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ABSTRACT

Schemes – Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS) – Construction of Dug Well, Food Grain Godown, Direct Purchase Centre, Milk Production's Co-operative Society Building, RCC Slab Culvert and Minor Bridge at an estimated cost of Rs.251.74 crore under MGNREGS during the year 2022-2023 – Permission accorded – Orders – Issued.

RURAL DEVELOPMENT AND PANCHAYAT RAJ (CGS.1) DEPARTMENT

G.O.(Ms.)No.48

Dated: 29.03.2023

சுபகிருது, பங்குனி 15
திருவள்ளூர் ஆண்டு-2054

Read:

1. G.O.(Ms.) No.62, Rural Development and Panchayat Raj (CGS-1) Department, dated: 20.05.2022.
2. From the Commissioner of Rural Development and Panchayat Raj, Letter No.50262/2022/MGNREGS II.2, dated: 27.12.2022.

ORDER:

In the Government order first read above, orders were issued based on the Announcements made by the Hon'ble Minister (Rural Development), according permission to take up works to the tune of Rs.3,006.09 crore under MGNREGS for the year 2022-2023.

2. In the letter second read above, the Commissioner of Rural Development and Panchayat Raj, has sent a proposal to take up the following works under MGNREGS for the year 2022-2023 to the tune of Rs.251.74 crore, over and above the works permitted in the Government order first read above:-

- (i) Construction of 1000 Nos of Dug Wells ;
(750 Individual and 250 community group)
- (ii) 200 Nos. of Food Grain Godowns;
- (iii) 100 Nos. of Direct Purchase Centres;
- (iv) 100 Nos. of Milk Collection Centres;
- (v) Construction of 100 Nos. of 1.5m Span Culverts;
- (vi) 100 Nos. of 3.00m Span Culverts ;
- (vii) 100 Nos. of Minor Bridges

(p t o)

3. The Government have examined, the proposal of the Commissioner of Rural Development and Panchayat Raj, in detail and decided to accord permission to take up the following works:-

- i) Construction of 750 Nos. of Dug Well (individual) to the total value of Rs.77.48 crore at the unit cost of Rs.10.33 lakh under MGNREGS 2022-23 as per the Estimate in Annexure-I annexed to this order.
- ii) Construction of 250 Nos. of Dug Well (Community well / Group Well) to the total value of Rs.42.30 crore at the unit cost of Rs.16.92 lakh under MGNREGS 2022-23 as per the Estimate in Annexure-II annexed to this order.
- iii) Construction of 100 Nos. Food Grain Godown for more than 500 Card Holders to the total value of Rs.12.51 crore at the unit cost of Rs.12.51 lakh under MGNREGS 2022-23 as per the Estimate in Annexure-III annexed to this order.
- iv) Construction of 100 Nos. of Food Grain Godown for less than 500 Card Holders to the total value of Rs.9.16 crore at the unit cost of Rs.9.16 lakh under MGNREGS 2022-23 as per the Estimate in Annexure-IV annexed to this order.
- v) Construction of 100 Nos. of Direct Purchase Centres to the total value of Rs.33.00 crore at the unit cost of Rs.33.00 lakh under MGNREGS 2022-23 as per the Estimate in Annexure-V annexed to this order.
- vi) Construction of 100 Nos. of Milk Producer's Co-operative Society Building to the total value of Rs.19.52 crore at the unit cost of Rs.19.52 lakh under MGNREGS 2022-23 as per the Estimate in Annexure-VI annexed to this order.
- vii) Construction of 100 Nos. of 1.5 m Span RCC Slab Culvert to the total value of Rs.6.25 crore at the unit cost of Rs.6.25 lakh under MGNREGS 2022-23 as per the Estimate in Annexure-VII annexed to this order.
- viii) Construction of 100 Nos. of 3.00 m Span RCC Slab Culvert to the total value of Rs.10.15 crore at the unit cost of Rs.10.15 lakh under MGNREGS 2022-23 as per the Estimate in Annexure-VIII annexed to this order.
- ix) Construction of 100 Nos. of Minor Bridges to the total value of Rs.41.37 crore at the unit cost of Rs.41.37 lakh under MGNREGS 2022-23 as per the Estimate in Annexure-IX annexed to this order.

4. The funding pattern for the works from 3(i) to 3(ix) above shall be as follows:-

(Rupees in Crore)

Description	Material Component			Labour Component (Central Share 100%)	Grand Total	Labour Material Ratio
	Central Share (75%)	State Share (25%)	Total			
(i) Construction of Individual Dug Well						
Unit cost of construction of Individual Dug Well is Rs.10.33 lakh. The cost of construction of 750 Nos of Individual Dug Wells=750xRs.10.33 lakh = Rs.77.48 crore	54.90	18.30	73.20	4.28	77.48	5.52:94.48
(ii) Construction of Community well / Group Well						
Unit cost of construction of Community well / Group Well is Rs.16.92 lakhs. The cost of construction of 250 Nos of Community Group Wells=250xRs.16.92 lakh = Rs.42.30 crore	29.61	9.87	39.48	2.82	42.30	6.66:93.34
(iii) Construction of Food Grain Godown (For More than 500 Card Holders)						
Unit cost of construction of Food Grain Godown for More than 500 Card Holders is Rs.12.51 lakhs. The cost of construction of 100 Nos of Food Grain Godown =100xRs.12.51 Lakh = Rs.12.51 Crore	8.40	2.80	11.20	1.31	12.51	10.44:89.56
(iv) Construction of Food Grain Godown (For Less than 500 Card Holders)						
Unit cost of construction of Food Grain Godown for Less than 500 Card Holders is Rs.9.16 lakhs. The cost of construction of 100 Nos of Food Grain Godown = 100xRs.9.16 Lakh = Rs.9.16 Crore	6.20	2.06	8.26	0.90	9.16	9.85:90.15

(v) Construction of Direct Purchase Centre						
Unit cost of Construction of Direct Purchase Centre / No. = Rs.33.00 Lakhs. Cost for 100 numbers of Direct Purchase Centres = 100 x Rs.33 lakh = Rs.33.00 Crore	22.73	7.57	30.30	2.70	33.00	-
(vi) Construction of Milk Collection Centre						
Unit cost of construction of 100 Milk Collection Centre 100 Nos x Rs. 19.52 Lakh = Rs.19.52 Crore	13.39	4.46	17.85	1.67	19.52	-
(vii) Construction of 1.50m Span Culvert						
1.50m Span Culvert =100 NosxRs.6.25 lakh = Rs.6.25 crore	4.10	1.37	5.47	0.78	6.25	12.47 : 87.53
(viii) Construction of 3.00m span culvert						
3.00m span culvert =100 NosxRs.10.15 lakh = Rs.10.15 crore	6.63	2.21	8.84	1.31	10.15	12.92 : 87.08
(ix) Construction of Minor Bridge						
Minor Bridge =100 NosxRs.41.37 lakh =Rs.41.37 crore	26.95	8.98	35.93	5.44	41.37	13.14 : 86.86

5. The mode of selection for the works from 3(i) to 3(ix) and Non-Negotiable items shall be as follows:-

(a) Work Selection

1. All works will be selected as per the GIS plan prepared for each village panchayats.
2. Priority will be given to 5,201 Village Panchayats selected for the implementation of Anaithu Grama Anna Marumalarchi Thittam-II and Kalaigharin All Village Integrated Agriculture Development Programme.
3. Beneficiary Selection for Dugwells will be done in consultation with Agriculture / Agriculture Engineering Department.
4. The authenticity of Small/Marginal and SC/ST Farmers for providing Dugwells will be duly verified with necessary certificates in consultation with Revenue Department.
5. The Site selection for Milk Collection Center should be done in consultation with Aavin and MPCS.
6. The Site selection for Food Grain Godowns should be done in consultation with Registrar of Co-operative Societies and Civil Supplies Corporation.

7. The District Collector should document various process of the Scheme implementation starting from selection of works to completion of works, documenting the works with photographs, video etc.,
8. Construction of cross drainage structures shall be selected on the following basis (i) roads which are connecting habitations, (ii) taluk and panchayat head quarters, (iii) roads linking to marketing centres, educational centres, health centres, etc.
9. The Existing damaged cross drainage structures and cross drainage structures having insufficient vent way shall also be selected.
10. Normally, when the ground generally slopes from one side to another, the embankment intercepts natural flow of rainwater. In such cases, balancing culverts are provided at the rate of one per 500m length of road to avoid water logging.
11. Selection of type of cross drainage structure for a particular road primarily depends on the linear waterway and hydraulic particulars apart from topography, catchment area, Cross-section of the stream at proposed crossing, High Flood Level/Maximum Flood Level and Road Top Level, etc.,
12. Span of the culvert, Minor Bridge and causeway shall be fixed based on linear waterway of the channel/stream.
13. Generally, for catchment area of less than 1.25 sq.km (125 hectares), a culvert is required and if the catchment area is more than 1.25 sq km, a minor bridge is to be provided.
14. Causeways should be adopted only after knowing the duration and magnitude of floods in the past, spread and depth of water during floods and post monsoon period. Causeways may be provided wherever the velocity of water flow does not exceed Om/sec. The causeway is to be constructed on a particular road which should be of not much economic importance.
15. The opinion of the local farmers/ Residents of that area shall also be taken into account in deciding the need for causeway The approval of committee comprising of District Collector/ Chairman, Project Director, Executive Engineer(RD) and Assistant Director (Panchayat) shall be obtained.
16. Resolution shall be obtained in Grama Sabha for all the selected works and it shall be entered work wise in Register No.2 of Mahatma Gandhi NREGA of the village Panchayat concerned.

