	cum	61.25	250.00	15312.5
2	Earth work excavation for foundations and depositing on bank for all lifts and with an initial lead of 10m including all operational, incidental, seigniorage charges, labour charges such as shoring ,sheeting, planking, strutting, dewatering etc. complete for finished item of work as per SS - 20 B (APSS 308). for curtain walls.	cum	19.05	150	2857.95
3	Plain Cement Concrete (1:4:8) prop. (cement: fine aggregate: Coarse aggregate) using 40mm size HBG (IS383, 1970) machine crushed metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, mixing concrete in concrete mixer including seigniorage charges, sales & other taxes on all materials all operational, incidental and labour charges such as laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete etc., complete for finished item of work (APSS No. 402) for Levelling Course and Flooring Bed	cum	9.36	3715	34761.26
4	Plain Cement Concrete (1:5:10) prop. (cement: fine aggregate: Coarse aggregate) using 40mm size HBG (IS383, 1970) machine crushed metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, mixing concrete in concrete mixer including seigniorage charges, sales & other taxes on all materials all operational, incidental and labour charges such as laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete etc., complete for finished item of work (APSS No. 402) for flooring Bed	CUM	19.86	3350	66546.88
5	Filling with useful available excavated earth (excluding rock) in trenches sides of foundations and basement with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T & P etc., complete for finished item of work. (APSS No.309 & 310)	CUM	44.94	22	988.5755
6	Filling with gravel in trenches sides of foundation and basement with intial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T & P etc., complete for finished item of work. (APSS NO.309 & 310)	CUM	50.80	220	11175.02



7	Random Rubble Masonry in cm (1:8)prop. including cost and conveyance of all materials sales and other taxes on all materials and all labour charges for all operations etc., complete for finished item of work for foundation and basement.	CUM	23.65	2550	60299.9
8	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc.,complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for Footings.	CUM	6.75	8210	55417.5
9	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc.,complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for Pedastals.	CUM	3.38	8750	29531.25
10	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc.,complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for Plinth beam.	CUM	6.02	8850	53273.11

11	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for Columns.	CUM	4.90	8725	42769.95
12	Brick Masonry in superstructure with CM (1:8) prop with Flyash Cement solid blocks of size 290 x 200 x 140 mm, for manufacturing of flyash solid blocks using flyash of 80 kgs, cement of 15 kgs. Gypsum of 5 kgs. and stone dust with a compressive strength not less than 50 kg/sqm including cost and conveyance of all materials, labour charges, seigniorage charges, scaffolding and curing etc., for Superstructure Walls.	CUM	26.04	1920	50005.63
13	Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for Lintels.	CUM	0.70	9851	6868.117
14	Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for Sunshades/ chajjas with 75mm thick at fixed end	SQM	2.88	803	2312.64

	50mm thick at free end and for a width of 0.60m.				
15	Gronolithic Concrete Flooring 20 mm thick with (1:1:2), using 6mm to 12 mm size hard granite machine crushed metal laid over CC bed already laid or RCC roof slab, in alternate panels of size not exceeding 1.50 m x 1.50 m and finishing the top surface to required smoothness and slopes and thread lining including cost of all materials like cement, metal, sand and water etc., complete, including seigniorage charges, etc., complete for finished item of work,	SQM	132.43	275.4	36471.66
16	Painting to new internal walls with two (2) coats of ready mixed oil bound washable distemper acrylic base of approved brand and shade over a base coat of cement primer water base interior Grade-I of approved brand, making three (3) coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc., complete for finished item of work in all floors for internal walls (SS 911)	SQM	109.43	98.9	10822.63
17	Painting to New External Walls with two coats of Polymer Plastic Emulsion paint of Asian / Berger / Nerolac / Saicoat / Endocem or equalent quality of approved brand and shade as approved by the Engineer - in - Charge over base coat of cement primer water base grade -II exterior making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work in all floors for external Walls.(APSS No. 911)	SQM	392.74	79	31026.3

18	Painting to New wood work with two coats of ready mixed synthetic enamel paint first quality all shades to give an even shade over base coat of wood Primer finishing with putty for wood work after thoroughly brushing the surface to remove all remains including cost and conveyance of all materials to site, sales & other taxes, all operational, incidental and labour charges etc., complete for finished item of work.(3 coats) (APSS No. 1201 & 1212).in All Floors	SQM	21.60	135	2916
	Plastering 20mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) dubara sponge finish including cost and conveyance of all materials like cement, screened sand, water etc., to site, seigniorage charges, sales & other taxes on all materials, all operational, incidental and labour charges such as mixing mortar, scaffolding charges, lift charges, finishing, including cutting of Grooves wherever necessary as directed by Engineer - in - charge, curing, etc., for Uneven Surfaces of Brick Wall complete for finished item of work. (APSS 901,903 & 904)	SQM	280.37	295	82707.68
	Plastering to even surfaces of wall with CM (1:4) Prop: 20mm thick in single coat including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental charges and labour charges such as mixing mortar, finishing, curing, etc., complete for finished item of work. (APSS 901,906)	SQM	38.40	192.5	7392.578
	Towards supply and fixing of rolling shutters and windows	No	2.00	40000	80000
	Roof Cover with Truss	SQM	111.42	3234.00	360321.3
	Provision for electrification	NO	1	100000	100000
	<b>SUB TOTAL</b>				<b>1143778</b>
	VAT @ 12%				137253.4
	QC charges @ 0.50%				5718.892
	<b>TOTAL</b>				<b>1286751</b>

### ESTIMATE FOR Ware House (Machine Shed)

Sl.no.	Description of Item	No			Measurements in Mts			Quantity	
					L	B	D		
1	2	3	4	5	6	7	8	9	10
1	Earth work excavation building foundations and depositing on bank for all lifts and with an initial lead of 10m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., complete for finished item of work including seigniorage excluding dewatering charges in ordinary sil-means up to 3mtrs depth etc as per SSB (APSS308) for ordinary soil-manual up to 3.0m								
	column footings	2	x	5	1.75	1.75	2.00	61.25	
								<b>61.25</b>	cum
2	Earth work excavation for foundations and depositing on bank for all lifts and with an initial lead of 10m including all operational, incidental, seigniorage charges, labour charges such as shoring ,sheeting, planking, strutting, dewatering etc. complete for finished item of work as per SS - 20 B (APSS 308). for curtain walls.								
	alround machine shed	1	x	1	42.67	0.75	0.60	19.20	
	3sides verandah	1	x	1	17.17	0.75	0.60	7.73	
	Deduct columns	-2	x	5	1.75	0.75	0.60	-7.88	
								<b>19.05</b>	cum
3	<b>Plain Cement Concrete (1:4:8) prop.</b> (cement: fine aggregate: Coarse aggregate) using 40mm size HBG (IS383, 1970) machine crushed metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, mixing concrete in concrete mixer including seigniorage charges, sales & other taxes on all materials all operational, incidental and labour charges such as laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete etc., complete for finished item of work (APSS No. 402) for <b>Levelling Course and Flooring Bed</b>								
	footings	2	x	5	1.75	1.75	0.15	4.59	
	alround machine shed	1	x	1	42.67	0.75	0.15	4.80	
	3sides verandah	1	x	1	17.17	0.75	0.15	1.93	
	Deduct columns	-2	x	5	1.75	0.75	0.15	-1.97	
								<b>9.36</b>	cum
4	<b>Plain Cement Concrete (1:5:10) prop.</b> (cement: fine aggregate: Coarse aggregate) using 40mm size HBG (IS383, 1970) machine crushed metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, mixing concrete in concrete mixer including seigniorage charges, sales & other taxes on all materials all operational, incidental and labour charges such as laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete etc., complete for finished item of work (APSS No. 402) for <b>flooring Bed</b>								
	<b>Flooring bed</b>								
	machine shed	1	x	1	12.19	9.14	0.15	16.71	
	Ver	1	x	1	14.01	1.50	0.15	3.15	
								<b>19.86</b>	cum

5	<b>Filling with useful available excavated earth</b> (excluding rock) in trenches sides of foundations and basement with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T & P etc., complete for finished item of work. (APSS No.309 & 310)							
	column footings	2	x	5	1.75	1.75	2.00	61.25
	footings PCC	-2	x	5	1.75	1.75	0.15	-4.59
	footings	-2	x	5	1.50	1.50	0.30	-6.75
	Pedestels	-2	x	5	0.75	0.75	0.60	-3.38
	Columns	-2	x	5	0.30	0.38	1.40	-1.60
								<b>44.94</b>
								cum
6	<b>Filling with gravel</b> in trenches sides of foundation and basement with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T & P etc., complete for finished item of work. (APSS NO.309 & 310)							
	Machine shed	1	x	1	12.35	9.14	0.45	50.80
								<b>50.80</b>
								cum
7	<b>Random Rubble Masonry in cm (1:8)prop.</b> including cost and conveyance of all materials sales and other taxes on all materials and all labour charges for all operations etc., complete for finished item of work for foundation and basement.							
	1st footing around building	1	x	1	42.67	0.45	0.45	8.64
	3 sides of ver	1	x	1	16.72	0.45	0.45	3.39
	Basement around building	1	x	1	42.67	0.38	0.45	7.30
	3 sides of ver	1	x	1	16.79	0.45	0.45	3.40
	Deduct Columns	-1	x	10	0.30	0.38	0.90	-1.03
								1.95
								<b>23.65</b>
								cum
8	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc.,complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for <b>Footings.</b>							
	footings	2	x	5	1.50	1.50	0.30	6.75
								<b>6.75</b>
								cum
9	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc.,complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for <b>Pedastals.</b>							