(b) Non-Negotiable Items:

1. Citizen Information Board (CIB) shall be kept at the work site in 3 X 4 feet with all necessary information as per the framework given by the Government of India vide Ref No: k11023/1/1/2017 – MGNREGA (IV), MORD, Dated 07.04.2017. The Citizen Information Board with wall writing shall be painted at Rs.850/-per unit for Individual Asset and Rs.1,000 for Community Assets. The CIB should only be wall painted for the works like Dugwells, Food Grain Godown, Milk Collection Centre, Culvert, and Minor Bridge etc.,
2. Estimate creation, Administrative Sanction and Technical Sanction shall be done in SECURE software except for Convergence/ Devolution Works.

3. Geo-Tagging of Assets at all three i.e before, during and after completion should be ensured.
4. In the Notification dated 28.03.2022, Ministry of Rural Development, Government of India have notified the wage rate and the Rural Schedule of Rates has been prepared accordingly for all the estimate preparation. In case of any revision made in Rural Schedule of Rates in future, the same shall be adopted for the works.

In addition to the above said guidelines, the following shall also be adhered to during the execution of works;

- Resolution should be obtained for in the Gram Sabha for all the Selected Works/Beneficiaries Selected and it should be entered work wise in Register No.2 of Mahatma Gandhi NREGA of village panchayats concerned.
- Photographs shall be taken before execution, during execution and after completion of work

6. The Commissioner of Rural Development and Panchayat Raj is requested to give instructions to the District Collectors to implement the works with the reference to the Estimates annexed to this Order and send the progress report periodically to Government. The fund release will be done only after getting the release of Central Share.

7. This order issues with the concurrence of Finance Department vide its U.O.No.35/DS(RR)/2023, dated 28.03.2023.

(BY ORDER OF THE GOVERNOR)

**P.AMUDHA
PRINCIPAL SECRETARY TO GOVERNMENT**

To

✓ The Commissioner of Rural Development and Panchayat Raj, Chennai-15.

All District Collectors (except Chennai District).

(through the CRD&PR, Chennai-15)

All Project Directors, District Rural Development Agencies

(through the Commissioner of Rural Development
and Panchayat Raj, Chennai-15).

Copy to:

The Hon'ble Chief Minister's Office, Secretariat, Chennai-9.

The Senior Personal Assistant to Hon'ble Minister (Finance & HRM), Chennai-9.

The Senior Personal Assistant to Hon'ble Minister (RD), Chennai-9.

The Principal Private Secretary to Chief Secretary to Government, Chennai-9.

The Principal Private Secretary to Principal Secretary
to Government, Rural Development and Panchayat Raj
Department, Chennai-9.

The Finance (RD) Department, Chennai-9.

The Accountant General, Chennai-18

The Resident Audit Officer, Chennai-9.

The Pay and Accounts Officer (South), Chennai-35.

The National Informatics Centre, Secretariat, Chennai-9.

Stock file / Spare copy

//FORWARDED BY ORDER//

[Handwritten Signature]
SECTION OFFICER

8/10/23

Annexure - I

G.O.(Ms).No.48, R.D & P.R (CGS-1) Dept., dated 29.03.2023

Estimate for Construction of Dug Well(Individual) under Mahatma Gandhi NREGS
Detailed Cum Abstract Estimate

Estimate Amount: Rs. 10,33,000

Sl no	Details of work	Measurement				Content	Amount
		NO	L	B	D		
1. Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in Hard Soil not requiring Blasting.							
First Depth 0-2m							
First Depth 0-30m		0.79	6	6	0.3	8.532	
		8.532	cum @ RS	268.19	/cum		2288
First Depth 0.30-0.60m							
		0.79	6	6	0.3	8.532	
		8.532	cum @ RS	331.07	/cum		2825
First Depth 0-60-2.00m							
		0.79	6	6	1.4	39.816	
		39.816	cum @ RS	343.85	/cum		13691
2. Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in SDR not requiring Blasting.							
Second Depth 2.00-4.00							
Second Depth 2.00-3.00		0.79	4	4	1	12.64	
(514.64+15.96) = 530.60		12.64	cum @ RS	530.60	/cum		6707
Second Depth 3.00-4.00							
		0.79	4	4	1	12.64	
514.64+2*(15.96) = 546.56		12.64	cum @ RS	546.56	/cum		6909
PWD Rate - 2021-22							
3. Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in medium rock and dense medium rock not requiring Blasting.							
Third Depth 4-6m							
		0.79	4	4	2	25.28	
		25.28	cum @ RS	833.70	/cum		21076
4. Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in medium rock and dense medium rock not requiring Blasting.							
Fourth Depth 6-8m							
		0.79	4	4	2	25.28	
		25.28	cum @ RS	1111.60	/cum		28101
5. Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in medium rock and dense medium rock not requiring Blasting.							
Fifth Depth 8-10m							
		0.79	4	4	2	25.28	
		25.28	cum @ RS	1389.50	/cum		35127
6. Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in medium rock and dense medium rock not requiring Blasting.							
Sixth Depth 10-12.00							
		0.79	4	4	2	25.28	
		25.28	cum @ RS	1667.40	/cum		42152

7. Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in medium rock and dense medium rock not requiring Blasting.							
12.00-14.00			0.79	4	4	2	25.28
			25.28	cum @ RS	1911.20	/cum	48315
8. Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in medium rock and dense medium rock not requiring Blasting.							
14.00-16.00			0.79	4	4	2	25.28
			25.28	cum @ RS	2779.00	/cum	70253
9. Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in medium rock and dense medium rock requiring Blasting.							
16.00-18.00			0.79	4	4	2	25.28
			25.28	cum @ RS	4584.00	/cum	115884
10. Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in hard rock requiring blasting.							
18.00-20.00			0.79	4	4	2	25.28
			25.28	cum @ RS	10514.00	/cum	265794
Steining Wall							
11. Centering for RCC Ring Beam - Towards centering charges inclusive of all material and labour charges etc., complete as per standard specification.							
Inner 4.00 m dia			1	12.56		0.3	3.77
Outer 6.00 m dia			1	18.84		0.3	5.65
							9.42
			9.42	sqm @ RS	455.50	/sqm	4291
12. RCC Ring Beam - Reinforced Cement concrete 1:11/2:3 mix using 20mm HBG metal for foundation and basement etc. complete as per standard specification.							
			1	15.7	0.9	0.3	4.239
			4.24	cum @ RS	8423.50	/cum	35707
13. Fabrication of steel for Ring Beam - Supplying and fabrication of steel including cost and conveyance of steel to site and all labour charges for straightening, cutting to length, bending to shape and tying in position and forming grills for all R.C.C works as per standard specification.							
			0.5	MT @ RS	87400.75	/MT	43700
14. RR Masonry in CM 1:4 for steining wall & Parapet wall including cost and conveyance of material and all other labour charges etc., complete as per standard specifications							
Steining wall-1.00m base width and 0.45m top width bottom C/L 5.00m top C/L 4.45m			1	14.85	0.725	1	10.76625
			1	14.85	0.6	0.7	6.237
Parapet wall	4.45m C/L		1	13.97	0.34	1	4.7498
							21.75
			21.75	cum @ RS	5433.14	/cum	118187

15. Plastering with cement mortar 1:4 mix 20mm thickness including cost and conveyance of material and all other labour charges etc., complete as per standard specifications

Parapet wall-Top		1	13.97	0.34	0	4.7498	
		4.7498	sqm @ RS	497.88	/sqm		2365

Platform Construction

16. Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in **Hard Soil not requiring Blasting**.

First Depth							
30m		0.79	6.67	0.3	0.3	0.474237	
						0.474237	
		0.47424	cum @ RS	268.19	/cum		127

17. Supplying and filling of good river sand including cost and conveyance of to site and all labour charges etc., complete as per standard specifications

Plat Form		0.79	5.67	0.77	0.1	0.344906	
						0.344906	
		0.34491	cum @ RS	1683.30	/cum		581

18. PCC 1:4:8 mix using 40mm ISS HBG Metal including cost and conveyance of to site and all labour charges etc., complete as per standard specifications

alround		0.79	6.67	0.3	0.1	0.079	
Plat Form		0.79	5.67	0.77	0.1	0.079	
						0.158	
		0.158	cum @ RS	4959.34	/cum		784

19. Brick work Cm 1:5 mix using country bricks of size 83/4x 43/8 x23/4 including cost and conveyance of to site and all labour charges etc., complete as per standard specifications

alround		0.79	6.67	0.23	0.4	0.484776	
						0.484776	
		0.48478	cum @ RS	5696.65	/cum		2762

20. PCC 1:2:4 mix using 20mm ISS HBG Metal including cost and conveyance of to site and all labour charges etc., complete as per standard specifications

Plat Form		0.79	6.9	1	0.075	0.408825	
						0.408825	
		0.40883	cum @ RS	6326.09	/Sqm		2586

21. Plastering with cement mortar 1:5 mix 12mm thickness including cost and conveyance of material and all other labour charges etc., complete as per standard specifications

Kerb wall side		0.79	6.9	0.45		2.45295	
						2.45295	
		2.45295	sqm @ RS	240.26	/sqm		589