	Pedestels	2	x	5	0.75	0.75	0.60	3.38	
								<b>3.38</b>	cum
10	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for <b>Plinth beam.</b>								
	around building	1	x	1	42.67	0.23	0.30	2.94	
	3sides of ver	1	x	1	16.94	0.23	0.30	1.17	
	Cross beams	1	x	3	9.21	0.23	0.30	1.91	
								<b>6.02</b>	cum
11	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for <b>Columns.</b>								
	columns uptoPB bottom								
	Columns	2	x	5	0.30	0.38	1.40	1.60	
	columns above PBL								
	Col	2	x	5	0.30	0.38	2.90	3.31	
								<b>4.90</b>	cum
15	<b>Brick Masonry in superstructure with CM (1:8) prop with Flyash Cement solid blocks of size 290 x 200 x 140 mm</b> , for manufacturing of flyash solid blocks using flyash of 80 kgs, cement of 15 kgs. Gypsum of 5 kgs. and stone dust with a compressive strength not less than 50 kg/sqm including cost and conveyance of all materials, labour charges, seiniorage charges, scaffolding and curing etc., for <b>Superstructure Walls.</b>								
	around Machine Shed	1	x	1	42.67	0.20	2.90	24.75	
	Deduct ventilators	-2	x	4	0.60	0.20	0.45	-0.43	
	Rolling shutters	1	x	2	1.80	0.20	2.40	1.73	
								<b>26.04</b>	cum
16	Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for <b>Lintels.</b>								
	over ventilators	2	x	4	1.20	0.20	0.15	0.29	
	over rolling shutters	1	x	2	3.41	0.20	0.30	0.41	

									0.70	cum
17	Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for <b>Sunshades/ chajjas with 75mm thick at fixed end 50mm thick at free end and for a width of 0.60m.</b>									
	for door	1	x	4	1.20	0.60			2.88	
									<b>2.88</b>	sqm
18	<b>Gronolithic Concrete Flooring 20 mm thick</b> with (1:1:2), using 6mm to 12 mm size hard granite machine crushed metal laid over CC bed already laid or RCC roof slab, in alternate panels of size not exceeding 1.50 m x 1.50 m and finishing the top surface to required smoothness and slopes and thread lining including cost of all materials like cement, metal, sand and water etc., complete, including seigniorage charges, etc., complete for finished item of work,									
	Machine Shed	1	x	1	12.19	9.14			111.42	
	Ver	1	x	1	14.01	1.50			21.02	
									132.43	Sqm
19	Painting to <b>new internal walls with two (2) coats of ready mixed oil bound washable distemper acrylic base</b> of approved brand and shade over a base coat of cement primer water base interior Grade-I of approved brand, making three (3) coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc., complete for finished item of work <b>in all floors for internal walls</b> (SS 911)									
	inside plastering quantity								109.43	
									<b>109.43</b>	sqm
20	Painting to <b>New External Walls with two coats of Polymer Plastic Emulsion paint</b> of Asian / Berger / Nerolac / Saicoat / Endocem or equalent quality of approved brand and shade as approved by the Engineer - in - Charge over base coat of cement primer water base grade -II exterior making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work <b>in all floors for external Walls.</b> (APSS No. 911)									
	outside plastering quantity								280.37	
	basement plastering quantity								38.40	
	add extra								73.97	
									<b>392.74</b>	sqm
21	<b>Painting to New wood work</b> with two coats of ready mixed synthetic enamel paint first quality all shades to give an even shade over base coat of wood Primer finishing with putty for wood work after thoroughly brushing the surface to remove all remains including cost and conveyance of all materials to site, sales & other taxes, all operational, incidental and labour charges etc., complete for finished item of work.(3 coats) (APSS No. 1201 & 1212).in All Floors									
	rolling shutters	2	x	2	1.80		2.40		17.28	
	Ventilators	8	x	2	0.60		0.45		4.32	
									<b>21.60</b>	sqm





**ABSTRACT OF COST- Nursery****BUILT UP AREA 300 SFT**

<b>S No</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QUANTITY</b>	<b>RATE</b>	<b>AMOUNT</b>
1	Earth work excavation building foundations and depositing on bank for all lifts and with an initial lead of 10m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., complete for finished item of work including seigniorage excluding dewatering charges in ordinary sil-means up to 3mtrs depth etc as per SSB (APSS308) for ordinary soil-manual up to 3.0m	cum	36.75	250	9187.5
2	Earth work excavation for foundations and depositing on bank for all lifts and with an initial lead of 10m including all operational, incidental, seigniorage charges, labour charges such as shoring ,sheeting, planking, strutting, dewatering etc. complete for finished item of work as per SS - 20 B (APSS 308). for curtain walls.	cum	8.99	150	1347.975
3	Plain Cement Concrete (1:4:8) prop. (cement: fine aggregate: Coarse aggregate) using 40mm size HBG (IS383, 1970) machine crushed metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, mixing concrete in concrete mixer including seigniorage charges, sales & other taxes on all materials all operational, incidental and labour charges such as laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete etc., complete for finished item of work (APSS No. 402) for Levelling Course and Flooring Bed	cum	5.00	3715	18585.68
4	Plain Cement Concrete (1:5:10) prop. (cement: fine aggregate: Coarse aggregate) using 40mm size HBG (IS383, 1970) machine crushed metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, mixing concrete in concrete mixer including seigniorage charges, sales & other taxes on all materials all operational, incidental and labour charges such as laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete etc., complete for finished item of work (APSS No. 402) for flooring Bed	CUM	5.68	3350	19035.35
5	Filling with useful available excavated earth (excluding rock) in trenches sides of foundations and basement with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T & P etc., complete for finished item of work. (APSS No.309 & 310)	CUM	26.96	22	593.1453
6	Filling with gravel in trenches sides of foundation and basement with intial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational,	CUM	14.03	220	3085.632

	incidental, labour charges, hire charges of T & P etc., complete for finished item of work. (APSS NO.309 & 310)				
7	Random Rubble Masonry in cm (1:8)prop. including cost and conveyance of all materials sales and other taxes on all materials and all labour charges for all operations etc., complete for finished item of work for foundation and basement.	CUM	13.10	2550	33402.27
8	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc.,complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for Footings.	CUM	4.05	8210	33250.5
9	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc.,complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for Pedastals.	CUM	2.03	8750	17718.75
10	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc.,complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for Plinth beam.	CUM	4.01	8850	35478.77

11	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for Columns.	CUM	2.94	8725	25661.97
12	Brick Masonry in superstructure with CM (1:8) prop with Flyash Cement solid blocks of size 290 x 200 x 140 mm, for manufacturing of flyash solid blocks using flyash of 80 kgs, cement of 15 kgs. Gypsum of 5 kgs. and stone dust with a compressive strength not less than 50 kg/sqm including cost and conveyance of all materials, labour charges, seiniorage charges, scaffolding and curing etc., for Superstructure Walls.	CUM	11.25	1920	21600.77
13	Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for Lintels.	CUM	0.29	9851	2854.82
14	Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for Sunshades/ chajjas with 75mm thick at fixed end 50mm thick at free end and for a width of 0.60m.	SQM	0.72	803	578.16

15	Gronolithic Concrete Flooring 20 mm thick with (1:1:2), using 6mm to 12 mm size hard granite machine crushed metal laid over CC bed already laid or RCC roof slab, in alternate panels of size not exceeding 1.50 m x 1.50 m and finishing the top surface to required smoothness and slopes and thread lining including cost of all materials like cement, metal, sand and water etc., complete, including seigniorage charges, etc., complete for finished item of work,	SQM	46.12	275.4	12700.43
16	Painting to new internal walls with two (2) coats of ready mixed oil bound washable distemper acrylic base of approved brand and shade over a base coat of cement primer water base interior Grade-I of approved brand, making three (3) coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc., complete for finished item of work in all floors for internal walls (SS 911)	SQM	109.43	98.9	10822.63
17	Painting to New External Walls with two coats of Polymer Plastic Emulsion paint of Asian / Berger / Nerolac / Saicoat / Endocem or equalent quality of approved brand and shade as approved by the Engineer - in - Charge over base coat of cement primer water base grade -II exterior making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work in all floors for external Walls.(APSS No. 911)	SQM	214.45	79	16941.16
18	Painting to New wood work with two coats of ready mixed synthetic enamel paint first quality all shades to give an even shade over base coat of wood Primer finishing with putty for wood work after thoroughly brushing the surface to remove all remains including cost and conveyance of all materials to site, sales & other taxes, all operational, incidental and labour charges etc., complete for finished item of work.(3 coats) (APSS No. 1201 & 1212).in All Floors	SQM	5.40	135	729
19	Plastering 20mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) dubara sponge finish including cost and conveyance of all materials like cement, screened sand, water etc., to site, seigniorage charges, sales & other taxes on all materials, all operational, incidental and labour charges such as mixing mortar,scaffolding charges, lift charges, finishing,including cutting of Grooves wherever necessary as directed by Engineer - in - charge, curing, etc., for Uneven Surfaces of Brick Wall complete for finished item of work. (APSS 901,903 & 904)	SQM	123.47	295	36424.83