22. Charges for Bailing out water

23. Provision for geophysical investigation charges

24. Provision for Name board

Sub Total Rs. **879649**

25. GST 18%

26. Provision for Photo charges

27. P.S Charges and contingencies etc.

Total Estimate Amount Rs. 1033000

P.AMUDHA
PRINCIPAL SECRETARY TO GOVERNMENT

// TRUE COPY //

[Signature]
SECTION OFFICER
6/2/21

ANNEXURE-II

G.O.(Ms).No.48, R.D & P.R (CGS-1) Dept., dated 29.03.2023

Estimate for Construction of Dug Well (Group well) under Mahatma Gandhi NREGS								
DETAILED ESTIMATE								
Estimate Amount: Rs.								16,92,000
Sl.No	Details of work		Nos	Measurement			Qty	Amount (In Rs.)
1	2	3	L	B	D	7	8	
4	5	6	7	8	9	10	11	
1	Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in Hard gravelly Soil							
	First Depth 0-2m							
	I st Depth 0-0.30m		0.785	7	7	0.3	11.54	
			11.54	cum @ RS	268.19	/cum		3094.77
	I st Depth 0.30-0.60m		0.785	7	7	0.3	11.54	
			11.5395	cum @ RS	331.07	/cum		3820.38
	I st Depth 0-60-2.00m		0.785	7	7	1.4	53.851	
			53.851	cum @ RS	343.85	/cum		18516.68
2	Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in SDR not requiring Blasting.							
	Second Depth 2.00-4.00							
	II nd Depth 2.00-3.00		0.785	7	7	1	38.465	
	(514.64+15.96) = 530.60		38.465	cum @ RS	530.60	/cum		20409.52
	II nd Depth 3.00-4.00		0.785	7	7	1	38.465	
	514.64+2*(15.96) = 546.56		38.465	cum @ RS	546.56	/cum		21023.43
	PWD Rate - 2021-22							
3	Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in medium rock and dense medium rock not requiring Blasting.							
	III rd Depth 4.00-6.00		0.785	5	5	2	39.25	
			39.25	cum @ RS	833.70	/cum		32722.72
4	Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in medium rock and dense medium rock not requiring Blasting.							
	IVth Depth 6.00-8.00		0.785	5	5	2	39.25	
			39.25	cum @ RS	1111.60	/cum		43630.3

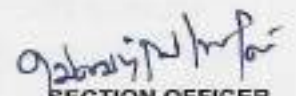
Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in medium rock and dense medium rock not requiring 5 Blasting.								
V th Depth 8.00-10.00			0.785	5	5	2	39.25	
			39.25	cum @ RS	1389.50	/cum		54537.87
Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in medium rock and dense medium rock not requiring 6 Blasting.								
VI th Depth 10.00-12.00			0.785	5	5	2	39.25	
			39.25	cum @ RS	1667.40	/cum		65445.45
Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in medium rock and dense medium rock not requiring 7 Blasting.								
VIII th Depth 12.00-14.00			0.785	5	5	2	39.25	
			39.25	cum @ RS	2223.20	/cum		87260.6
Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in medium rock and dense medium rock not requiring 8 Blasting.								
X th Depth 14.00-16.00			0.785	5	5	2	39.25	
			39.25	cum @ RS	2779.00	/cum		109075.75
Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in medium rock and dense medium rock requiring Blasting. 9								
XII th Depth 16.00-18.00			0.785	5	5	2	39.25	
(271x9th Depth)			39.25	cum @ RS	4584.00	/cum		179922
Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in hard rock requiring blasting. 10								
XIV th Depth 18.00-20.00			0.785	5	5	2	39.25	
(530x10th Depth)			39.25	cum @ RS	10514.00	/cum		412674.5
CC 1:4:8 mix using 40mm ISS HBG Metal including cost and conveyance of to site and all labour charges etc., complete as per standard specifications 11								
C/L (6.50m Dia)			1	20.41	1	0.15	3.0615	
			3.0615	cum @ RS	4959.34	/cum		8981

12	Centering for RCC Ring Beam - Towards centering charges inclusive of all material and labour charges etc., complete as per standard specification.							
13	Inner 5.0 m dia		1	15.7		0.3	4.71	
	Outer 7.0 m dia		1	21.98		0.3	6.594	
							11.304	
			11.304	sqm @ RS	455.50	/sqm		5148.972
14	RCC Ring Beam - Reinforced Cement concrete 1:11/2:3 mix using 20mm HBG metal for foundation and basement etc. complete as per standard specification.							
	C/L (6.50m Dia)		1	18.84	0.9	0.3	5.0868	
			5.0868	cum @ RS	8423.50	/cum		42848.6598
15	Fabrication of steel for Ring Beam - Supplying and fabrication of steel including cost and conveyance of steel to site and all labour charges for straightening, cutting to length, bending to shape and tying in position and forming grills for all R.C.C works as per standard specification.							
			0.745	MT @ RS	87400.75	/MT		65113.55
16	RR Masonry in CM 1:4 for steining wall & Parapet wall including cost and conveyance of material and all other labour charges etc., complete as per standard specifications							
			1	19.154	0.725	1	13.89	
	Steining wall-1.00m base width and 0.45m top width bottom C/L 6.50m top C/L 5.95m (Average 6.23 dia)		1	19.15	0.6	0.7	8.04	
	Parapet wall	C/L	1	17.427	0.45	3	23.53	
							45.46	
			45.46	cum @ RS	5433.14	/cum		246989.35
17	Plastering with cement mortar 1:4 mix 20mm thickness including cost and conveyance of material and all other labour charges etc., complete							
	Parapet -Top (C/L 5.95m dia)		1	18.68	0.45	0	8.406	
							8.406	
			8.406	sqm @ RS	497.88	/sqm		4185.13742
18	Earth work open well excavation complying with relevant classes of T.N.D.S.S well sinking and with lead upto 10m in Hard Soil not requiring Blasting.							
	First Depth							
	First Depth 0-30m		0.785	8.17	0.3	0.3	0.5772	
	(6.40+1.00+1.00-0.23 = 8.17)						0.5772	
			0.57721	cum @ RS	268.19	/cum		154.8
19	Supplying and filling of good river sand including cost and conveyance to site and all labour charges etc., complete							
	Plat Form		0.785	7.17	0.77	0.1	0.4334	
	(6.40+0.77=7.17)						0.4334	
			0.43339	cum @ RS	1683.30	/cum		242

20	PCC 1:4:8 mix using 40mm ISS HBG Metal including cost and conveyance of to site and all labour charges etc., complete								
	Kerb wall alround			0.785	8.17	0.3	0.1	0.1924	
	Plat Form			0.785	7.17	0.77	0.1	0.4334	
								0.62	
				0.62	cum @ RS	4959.34	/cum	3074.79	
21	Brick work Cm 1:5 mix using country bricks of size 83/4x 43/8 x23/4 including cost and conveyance of to site and all labour charges etc., complete								
	Kerb wall alround			0.785	8.17	0.23	0.4	0.59	
								0.59	
				0.59004	cum @ RS	5696.65	/cum	3361.23	
22	PCC 1:2:4 mix using 20mm ISS HBG Metal including cost and conveyance of to site and all labour charges etc., complete								
	Plat Form			0.785	7.4	1	0.075	0.44	
	(6.40+1.00=7.40m)							0.44	
				0.44	cum @ RS	6326.09	/sqm	1775	
23	Plastering with cement mortar 1:5 mix 12mm thickness including cost and conveyance of material and all other labour charges etc., complete								
	Kerb wall side			0.785	8.4	0.45		2.97	
	(6.40+1.00+1.00=8.40 m)							2.97	
				2.97	sqm @ RS	240.26	/sqm	383	
24	Charges for Bailing out water							LS	5000
25	Geophysical investigation charges							LS	3000
26	Provision for Name board								1000
Sub Total Rs.								1443371	
27	GST 18%								247563
28	Provision for Photo charges							LS	500
29	Contingencies							LS	565
Total Rs.								1692000	

P.AMUDHA
PRINCIPAL SECRETARY TO GOVERNMENT

// TRUE COPY//


SECTION OFFICER
62151

G.O.(Ms).No.48, R.D & P.R (CGS-1) Dept., dated 29.03.2023

Estimate for Construction of Food Grain Godown
(For More than 500 card holders) under MGNREGS**DETAILED ESTIMATE**