20	Plastering to even surfaces of wall with CM (1:4) Prop: 20mm thick in single coat including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental charges and labour charges such as mixing mortar, finishing, curing, etc., complete for finished item of work. (APSS 901,906)	SQM	17.00	192.5	3272.693
21	Towards supply and fixing of rolling shutters and windows	No	1	25000	25000
22	Roof Cover with Truss	SQM	27.83	3234	90006.42
23	Provision for electrification	NO	1	25000	25000
	<b>SUB TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>443278</b>
24	VAT @ 12%	0	0	0	53193.41
25	QC charges @ 0.50%	0	0	0	2216.392
		0	0	0	0
	<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>498688</b>

### ESTIMATE FOR Nursery

Sl.no	Description of Item	No			Measurements in Mts			Quantity	
					L	B	D		
1	2	3	4	5	6	7	8	9	10
1	Earth work excavation building foundations and depositing on bank for all lifts and with an initial lead of 10m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., complete for finished item of work including seigniorage excluding dewatering charges in ordinary sil-means up to 3mtrs depth etc as per SSB (APSS308) for ordinary soil-manual up to 3.0m								
	column footings	2	x	3	1.75	1.75	2.00	36.75	

									36.75	cum
2	Earth work excavation for foundations and depositing on bank for all lifts and with an initial lead of 10m including all operational, incidental, seigniorage charges, labour charges such as shoring ,sheeting, planking, strutting, dewatering etc. complete for finished item of work as per SS - 20 B (APSS 308). for curtain walls.									
	alround Nursery	1	x	1	18.28	0.75	0.60		8.23	
	3sides verandah	1	x	1	12.19	0.75	0.60		5.49	
	Deduct columns	-2	x	3	1.75	0.75	0.60		-4.73	
									8.99	cum
3	<b>Plain Cement Concrete (1:4:8) prop.</b> (cement: fine aggregate: Coarse aggregate) using 40mm size HBG (IS383, 1970) machine crushed metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, mixing concrete in concrete mixer including seigniorage charges, sales & other taxes on all materials all operational, incidental and labour charges such as laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete etc., complete for finished item of work (APSS No. 402) for <b>Levelling Course and Flooring Bed</b>									
	footings	2	x	3	1.75	1.75	0.15		2.76	
	alround Nursery Shed	1	x	1	18.28	0.75	0.15		2.06	
	3sides verandah	1	x	1	12.19	0.75	0.15		1.37	
	Deduct columns	-2	x	3	1.75	0.75	0.15		-1.18	
									5.00	cum
4	<b>Plain Cement Concrete (1:5:10) prop.</b> (cement: fine aggregate: Coarse aggregate) using 40mm size HBG (IS383, 1970) machine crushed metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, mixing concrete in concrete mixer including seigniorage charges, sales & other taxes on all materials all operational, incidental and labour charges such as laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete etc., complete for finished item of work (APSS No. 402) for <b>flooring Bed</b>									
	<b>Flooring bed</b>									
	Nursery	1	x	1	6.09	4.57	0.15		4.17	
	Ver	1	x	1	6.70	1.50	0.15		1.51	
									5.68	cum
5	<b>Filling with useful available excavated earth</b> (excluding rock) in trenches sides of foundations and basement with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T & P etc., complete for finished item of work. (APSS No.309 & 310)									
	column footings	2	x	3	1.75	1.75	2.00		36.75	
	footings PCC	-2	x	3	1.75	1.75	0.15		-2.76	
	footings	-2	x	3	1.50	1.50	0.30		-4.05	
	Pedestels	-2	x	3	0.75	0.75	0.60		-2.03	
	Columns	-2	x	3	0.30	0.38	1.40		-0.96	