Estimate Amount Rs. 1251000

Sl. No	Description of work	Nos	Measurements in "m"			Contents	Amount
			Length	Breadth	Depth		
1	Earth work excavation in all classes of soils except hard rock requiring blasting depositing on bank with initial lead of 10M and lift of 2M including all labour charges and incidental charges such as shoring, strutting, providing coffer dams, bailing out of water etc., in SDR Soil- 1st depth						
	Column	1 x 10	1.30	1.30	0.30	5.07	
	Grade Beam						
	MAIN BUILDING All-round	1 x 1	21.78	0.35	0.30	2.29	
	STORE	1 x 1	7.26	0.35	0.30	0.76	
	Intermediate cross wall	1 x 1	4.08	0.35	0.30	0.43	
	Portico	1 x 1	11.79	0.35	0.30	1.24	
	All round Deduct column	1 x -10	0.23	0.35	0.30	-0.24	
	Ramp	1 x 2	6.00	0.30	0.30	1.08	
						10.63	
		or	10.63	Cum @Rs	268.19	/Cum	2851
2	Earth work excavation in all classes of soils except hard rock requiring blasting depositing on bank with initial lead of 10M and lift of 2M including all labour charges and incidental charges such as shoring, strutting, providing coffer dams, bailing out of water etc., in SDR Soil- 2nd depth						
	Column	1 x 10	1.30	1.30	0.30	3.46	
	Grade Beam						
	MAIN BUILDING All-round	1 x 1	21.78	0.35	0.20	2.94	
	STORE	1 x 1	7.26	0.35	0.20	0.98	
	Int cross wall	1 x 1	4.08	0.35	0.20	0.54	
	All round Deduct column	1 x -10	0.23	0.35	0.20	-0.25	
	Portico	1 x 1	11.79	0.35	0.20	0.83	
						8.50	
		or	8.50	Cum @Rs	331.07	/Cum	2814
3	Earth work excavation in all classes of soils except hard rock requiring blasting depositing on bank with initial lead of 10M and lift of 2M including all labour charges and incidental charges such as shoring, strutting, providing coffer dams, bailing out of water etc., in SDR Soil-3rd depth						
	Column	1 x 10	1.20	1.20	0.90	12.96	
						12.96	
		or	12.96	Cum @Rs	343.85	/Cum	4456
4	Supplying and Filling foundation and basement with filling sand in layers not more than 15cm . Thick well rammed, watered and compacted Complete complying with standard specification.						
	Column	1 x 10	1.20	1.20	0.10	1.44	

Sl. No	Description of work	Nos			Measurements in "m"			Contents	Amount
					Length	Breadth	Depth		
	Flooring								
	Store-Grains	1	x	1	3.90	4.20	0.10	1.64	
	store-Grains	1	x	1	1.27	0.60	0.10	0.08	
	Office	1	x	1	2.10	2.70	0.10	0.57	
	Kerosene	1	x	1	2.20	2.40	0.10	0.53	
	Flooring Toilet	1	x	1	1.50	1.27	0.10	0.19	
	Grade Beam								
	MAIN BUILDING All-round	1	x	1	21.78	0.35	0.10	2.29	
	STORE	1	x	1	7.26	0.35	0.10	0.76	
	Intermediate cross wall	1	x	1	4.08	0.35	0.10	0.43	
	Portico	1	x	1	11.79	0.35	0.10	0.93	
	All round Deduct column	1	x	-10	0.23	0.35	0.10	-0.24	
	Raised Platform	1	x	1	7.16	1.57	0.10	1.12	
	Ramp-Side wall	1	x	2	6.00	0.30	0.10	0.36	
	Ramp	1	x	1	6.00	1.04	0.10	0.62	
								10.72	
			or		10.72	Cum @Rs	1683.30	/Cum	18045
5	Cement concrete 1 : 4 : 8 mix using 40mm HBG metal for foundation including watering wherever necessary and laid in layers of not more than 15cm thick., compacting etc., complete complying with standard specifications and as directed.								
	Column	1	x	10	1.20	1.20	0.10	1.44	
	Flooring								
	Store-Grains	1	x	1	3.90	4.20	0.10	1.64	
	store-Grains	1	x	1	1.27	0.60	0.10	0.08	
	Office	1	x	1	2.10	2.70	0.10	0.57	
	Kerosene	1	x	1	2.20	2.40	0.10	0.53	
	Flooring Toilet	1	x	1	1.50	1.27	0.10	0.19	
	Grade Beam								
	MAIN BUILDING All-round	1	x	1	21.78	0.35	0.10	2.29	
	STORE	1	x	1	7.26	0.35	0.10	0.76	
	Intermediate cross wall	1	x	1	4.08	0.35	0.10	0.43	
	Portico	1	x	1	11.79	0.35	0.10	0.93	
	All round Deduct column	1	x	-10	0.23	0.35	0.10	-0.24	
	Raised Platform	1	x	1	7.16	1.57	0.10	1.12	
	Ramp-Side wall	1	x	2	6.00	0.30	0.10	0.36	
	Ramp	1	x	1	6.00	1.04	0.10	0.62	
								10.72	
			or		10.72	Cum @Rs	4959.34	/Cum	53164
6	Filling in Basement with conveyed earth in layers of not more than 15cm. Thick well rammed, watered and consolidated complying with standard specifications etc., complete.								
	Store-Grains	1	x	1	3.90	4.20	0.30	4.91	

Sl. No	Description of work	Nos	Measurements in "m"			Contents	Amount
			Length	Breadth	Depth		
8	Supplying and Fabricating and placing in position MS steel or ribbed for steel for all reinforced cement concrete works as per the design given including cost of steel and binding wire in all floors etc, Complete complying with standard specification.						
	Footing	1 x 1	4.21	50.00	210.5	Kg/m3	
	Grade Beam	1 x 1	3.51	100.00	351	Kg/m3	
	Column	1 x 1	2.19	200.00	438	Kg/m3	
	Lintel And Sunshade	1 x 1	4.18	80.00	334.4	Kg/m3	
	Roof beam all round	1 x 1	2.58	175.00	451.5	Kg/m3	
	Roof Slab	1 x 1	5.11	80.00	408.8	Kg/m3	
			21.78		2194.2		
			2.194	MT@ Rs	87400.75	/MT	191757
9	Supplying & Erecting centering for sides & soffits including necessary supports & strutting up to 3.29m height for plane surfaces in all floors with all cross bracings using mild steel sheets of size 90 x 60cm & 10 gauge stiffened, welded with steel angle of size 25 x 25 x 3mm for boarding (laid over silver oak joists Country wood) of size 10 x 6.5cm spaced @ about 90cm c/c and supported by casuarinas props of 10 - 13cm dia. spaced @ 75cm c/c etc., complete complying with standard specifications and as directed by the departmental officers. Rate for 10m2 for the following items.						
	i) Centering below Ground level						
	Footing	4 X 10	1.20		0.15	7.20	
	For columns up to Ground level	1 X 6	0.92		0.50	2.76	
	For columns up to Ground level	1 X 4	1.21		0.50	2.42	
	Total					12.38	
		12.38	m²		455.50	/m2	5639
	ii) Rate for column post						
	For columns Up to Basement	1 X 6	0.92		0.50	2.76	
	For columns Up to Basement	1 X 4	1.21		0.50	2.42	
	Basement to Roof slab	1 X 6	0.92		2.30	12.70	
	Basement to Roof slab	1 X 4	1.21		2.30	11.13	
	Total					29.01	
		29.01	m²		911.00	/m2	26428
	iii) Rate for Grade beam, Lintel						
	Grade beam all round	1 X 2	21.78		0.35	15.25	
	Store 3 sides	1 X 2	7.26		0.30	4.36	
	Int. Cross wall grade beam	1 X 2	3.97		0.35	2.78	
	Toilet wall grade beam	1 X 2	2.10		0.30	1.26	
	Portico	1 X 2	12.26		0.35	8.58	
	Lintel all round	1 X 2	21.78		0.25	10.89	
	Int wall Lintel	1 X 2	3.97		0.25	1.99	
	Store 3 sides	1 X 2	7.26		0.15	2.18	
	Rolling Shutter Bottom Rs1	1 x 1	1.80	0.23		0.41	
	Rolling Shutter Bottom Rs2	1 x 1	2.10	0.23		0.48	

Sl. No	Description of work	Nos			Measurements in "m"			Contents	Amount
					Length	Breadth	Depth		
	Door Bottom D1	1	x	1	1.00	0.23		0.23	
	D2	1	x	1	0.90	0.23		0.21	
	Window Bottom W	1	x	3	1.00	0.23		0.69	
	Ventilator Bottom V	1	x	4	0.90	0.23		0.83	
	Ventilator Bottom V	1	x	1	0.60	0.23		0.14	
	Total							50.28	
		50.28			m²		911.00	/m2	45805
iv)	Rate for sunshade								
	Front Verandah	1	x	1	9.92	1.80		17.86	
	window Sunshade	1	x	1	1.46	0.60		0.88	
	Toilet Door Sunshade	1	x	1	1.73	0.60		1.04	
v	Rate for Roof beam , Slab								
	Roof beam all round	1	x	2	21.78		0.25	10.89	
	Store 3 sides	1	x	2	7.26		0.175	2.54	
	Cross wall Roof beam	1	x	2	3.97		0.25	1.99	
	Portico Beam-Front	1	x	2	9.12		0.325	5.93	
	Portico Beam Side	2	x	2	1.57		0.175	1.10	
	Roof slab Office and Toilet	1	x	1	2.10	4.20		8.82	
	Roof beam Bottom	1	x	1	4.20	0.23		0.97	
	Store for Grains	1	x	1	3.90	4.20		16.38	
	Store for Kerosene	1	x	1	2.20	2.40		5.28	
	Roof slab Sides	1	x	1	27.56		0.125	3.45	
	Portico Sides	1	x	1	13.52		0.125	1.69	
								78.82	
	Total	78.82			m²		911.00	/m2	71805
10	Cement concrete 1:1.5:3 using 20mm ISS HBG metal for all RCC item of works excluding cost of Rein forcement and fabricating charges, centering and shuttering but including curing and providing fixtures like fan clamps in the RCC floor or roof slabs wherever necessary and bearing surfaces of walls , sides and bottom of the slabs, beams etc., shall be finished smooth with cement mortar 1:3, 12mm thick. and with Kraft paper without claiming extra as directed by the departmental officers complete complying with standard specifications								
	1) For foundation and basement								
	Column footing	1	x	10	1.200	1.200	0.150	2.16	
	Column footing	1	x	10	$(1.2^2 + 0.35^2)^{0.5} + \text{Sqrt}(1.2 \times 0.35)$		0.300	2.05	
	For columns up to Ground level	1	x	6	0.23	0.230	0.50	0.16	
	For columns Up to Basement	1	x	6	0.23	0.230	0.50	0.16	
	Basement to Roof Slab	1	x	6	0.23	0.230	2.35	0.75	
	For columns up to Ground level	1	x	4	0.23	0.375	0.50	0.17	
	For columns Up to Basement	1	x	4	0.23	0.375	0.50	0.17	
	Basement to Roof Slab	1	x	4	0.23	0.375	2.25	0.76	
	Grade beam all round	1	x	1	21.78	0.230	0.35	1.75	