									<b>26.96</b>	cum
6	<b>Filling with gravel</b> in trenches sides of foundation and basement with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T & P etc., complete for finished item of work. (APSS NO.309 & 310)									
	Nursery	1	x	1	6.40	4.87	0.45		14.03	
									<b>14.03</b>	cum
7	<b>Random Rubble Masonry in cm (1:8)prop.</b> including cost and conveyance of all materials sales and other taxes on all materials and all labour charges for all operations etc., complete for finished item of work for foundation and basement.									
	1st footing alround building	1	x	1	18.28	0.45	0.45		3.70	
	3 sides of ver	1	x	1	12.19	0.45	0.45		2.47	
	Basement alround building	1	x	1	18.28	0.38	0.45		3.13	
	3 sides of ver	1	x	1	12.19	0.45	0.45		2.47	
	Deduct Columns	-1	x	6	0.30	0.38	0.90		-0.62	
									1.95	
									<b>13.10</b>	cum
8	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc.,complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for <b>Footings.</b>									
	footings	2	x	3	1.50	1.50	0.30		4.05	
									<b>4.05</b>	cum
9	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc.,complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for <b>Pedastals.</b>									
	Pedestels	2	x	3	0.75	0.75	0.60		2.03	
									<b>2.03</b>	cum
10	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc.,complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for <b>Plinth beam.</b>									



	alround building	1	x	1	18.28	0.23	0.30	1.26	
	3sidews of ver	1	x	1	12.19	0.23	0.30	0.84	
	Cross beams	1	x	3	9.21	0.23	0.30	1.91	
								<b>4.01</b>	cum
11	Vibrated Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc.,complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for <b>Columns.</b>								
	columns uptoPB bottom								
	Columns	2	x	3	0.30	0.38	1.40	0.96	
	columns above PBL								
	Col	2	x	3	0.30	0.38	2.90	1.98	
								<b>2.94</b>	cum
15	<b>Brick Masonry in superstructure with CM (1:8) prop with Flyash Cement solid blocks of size 290 x 200 x 140 mm</b> , for manufacturing of flyash solid blocks using flyash of 80 kgs, cement of 15 kgs. Gypsum of 5 kgs. and stone dust with a compressive strength not less than 50 kg/sqm including cost and conveyance of all materials, labour charges, seiniorage charges, scaffolding and curing etc., for <b>Superstructure Walls.</b>								
	alround Nursery	1	x	1	18.28	0.20	2.90	10.60	
	Deduct ventilators	-2	x	2	0.60	0.20	0.45	-0.22	
	Rolling shutters	1	x	1	1.80	0.20	2.40	0.86	
								<b>11.25</b>	cum
16	Reinforced Cement Concrete M25 Grade corresponding to IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc.,complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) with minimum cement content @ 380Kgs/Cum from standard suppliers approved by the department including centering, shuttering, laying concrete, vibrating, curing etc. complete for <b>Lintels.</b>								
	over ventilators	2	x	2	1.20	0.20	0.15	0.14	
	over door	1	x	1	2.43	0.20	0.30	0.15	
								<b>0.29</b>	cum



22	<b>Plastering 20mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4)</b> dubara sponge finish including cost and conveyance of all materials like cement, screened sand, water etc., to site, seigniorage charges, sales & other taxes on all materials, all operational, incidental and labour charges such as mixing mortar, scaffolding charges, lift charges, finishing, including cutting of Grooves wherever necessary as directed by Engineer - in - charge, curing, etc., for <b>Uneven Surfaces of Brick Wall</b> complete for finished item of work. (APSS 901,903 & 904)							
	inside Nursery	1	x	1	17.67		3.53	62.29
	out side	1	x	1	18.89		3.53	66.59
	Deduct Ventilators	2	x	2	0.60		0.45	-1.08
	Doors	1	x	1	1.80		2.40	-4.32
								<b>123.47</b> sqm
23	<b>Plastering to even surfaces of wall with CM (1:4) Prop: 20mm thick in single coat</b> including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental charges and labour charges such as mixing mortar, finishing, etc., complete for finished item of work. (APSS 901,906)							
	Basement alround	1	x	1	18.89		0.90	17.00
								<b>17.00</b> sqm
26	Towards supply and fixing of Doors & windows							
		1	x	1				1.00 Nos
27	Roof Cover with Truss							
		1	x	1	6.09	4.57		<b>27.83</b> sqm
28	Provision for electrification							LUMPSUM

**ABSTRACT OF COST- Drying Yard  
BUILT UP AREA 4000 SFT**

S No	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1	Earth work excavation for foundations and depositing on bank for all lifts and with an initial lead of 10m including all operational, incidental, seigniorage charges, labour charges such as shoring, sheeting, planking, strutting, dewatering etc. complete for finished item of work as per SS - 20 B (APSS 308). for curtain walls.	cum	12.19	250.00	3048