Sl. No	Description of work	Nos			Measurements in "m"			Contents	Amount
					Length	Breadth	Depth		
	Store grade beam	1	X	1	7.26	0.230	0.30	0.50	
	Cross wall grade beam	1	X	1	3.97	0.230	0.30	0.27	
	Toilet wall grade beam	1	X	1	2.10	0.230	0.30	0.14	
	Portico Beam	1	X	1	12.26	0.230	0.30	0.85	
	Total							9.91	
		9.91		m³			8423.50	/m3	83477
ii)	For superstructure in ground floor								
	Lintel all round	1	X	1	21.78	0.23	0.25	1.25	
	Int wall Lintel	1	X	1	4.20	0.23	0.25	0.24	
	Kerosne Store Lintel	1	X	1	7.26	0.23	0.15	0.25	
	Portico Beam-Front	1	X	1	9.12	0.23	0.325	0.68	
	Portico-Sides	1	X	2	1.57	0.23	0.175	0.13	
	Portico Front	1	X	1	9.92	1.80	0.125	2.23	
	window Sunshade	1	X	1	1.46	0.60	0.063	0.06	
	Toilet Door Sunshade	1	X	1	1.73	0.60	0.063	0.07	
	Roof Beam All round	1	X	1	21.78	0.23	0.25	1.25	
	store 3 sides roof beam	1	X	1	7.26	0.23	0.175	0.29	
	Cross wall Roof Beam	1	X	1	3.97	0.23	0.25	0.23	
	Roof Slab Main Building	1	X	1	6.69	4.96	0.125	4.15	
	Roof Slab Store	1	X	1	2.43	3.16	0.125	0.96	
	Window sill slab	1	X	3	1.46	0.23	0.075	0.08	
	Total							11.87	
		11.87		m³			8537.10	/m3	101335
11	Finishing the top of the roof with one course of Machine Pressed Tiles of size 20 cm x 2 cm of approved quality laid in CEMENT MORTAR 1:3(One cement and three sand) 12 mm thick mixed with water proofing compound conforming to ISS by 2% weight of cement used and the joint pointed neatly to full depth of tiles with the same water proofing compound mixed with cement mortar, red oxide, etc., complete complying with standard specification								
	Roof Slab main Building	1	x	1	6.69	4.96	-	33.18	
	Roof Slab Store	1	x	1	2.43	3.16	-	7.68	
	Portico	1	x	1	9.92	1.80	-	17.86	
								58.72	
		58.72		Sqm			1151.26	/Sqm	67602
12	Supply and fixing of Cuddapah slab including cost and supply of work site etc complete.								
	50 MM Thick								
	Storage -Store for Grains	4	x	1	4.20	0.60		10.08	
	Storage -Store for Grains	4	x	1	1.27	0.60		3.05	
	Storage -Office	4	x	1	2.10	0.60		5.04	
								18.17	
		18.17		m²			1259.60	/m2	22887

Sl. No	Description of work	Nos			Measurements in "m"			Contents	Amount
					Length	Breadth	Depth		
13	Finishing the exposed surface of RCC item of work such as slabs, beams, sunshade, facial, canopy slab, staircase waist slab, landing slab etc., with CM 1:3, 10mm thick. including raking the surface. The rate is to include the cost of providing cement mortar beading or nosing for sunshades & staircase steps, landing slabs etc., complete complying with standard specifications.								
	Store Roof Bottom Grains	1	X	1	3.90	4.20		16.38	
	Kerosene Roof Bottom	1	X	1	2.20	2.40		5.28	
	Office Roof Bottom	1	X	1	2.10	2.70		5.67	
	Toilet	1	X	1	1.50	1.27		1.91	
	Verandah Roof Bottom	1	X	1	9.46	1.57		14.85	
	Roof Projection rear	1	X	1	6.69	0.30		2.01	
	Roof slab thick all round Portico	1	X	1	13.52		0.125	1.69	
								47.79	
		or			47.79	Sqm @Rs	275.01	/Sqm	13143
14	Plastering with CM 1:5, 12mm thick. over the cement concrete for floor finish including curing etc., complete complying with standard specifications and as directed by the departmental officers.								
	Inside								
	store Grainsall-round	1	x	1	16.20		2.80	45.36	
	Office	1	x	1	9.60		2.80	26.88	
	Toilet	1	x	1	5.54		2.80	15.51	
	Store Kerosene all-round	1	x	1	9.20		2.80	25.76	
	Middle wall- storage area	1	x	2	0.60		2.80	3.36	
	Outside								
	Outside all-round Basement	1	x	1	27.56		0.50	13.78	
	Above Basement	1	x	1	27.56		2.93	80.61	
	Step Front top	1	x	1	7.62	0.30		2.29	
	Step	1	x	1	7.62		0.15	1.14	
	Parapet	1	x	2	9.12		0.60	10.94	
	Portico Column	1	x	2	0.92		2.90	5.34	
	DEDUCTIONS								
	Rolling Shutter RS	2	x	-2	2.10		2.40	-20.16	
	Rolling Shutter RS1	2	x	-2	1.80		2.40	-17.28	
	Door D1	2	x	-1	1.00		2.10	-4.20	
	Door D2	2	x	-1	0.90		2.10	-3.78	
	Window	3	x	-2	1.00		1.30	-7.80	
	Ventilator	2	x	-4	0.90		0.60	-4.32	
	Ventilator	2	x	-1	0.60		0.60	-0.72	
	Dadoing Qty	1	x	1				-5.86	
	Add Soffits								
	Rolling ShutterRs	1	x	1	6.90	0.18		1.24	
	Rolling ShutterRs1	1	x	1	6.60	0.18		1.19	

Sl. No	Description of work	Nos			Measurements in "m"			Contents	Amount
					Length	Breadth	Depth		
	Door D1	1	x	1	5.20	0.18		0.94	
	Door D2	1	x	1	5.10	0.18		0.92	
	Window	1	x	3	3.60	0.18		1.94	
	Ventilator V1	1	x	4	2.10	0.18		1.51	
	Ventilator	1	x	1	1.80	0.18		0.32	
								174.91	
			or		174.91	Sqm @Rs	240.26	/Sqm	42023
15	Granolithic Floor finish 1:2:4 mix of 40mm thick HBG metal for foundation including watering wherever necessary and laid in layers of not more than 15cm thick., compacting etc., complete complying with standard specifications and as directed.								
	Office	1	x	1	2.10	2.70		5.67	
	Store-Grains	1	x	1	3.90	4.20		16.38	
	Kerosene-Store	1	x	1	2.20	2.40		5.28	
	Storage	1	x	1	1.27	0.60		0.76	
	Toilet	1	x	1	1.50	1.27		1.91	
	Platform	1	x	1	7.62	1.50		11.43	
	Front ramp	1	x	1	6.00	1.50		9.00	
								50.43	
			or		50.43	Sqm @Rs	244.75	/Sqm	12343
16	Paving the flooring with special type of flooring tiles (Cement based Hydraulically pressed Anti skid tiles (20mm thick) in CM 1:3, 20mm thick complying with the standard specifications and as directed by the departmental officers.								
	Toilet	1	x	1	1.50	1.27		1.91	
	Deduct WC	1	x	1	0.45	0.35		-0.16	
								1.75	
			or		1.75	Sqm @Rs	1311.81	/Sqm	2296
17	Dadoing walls with Glazed tiles of any color and any size laid in CM 1:2, 10mm thick. and pointing with white cement 0.4 Kg per sqm mixed with coloring pigment to suit the color of the tiles including finishing the joints neatly complying with the standard specifications and as directed by the departmental officers. The Glazed tiles should be got approved from the Departmental officers before execution.								
	Toilet inside all-round	1	x	1	5.54		1.20	6.65	
	deduct door	1	x	1	0.9		1.20	-1.08	
	Add for door sides	1	x	2	0.12		1.20	0.29	
								5.86	
			or		5.86	Sqm @Rs	1245.15	/Sqm	7297
20	Distemping two coats with best approved oil bound distemper including cost of painting priming coat over new plastered surface and conveyance of all materials to site and all labor charges								
	Inner Plastering QTY	1	X	1	137.73	1.00		137.73	
								137.73	
			or		137.73	Sqm @Rs	170.02	/Sqm	23417

Sl. No	Description of work	Nos			Measurements in "m"			Contents	Amount
					Length	Breadth	Depth		
21	Exterior Emulsion Two coats over priming coat including cost and conveyance of all materials and labor charges etc complete.								
	Outer Plastering QTY	1	x	1	84.97	1.00		84.97	
								84.97	
		or			84.97	Sqm @Rs	222.66	/Sqm	18919
22	Painting two coats over new iron works such as steel doors, windows, ventilators, window bars, balustrades etc., with best approved best quality of synthetic enamel paint of approved color over the existing priming coat etc., complete complying with standard specifications and as directed by the departmental officers.								
	Rolling Shutter	1	x	2.2	2.10		2.40	11.09	
	Rolling Shutter	1	x	2.2	1.80		2.40	9.50	
	Door D1	1	x	2.2	1.00		2.10	4.62	
	Door D2	1	x	2.2	0.90		2.10	4.16	
	Window	3	x	3.2	1.00		1.30	12.48	
	Ventilator	4	x	3.2	0.90		0.60	6.91	
	Ventilator	1	x	3.2	0.60		0.60	1.15	
								49.91	
		or			49.91	Sqm @Rs	133.79	/Sqm	6677
23	Supplying and fabrication of the following rolling Shutters including cost and conveyance and all charges etc complete.								
	Rolling Shutter RS	1	x	1	2.10		2.40	5.04	
	Rolling Shutter RS1	1	x	1	1.80		2.40	4.32	
								9.36	
		or			9.36	Sqm @Rs	2171.00	/Sqm	20321
24	Manufacturing supplying and fixing of steel door with the following specification MS angles of size 40x40x6mm are used for the outer frames and M.S. angles of size 35x35x6mm for the shutter frames stiffeners with 32 x 6mm M.S flat is provided at required intervals in the shutter frame. 18-gauge C.R. sheet laid as panel in the shutter and welded intact. M.S. flat 18x5mm is welded over the 32 x 6mm M.S. flat sandwiching the C.R. sheet in between additional stiffeners with 18x5mm M.S. flat is provided diagonally at the rear side of the shutter, 3nos. of hinges in case of single leaf and 6nos. of hinges in double leaves shutter to be provided 6nos. of holdfasts 120 mm in length made of angle section spliced at the ends are welded to the outer frames of the door. Tower bolts 2nos. one at the top and the other at the bottom are provided 1no. Aldrop is provided in case of double leaf door at lock rail section in the door in single leaf door, one more aldrop is provided in the inner lock rail section of the door One rotating locking arrangements for the inner side of the door and additional provision for locking arrangements for lock is provided on the rear side of the door at an appropriate place. In case of double leaf door M.S.Flat 32 x 3mm at 1.1Kg/m is provided on the one shutter to conceal the gap between the two shutters at an appropriate place in the door. A tie bar is provided at the bottom of the frame to prevent twisting of frame during transportation and fixing. All members are given a coat of red oxide primer as directed by the departmental officers. The rate includes cost of all materials, labour charges, transportation to site of work, loading, un loading and all other incidental charges etc.,								
	Door D1 Single Leaf	1	x	1	1.00		2.10	2.10	
		or			2.10	Sqm @Rs	4062.00	/Sqm	8530
25	Supplying and fixing PVC sliding door with Solid PVC door shutters using 19 Gauge 19mm MS square tubes for styles and outer frames, 15mm MS square tubes for top, lock and bottom rails. The steel tubes shall be covered with 5mm thick solid PVC sheets. Shutter using 5mm thick solid PVC sheets for panelling shall rigidly fixed in position including necessary furniture and fittings. The over all size of styles shall be 50mm x 30mm. The over all size of top rail, Lock rail and bottom rail shall be 75mm x 30mm. The over all size of frames shall be 50mm x 45mm, with suitable rebate for housing the shutter including sliding arrangements.								

Sl. No	Description of work	Nos			Measurements in "m"			Contents	Amount
					Length	Breadth	Depth		
	O2 Toilet Door	1	x	1	0.90		2.10	1.89	
								3.99	
		or			1.89	Sqm @Rs	3562.00	/Sqm	6732
26	<p>Fabricating, Supplying and fixing in position of steel sheeted windows (Two Leaves) with the following specifications. Outer frames of windows made of 'Z' section F7D of size 33 x 25 x 3mm at 1.419 kg/ m and mullion 'J' section (F4B) of size 46x25x3mm at 2.28kg/m and shutter section of made of F7D of 33x25x3mm at 1.419 kg/m as specified in IS 7452/1990. Each openable shutter should not exceed a width of 600mm to enable separate operations and easy maintenance. The panel of the shutters to be covered with 18 gauge cold rolled sheet of superior quality and welded intact with shutter frames. Horizontal stiffeners using 18x5mm MS Flat at 0.70kg/m at 3 Nos. for each shutter and additional diagonal stiffeners of the same MS flats at all the four corners of each shutters to the suitable length welded to the shutters, for holding the CR Sheets in position firmly. 2 numbers of sturdy hinges and one number of handle-cum-latch of special type made with 18x5mm MS flats are revetted to the shutters at an appropriate height in window. suitable opening is left for its easy operation, a stopper square rod for handle is provided in the mullion section at suitable place to catch the window handle. each window shutter having an adjustable stay made out of 18 x 5mm at 0.70 kg/ m MS flat of length 320mm with three adjustable position. A matching peg is provided in the outer frame of the window at suitable place. 4 Nos. of hold fasts of 120mm length spliced at the ends are welded to the outer frame of the window by using MS flat of 18x5mm at 0.70kg/m, welded to the shutter at two place equivalent from each from top and bottom of the shutter.</p>								
	Window W	1	x	3	1.00		1.30	3.90	
		or			3.90	Sqm @Rs	3959.00	/Sqm	15440
27	<p>Fabrication, supply and fixing in position of 'N' type ventilators using M.S. angle of size 25 x 25 x5 mm for frame and M.S. Flat of size 20 x 3 mm for fixing the weld mesh and using 25 x 22 x3 mm 'T' section for frame glass. Special type of Hold fast welded to the frame of 45 degree inclined towards centre for wall and fixing the weldmesh 25mm square including cost of 3mm thick pinheaded glass panes for all panels and fixing the glass panels with necessary clips & putties with required bolts, nuts and washers and one coat of red oxide primer etc. including necessary dismantling, making holes in RCC columns, beams, masonry wherever necessary with power drill to the extend required and made good to the original conditions after fixing as directed by the departmental officers.</p>								
	Ventilator V	4	x	1	0.90		0.60	2.16	
	Ventilator V	1	x	1	0.60		0.60	0.36	
		or			2.52	Sqm @Rs	2222.00	/Sqm	5599
28	<p>Supply and fixing of 15 A. Aerial Fuse unit (500A) unsuitable: 100 x 100 Teak Wood Board Concealed box Using Clamps SD-128</p>								
		1.00			No		271 /	No	271
29	<p>Supply and fixing of 16 Amps DPIC switch of 500V grade with Fuse and Neutral on suitable T.W. board with painting of suitable color with PWD Earthing (SD No.154)</p>								
		1.00			at Rs	2815.00	/Each		2815
30	<p>Supply and run of 2 of 6 sq. mm (B4/0.30) polythene insulated and PVC unsheathed S.C. Alu cable of 1100 V on 7/20 GI bearer wire for Service Connection Main - SD.64</p>								
		1	x	20	-		-	20.00	
		20.00			at Rs	87.00	/m		1740

Sl. No	Description of work	Nos	Measurements in "m"			Contents	Amount
			Length	Breadth	Depth		
31	Supply and run of 2 x 1.5sq. Mm(22/.3) PVC insulated SC unsheathed CU. Conductor of 1100Grade in 25mm Dia GI PIPE (Glass"B")suitably Bent at both ends with necessary angle iron upright and end supports for Mains SD 69						
	Service Pipe	1	x	1	3.00	-	3.00
		3.00			at Rs	587.00	/Each
32	Supplying and fixing of 4' 18W Crystal Glass LED Tube Light Fitting etc complete						
		1	x	6	-	-	6.00
		6.00			at Rs	391.00	/Each
33	Supply and fixing of W.T. Bulk head fitting complete with guard suitable for lamp with 40 W bulb with PVC unsheathed leads from terminal to the fitting - SD. 83						
	Bulk head fitting.	1	x	1	-	-	1.00
		1.00			at Rs	598.00	/Each
34	Wiring with 2 x 2.5 Sq.mm PVC unheated SC allocable of 650V grade in suitable PVC rigid pipe on wall and ceiling with PVC accessories with T.W. Switch box in flush with wall, covered with nylon sheet of 3mm thick with painting of suitable color for Concealed PVC light point / Fan Point SD 25						
	Light point	1	x	7	-	-	7.00
		7.00			at Rs.	2157.00	/Each
35	Wiring with 2 x 2.5 Sq.mm PVC unheated SC allocable of 650V grade in suitable PVC rigid pipe on wall and ceiling with PVC accessories with 150 x 100 x 113mm T.W. switch box in flush with wall, covered with nylon sheet of 3mm thick 5 Amps 3 pin non - interlocking C.S. Plug top with painting of suitable color for open PVC plug point.- SD -36.						
	Plug point.	1	x	2			2.00
		2.00			at Rs	1098.00	/Each
36	Supply and Fixing of Ceiling fan including cost and conveyance of all materials and labor charges etc complete.						
	Ceiling fan	1	x	1	-	-	1.00
		1.00			at Rs	1736.00	/Each
37	Wash basin						
	Without Pedestal	1	x	1	-	-	1.00
					1.00 nos @Rs.	3687.79	/ No
38	IWC For Toilet						
		1	x	1	-	-	1.00
					1.00 nos @Rs.	5002.89	/ No
39	EB Service connection						LS
40	Provision for Rain water Harvesting Structure including all charges etc complete						LS
41	Provision for Water Supply Arrangements like UPVC Pipe ,UPVC specials And PVC specials etc						LS
42	Provision for Citizen Information Board						LS
43	Provision for Photographic charges including all charges etc complete						LS
44	GST 18%						LS
45	Provision For one set of RCC rings 1.2 m dia for Toilet						LS
46	Provision For Elevation /Stupa work						LS
47	Provision for P.S.Charges and contingencies						LS
					Total		1251000