2	Plain Cement Concrete (1:4:8) prop. (cement: fine aggregate: Coarse aggregate) using 40mm size HBG (IS383, 1970) machine crushed metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, mixing concrete in concrete mixer including seigniorage charges, sales & other taxes on all materials all operational, incidental and labour charges such as laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete etc., complete for finished item of work (APSS No. 402) for Levelling Course and Flooring Bed	cum	9.14	3715.00	33969.96
3	Filling with useful available excavated earth (excluding rock) in trenches sides of foundations and basement with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T & P etc., complete for finished item of work. (APSS No.309 & 310)	cum	61.25	22	1347.5
4	Random Rubble Masonry in cm (1:8)prop. including cost and conveyance of all materials sales and other taxes on all materials and all labour charges for all operations etc., complete for finished item of work for foundation and basement.	cum	43.65	2550	111298.9
5	Gronolithic Concrete Flooring 20 mm thick with (1:1:2), using 6mm to 12 mm size hard granite machine crushed metal laid over CC bed already laid or RCC roof slab, in alternate panels of size not exceeding 1.50 m x 1.50 m and finishing the top surface to required smoothness and slopes and thread lining including cost of all materials like cement, metal, sand and water etc., complete, including seigniorage charges, etc., complete for finished item of work,	Sqm	557.42	275.4	153513
6	Plastering to even surfaces of wall with CM (1:4) Prop: 20mm thick in single coat including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, all operational, incidental charges and labour charges such as mixing mortar, finishing, curing, etc., complete for finished item of work. (APSS 901,906)	sqm	557.42	192.5	107303
	<b>SUB TOTAL</b>				<b>410480</b>
7	VAT @ 12%				49257.65
8	QC charges @ 0.50%				2052.402
	<b>TOTAL</b>				<b>461790</b>





**Form No 1: TENDER FORM (Construction of Common Facility Centre for MANI AMMA CHAITANYA SHRAVANTHI, Visakhapatnam Coffee Cluster, G.K.Veedhi, Visakhapatnam)**

**Tender Form is issued to: -**

**Date of issue of tender form: -**

**Signature of issuing authority**

**Terms and Conditions:**

1. The minimum turnover of the bidder firm for the last year (2019-20) should be Rs. 40.00 lakhs with last 3 years completion certificates of construction activities.
2. The bidder firm should have minimum three-year experience in building construction activity.
3. The tender should be submitted in the prescribed tender form.
4. The tender forms can be obtained from **MANI AMMA CHAITANYA SHRAVANTHI**, At-C/O Mani Amma Hospital, Beside Union Bank, Chinthapalli, Visakhapatnam district, Andhra Pradesh 531111 on any working day from **Dt. 25.09.2020** to **Dt.15.10.2020** from 10.00 AM to 05.00 PM by depositing an amount of Rs. 10,000/-.
5. Tender form should be deposited along with Bid and the earnest money of Rs. 93,117/- at above address on or before 05:00 pm of Dt. 15.10.2020. Earnest money can be paid through DD purchased in favor of **MANI AMMA CHAITANYA SHRAVANTHI**. The tender received will be opened before the Technical committee on Dt. 16.10.2020. Exempted bidder should submit the supporting documents with the tender.
6. The bidder firm should submit tender for the whole works. Tender for partly works will not be accepted.
7. Earnest money can be forfeited in case of withdrawal of bid or not completing the work.
8. If the work is not found as per specifications or unsatisfactory the payment of whole or equivalent amount can be withheld.
9. T.D.S. and other taxes will be deducted as per norms from the payments.
10. Secretary, **MANI AMMA CHAITANYA SHRAVANTHI**, G.K.Veedhi has reserved the right to accept the bid partially/in full or may reject any or all the bids without assigning any reason.
11. The total approved project cost for establishment of Common Facilities Centre is Rs. 179.5 lakhs, out of which maximum budget provisioned for construction is Rs. 46.5 lakhs. Thus financial bid of tendered firm should not exceed the maximum limit approved.
12. The maximum time frame given for completion of construction is 4 months. The detailed work plans as given above.

**Declaration: -**

I do here by agree to abide by all the terms and conditions mentioned above.

**(Signature of the authorized person/proprietor)**

Name:

Designation:

Name of firm:

Phone/Mob:

Email Id:

Seal of the firm:

**Form No. 2 TENDER FORM (Construction of Common Facility Centre for MANI AMMA CHAITANYA SHRAVANTHI, Visakhapatnam Coffee Cluster, G.K.Veedhi, Visakhapatnam)**

Tender Form issued to: - \_\_\_\_\_

Date of issue of tender form: - \_\_\_\_\_

**Signature of issuing authority**

**Details of firm/agency**

1. Name of Firm/Agency:
2. Registered Address of Firm/Agency:
3. Name & Phone No. of co-coordinator/contact person:
4. Type of Firm/Agency:
5. Registration No:
6. Year of Commencement of work of the Firm/Agency:
7. Turnover of Firm/Agency for the year 2019-20:
8. Details of Human resources: (Man power with the firm/Agency)
9. PAN/Service Tax No. of the Firm/Agency: (Please enclose photo copy)
10. Description of construction activities done by: Firm/Agency in past (Please enclose copies of work order/photographs should not be less than the rank of Executive Engineer or equivalent thereof)
11. Action plan for present activity
12. Other details, (If any):

**Miscellaneous: -**

1. The minimum turnover of last year (2019-20) of the Bidder Firm/Agency should be Rs. 40.00 Lakhs.
2. The Bidder Firm will submit layout plan and design for the proposed shed
3. A demand draft of Rs. **93,117/- (Rupees Ninety-Three Thousand One Hundred Seventeen Rupees only)** will be enclosed with the bid as earnest money. The draft will be in favour of **MANI AMMA CHAITANYA SHRAVANTHI**. Exempted bidder should submit the supporting documents.
4. Balance Sheet prepared by chartered Accounts for the last three years will invariably be enclosed along with bid.
5. Copies of Income Tax returns for the last three years will be enclosed with bid.
6. Copy of PAN/Service Tax Registration Certificate will be enclosed with bid.



7. The profile and following details of bidder firm/agency along with photograph, paper cutting, copy of work order and last 3 years completion certificates of construction activities will be submitted as under: -

Year	Details of construction projects executed	Duration	Name of party for whom project executed
2017-18			
2018-19			
2019-20			

8. Detail of earnest money

- I. D.D. No. :
- II. Date:
- III. Amount:
- IV. Name of the issuing bank:

9. If the Tender Form is downloaded from the BCI, Rajasthan website an amount of Rs 10,000/- in favour of **MANI AMMA CHAITANYA SHRAVANTHI** is essential to be deposited. The details of such amount: -

- I. D.D. No.
- II. Date:
- III. Amount:
- IV. Name of the issuing bank:

**Declaration: -**

**I hereby declare that the information given in the bid is true and correct and I hereby accept all the terms and conditions.**

Place:

Date:

**Signature of the authorized person**

Name:  
Designation:  
Name of firm & address:

Phone / Mobile No. :  
Email Id:  
Seal of the firm:

**Form No. 3 TENDER FORM (Construction of Common Facility Centre for MANI AMMA CHAITANYA SHRAVANTHI, Visakhapatnam Coffee Cluster, G.K.Veedhi, Visakhapatnam)**

Tender Form issued to: \_\_\_\_\_

Date of issue of tender form: \_\_\_\_\_

**Signature of issuing authority**

**Financial cost**

<b>SI No</b>	<b>Construction of shed for CFC</b>	<b>Amount Quoted</b>	<b>Percentage of high or less</b>
1	The amount should be quoted as per details of work given		
2	The amount quoted should be inclusive of all type of taxes as no separate payment will be made for taxes		

**Total amount in words: -**

**Place:**

**Date:**

**Signature of the authorized person**

Name:

Designation:

Name of firm & address:

Phone / Mobile No. :

Email Id:

Seal of the firm:

**Form No. 4 TENDER FORM (Construction of Common Facility Centre for MANI AMMA CHAITANYA SHRAVANTHI, Visakhapatnam Coffee Cluster, G.K.Veedhi, Visakhapatnam)**

Tender Form issued to: - \_\_\_\_\_

Date of issue of tender form: - \_\_\_\_\_

**Signature of issuing authority**

1. Name of work: Construction of Warehouse and Coffee Roasting Room, Machine Shed and other amenities for the proposed CFC:

**Work Plan**

<b>S.No</b>	<b>Description of work</b>	<b>Time line (from the date of Issuance of Contract)</b>
1	Land levelling and providing pest control treatment by Pest control India	By end of first month
2	Completion of foundation work up to ground level	By end of second month
3	Completion of side wall, fabrication work, roofing, electrical fitting, painting etc.	By end of fourth month

**Note: Thus, the total time for completion of construction will not exceed 4 months from date of issuance of contract**

**2. Mode of payment:**

- Payment will be released as per the scheduled quantity executed. The measurement will be done by Civil Engineer and certified by Chartered Engineer.
- Payment will be released after statutory reduction of tax component as per Government of Andhra Pradesh notification.
- 5% of the security deposit will be released one year after competition of the work.