P.AMUDHA
PRINCIPAL SECRETARY TO GOVERNMENT

// TRUE COPY//

SECTION OFFICER

8/1/23

ANNEXURE-IV

G.O.(Ms).No.48, R.D & P.R (CGS-1) Dept., dated 29.03.2023

Estimate for Construction of Food Grain Godown
(For Less than 500 card holders) under MGNREGS

DETAILED ESTIMATE

Estimate Amount Rs, 916000

Sl. No	Description of work	Nos			Measurements in "m"			Contents	Amount
					Length	Breadth	Depth		
1	Earth work excavation in all classes of soils except hard rock requiring blasting depositing on bank with initial lead of 10M and lift of 2M including all labour charges and incidental charges such as shoring, strutting, providing coffer dams, bailing out of water etc., in SDR Soil- 1st depth								
	Column	1	x	8	1.30	1.30	0.30	4.06	
	Grade Beam								
	MAIN BUILDING All-round	1	x	1	21.08	0.35	0.30	2.21	
	Toilet	1	x	1	1.98	0.35	0.30	0.21	
	cross wall	1	x	1	3.25	0.35	0.30	0.34	
	All round Deduct column	1	x	-8	0.23	0.35	0.30	-0.19	
	Portico	1	x	1	9.36	0.35	0.30	0.98	
	Ramp	1	x	2	6.00	0.30	0.30	1.08	
								8.69	
		or			8.69	Cum @Rs	268.19	/Cum	2331
2	Earth work excavation in all classes of soils except hard rock requiring blasting depositing on bank with initial lead of 10M and lift of 2M including all labour charges and incidental charges such as shoring, strutting, providing coffer dams, bailing out of water etc., in SDR Soil- 2nd depth								
	Column	1	x	8	1.30	1.30	0.30	4.06	
	Grade Beam								
	MAIN BUILDING All-round grade Beam	1	x	1	21.08	0.35	0.20	1.48	
	Toilet	1	x	1	1.98	0.35	0.20	0.14	
	cross wall	1	x	1	3.25	0.35	0.20	0.23	
	All round Deduct column	1	x	-8	0.23	0.35	0.20	-0.13	
	Portico	1	x	1	9.36	0.35	0.20	0.66	
								6.44	
		or			6.44	Cum @Rs	331.07	/Cum	2132
3	Earth work excavation in all classes of soils except hard rock requiring blasting depositing on bank with initial lead of 10M and lift of 2M including all labour charges and incidental charges such as shoring, strutting, providing coffer dams, bailing out of water etc., in SDR Soil-3rd depth								
	Column	1	x	8	1.30	1.30	0.90	12.17	
								12.17	
		or			12.17	Cum @Rs	343.85	/Cum	4185
4	Supplying and Filling foundation and basement with filling sand in layers not more than 15cm . Thick well rammed, watered and compacted Complete complying with standard specification.								
	Column	1	x	8	1.30	1.30	0.10	1.35	

Sl. No	Description of work	Nos			Measurements in "m"			Contents	Amount
					Length	Breadth	Depth		
	Flooring								
	Flooring store-Grains	1	x	1	4.150	3.60	0.10	1.49	
	Flooring store-Grains	1	x	1	1.27	0.600	0.10	0.08	
	Flooring Kerosene	1	x	1	2.10	2.10	0.10	0.44	
	Flooring Toilet	1	x	1	1.50	1.27	0.10	0.19	
	Grade Beam								
	MAIN BUILDING All-round	1	x	1	21.08	0.35	0.10	0.74	
	Toilet	1	x	1	1.98	0.35	0.10	0.07	
	cross wall	1	x	1	3.25	0.35	0.10	0.11	
	All round Deduct column	1	x	-8	0.23	0.35	0.10	-0.06	
	Portico	1	x	1	9.36	0.35	0.10	0.33	
	Ramp	1	x	2	6.00	0.30	0.10	0.36	
	Ramp	1	x	1	6.00	1.04	0.10	0.62	
								5.72	
		or			5.72	Cum @Rs	1683.30	/Cum	9628
5	Cement concrete 1 : 4 : 8 mix using 40mm HBG metal for foundation including watering wherever necessary and laid in layers of not more than 15cm thick., compacting etc., complete complying with standard specifications and as directed.								
	Column	1	x	8	1.30	1.30	0.10	1.35	
	Flooring								
	Flooring store-Grains	1	x	1	4.150	3.60	0.10	1.49	
	Flooring store-Grains	1	x	1	1.27	0.600	0.10	0.08	
	Flooring Kerosene	1	x	1	2.10	2.10	0.10	0.44	
	Flooring Toilet	1	x	1	1.50	1.27	0.10	0.19	
	Grade Beam								
	MAIN BUILDING All-round	1	x	1	21.08	0.35	0.10	0.74	
	Toilet	1	x	1	1.98	0.35	0.10	0.07	
	cross wall	1	x	1	3.25	0.35	0.10	0.11	
	All round Deduct column	1	x	-8	0.23	0.35	0.10	-0.06	
	Portico	1	x	1	9.36	0.30	0.10	0.28	
	Ramp	1	x	2	6.00	0.30	0.10	0.36	
	Ramp	1	x	1	6.00	0.97	0.10	0.58	
								5.63	
		or			5.63	Cum @Rs	4959.34	/Cum	27921
6	Filling in Basement with conveyed earth in layers of not more than 15cm. Thick well rammed, watered and consolidated complying with standard specifications etc., complete.								
	Flooring store-Grains	1	x	1	4.150	3.60	0.30	4.48	
	Flooring store-Grains	1	x	1	1.27	0.600	0.30	0.23	
	Flooring Kerosene	1	x	1	2.10	2.10	0.30	1.32	

Sl. No	Description of work	Nos			Measurements in "m"			Contents	Amount
					Length	Breadth	Depth		
	Ramp	1	x	2	6.00	0.30	0.15	0.54	
	Flooring Toilet	1	x	1	1.50	1.27	0.30	0.57	
								7.14	
		or			7.14	Cum @Rs	36.95	/Cum	264
7	Brick work in CM 1:5mix using country bricks ground molded of size 23 x 11 x 7cm for the following including curing etc., complete complying with standard specifications.								
i]	For foundation and basement								
	main walls all-round	1	x	1	21.08	0.23	0.50	2.42	
	Cross wall	1	x	1	3.37	0.23	0.50	0.39	
	Toilet	1	x	1	2.1	0.23	0.50	0.24	
	Deduct column	1	x	-6	0.23	0.23	0.50	-0.16	
	Raised platform	1	x	1	8.05	0.23	0.20	0.37	
	Ramp	1	x	2	6.00	0.23	0.15	0.41	
	Step	1	x	1	5.51	0.30	0.15	0.25	
	Step - Toilet	1	x	1	1.50	0.30	0.15	0.07	
	Step - Toilet	1	x	1	1.50	0.30	0.15	0.07	
								4.06	
		or			4.06	Cum @Rs	5696.65	/Cum	23128
ii]	For superstructure in ground floor								
	Superstructure								
	main walls all-round	1	x	1	21.08	0.23	2.23	10.79	
	Cross wall	1	x	1	3.37	0.23	2.23	1.72	
	Toilet	1	x	1	2.1	0.23	2.23	1.07	
	Deduct column	1	x	-6	0.23	0.23	2.23	-0.08	
	Parapet	1	x	1	6.94	0.23	0.60	0.96	
	DEDUCTIONS								
	Rolling Shutter Rs	1	x	-1	2.10	0.23	2.40	-1.16	
	Rolling Shutter Rs1	1	x	-1	1.80	0.23	2.40	-0.99	
	Window	1	x	-1	1.00	0.23	1.30	-0.30	
	Door D1	1	x	-1	1.00	0.23	2.10	-0.48	
	Door D2	1	x	-1	0.90	0.23	2.10	-0.43	
	Ventilator V	1	x	-3	0.90	0.23	0.60	-0.37	
	Ventilator V1	1	x	-1	1.20	0.23	0.60	-0.17	
								10.56	
		or			10.56	Cum @Rs	5771.45	/Cum	60946
8	Supplying and Fabricating and placing in position MS steel or ribbed steel for all reinforced cement concrete works as per the design given including cost of steel and binding wire in all floors etc, Complete complying with standard specification.								
	Footing	1	x	1	3.37	50.00	168.5	Kg/m3	

Sl. No	Description of work	Nos			Measurements in "m"			Contents	Amount
					Length	Breadth	Depth		
	Grade Beam	1	x	1	2.83	100.00	283	Kg/m ³	
	Column	1	x	1	2.05	200.00	410	Kg/m ³	
	Lintel And Sunshade	1	x	1	1.33	80.00	106.4	Kg/m ³	
	Roof beam all round	1	x	1	1.94	175.00	339.5	Kg/m ³	
	Roof Slab	1	x	1	5.23	80.00	418.4	Kg/m ³	
					16.75		1725.8		
					1.730	MT@ Rs	87400.75	/MT	151203
9	Supplying & Erecting centering for sides & soffits including necessary supports & strutting up to 3.29m height for plane surfaces in all floors with all cross bracings using mild steel sheets of size 90 x 60cm & 10 gauge stiffened, welded with steel angle of size 25 x 25 x 3mm for boarding laid over silver oak joists (Country wood) of size 10 x 6.5cm spaced @ about 90cm c/c and supported by casuarinas props of 10 - 13cm dia. spaced @ 75cm c/c etc., complete complying with standard specifications and as directed by the departmental officers. Rate for 10m ² for the following items								
	I] Centering below Ground level								
	Footing	1	X	8	1.20		0.15	1.44	
	For columns up to Ground level	1	X	8	1.21		0.50	4.84	
	Total							6.28	
				6.28	m²		455.50	/m²	2861
	II] Rate for column post								
	For columns Up to Basement	1	X	8	1.21		0.50	4.84	
	Basement to Roof slab	1	X	8	1.21		2.23	21.54	
	Total							26.38	
				26.38	m²		911.00	/m²	24032
	III] Rate for Grade beam ,Lintel								
	Grade beam all round	1	X	2	21.08		0.35	14.76	
	Cross wall grade beam	1	X	2	3.37		0.35	2.36	
	Toilet wall grade beam	1	X	2	2.10		0.30	1.26	
	Lintel all round Beam	1	X	2	21.08		0.25	10.54	
	Int wall	1	X	2	3.37		0.15	1.01	
	Midwall	1	X	2	2.10		0.15	0.63	
	Lintel Portico Front	1	X	1	6.94		0.325	2.26	
	Lintel Side Beam	2	X	2	1.27		0.175	0.89	
	Rolling Shutter BottomRS1	1	x	1	1.80	0.23		0.41	
	Rolling Shutter BottomRs2	1	x	1	2.10	0.23		0.48	
	D2	1	x	1	0.90	0.23		0.21	
	Window Bottom W	1	x	1	1.00	0.23		0.23	
	Ventilator Bottom V	1	x	3	0.90	0.23		0.62	
	Ventilator V1	1	x	1	1.20	0.23		0.28	
	Total							35.94	

Sl. No	Description of work	Nos			Measurements in "m"			Contents	Amount
					Length	Breadth	Depth		
				35.94	m ²		911.00	/m ²	32741
iv)	Rate for sunshade								
	Front Verandah Sunshade	1	X	1	6.94	1.50		10.41	
	Toilet Door Sunshade	1	X	1	1.50	0.60		0.90	
	Portico Slab	1	X	1	7.74	1.50		11.61	
v	Rate for Roof Beam ,Slab								
	Roof beam all round	1	X	2	21.08		0.25	10.54	
	Cross wall Roof beam	1	X	2	3.37		0.25	1.69	
	Roof slab Office and Toilet	1	X	1	2.10	1.27		2.67	
	Store for Grains	1	X	1	4.75	3.60		17.10	
	Store for Kerosene	1	X	1	1.50	2.10		3.15	
	Roof slab Sides	1	X	1	22.00		0.125	2.75	
	Portico Sides	1	X	1	10.84		0.125	1.36	
								62.18	
	Total			62.18	m ²		911.00	/m ²	56646
10	Cement concrete 1:1.5:3 using 20mm ISS HBG metal for all RCC item of works excluding cost of Rein force meat and fabricating charges, centering and shuttering but including curing and providing fixtures like fan clamps in the RCC floor or roof slabs wherever necessary and bearing surfaces of walls , sides and bottom of the slabs, beams etc., shall be finished smooth with cement mortar 1:3, 12mm thick. and with Kraft paper without claiming extra as directed by the departmental officers complete complying with standard specifications								
i)	For foundation and basement								
	Column footing	1	X	8	1.200	1.200	0.150	1.73	
	Column footing	1	X	8	($1.2^2 + 0.35^2 + \text{Sqrt}(1.2 \times 0.35)$)		0.300	1.64	
	For columns up to Ground level	1	X	8	0.23	0.375	0.50	0.35	
	For columns Up to Basement	1	X	6	0.23	0.375	0.50	0.26	
	Basement to Roof Slab	1	X	6	0.23	0.375	2.23	1.15	
	Portico Column	1	X	2	0.23	0.230	0.50	0.05	
	Basement to Roof Slab	1	X	2	0.23	0.230	2.23	0.24	
	Grade beam all round	1	X	1	21.08	0.230	0.35	1.70	
	Cross wall grade beam	1	X	1	3.37	0.230	0.30	0.23	
	Toilet wall grade beam	1	X	1	2.10	0.230	0.30	0.14	
	Portico grade Beam	1	X	1	9.48	0.230	0.35	0.76	
	Total							8.25	
				8.25	m ³		8423.50	/m ³	69494
ii)	For superstructure in ground floor								
	Lintel all round	1	X	1	21.08	0.23	0.23	1.12	
	Int wall	1	X	1	3.37	0.23	0.15	0.12	
	Mid wall	1	X	1	2.10	0.23	0.15	0.07	
	Portico Front	1	X	1	6.94	0.23	0.28	0.44	

Sl. No	Description of work	Nos			Measurements in "m"			Contents	Amount
					Length	Breadth	Depth		
	Side beam	1	X	2	1.27	0.23	0.18	0.10	
	Toilet Door Sunshade	1	X	1	1.50	0.60	0.063	0.06	
	Roof Beam All round	1	X	1	21.08	0.23	0.25	1.21	
	Cross wall Roof Beam	1	X	1	3.37	0.23	0.25	0.19	
	Roof Slab Main Building	1	X	1	6.94	4.36	0.125	3.78	
	Portico Slab	1	X	1	7.74	1.50	0.125	1.45	
	Window sill slab	1	X	1	1.46	0.23	0.075	0.03	
	Total							8.57	
		8.57			m³		8537.10	/m3	73163
11	Finishing the top of the roof with one course of Machine Pressed Tiles of size 20 cm x 2 cm of approved quality laid in CEMENT MORTAR 1:3(One cement and three sand) 12 mm thick mixed with water proofing compound conforming to ISS by 2% weight of cement used and the joint pointed neatly to full depth of tiles with the same water proofing compound mixed with cement mortar, red oxide, etc., complete complying with standard specification								
	Roof Slab main Building	1	x	1	6.94	4.36	-	30.26	
								30.26	
		30.26			Sqm		1151.26	/Sqm	34837
12	Supply and fixing of Cuddapah slab including cost and supply of work site etc complete.								
	50 MM Thick								
	Storage -Store for Grains	4	x	1	3.25	0.60		7.80	
	Storage -	4	x	1	1.27	0.60		3.05	
								10.85	
		10.85			m²		1259.60	/m2	13667
13	Finishing the exposed surface of RCC item of work such as slabs, beams, sunshade, facial, canopy slab, staircase waist slab, landing slab etc., with CM 1:3, 10mm thick. including raking the surface. The rate is to include the cost of providing cement mortar beading or nosing for sunshades & staircase steps, landing slabs etc., complete complying with standard specifications.								
	Store Roof Bottom Grains	1	X	1	4.15	3.60		14.94	
	Kerosene Roof Bottom	1	X	1	2.10	2.10		4.41	
	Toilet/Storage	1	X	1	2.10	1.27		2.67	
	Verandah Roof Bottom	1	X	1	7.74	1.50		11.61	
	Roof Projection front & rear	1	X	1	6.94	0.30		2.08	
	Portico Slab	1	X	1	10.74		0.125	1.34	
								37.05	
					37.05	Sqm @Rs	275.01	/Sqm	10189
14	Plastering with CM 1:5,12mm thick. over the cement concrete for floor finish including curing etc., complete complying with standard specifications and as directed by the departmental officers.								
	Inside								
	store Grainsall-round	1	x	1	16.70		2.80	46.76	
	Toilet	1	x	1	5.54		2.80	15.51	

Sl. No	Description of work	Nos			Measurements in "m"			Contents	Amount
					Length	Breadth	Depth		
	Store Kerosene all-round	1	x	1	8.40		2.80	23.52	
	Outside								
	Outside all-round Basement	1	x	1	22.00		0.50	11.00	
	Above Basement	1	x	1	22.00		2.93	64.35	
	Step Front top	1	x	1	5.51	0.30		1.65	
	Step	1	x	1	5.51		0.15	0.83	
	Portico Column	1	x	1	0.92		2.90	2.67	
	Parapet	1	x	2	6.94		0.60	8.33	
	DEDUCTIONS								
	Rolling Shutter RS	2	x	-2	2.10		2.40	-20.16	
	Rolling Shutter RS1	2	x	-2	1.80		2.40	-17.28	
	Door D2	2	x	-1	0.90		2.10	-3.78	
	Window	2	x	-1	1.00		1.30	-2.60	
	Ventilator	2	x	-3	0.90		0.60	-3.24	
	Ventilator V1	2	x	-1	1.20		0.60	-1.44	
	Dadoing Qty							-5.86	
	Add Soffits								
	Rolling ShutterRs	1	x	1	6.90	0.18		1.24	
	Rolling ShutterRs1	1	x	1	6.60	0.18		1.19	
	Door D2	1	x	1	5.10	0.18		0.92	
	Window	1	x	1	3.60	0.18		0.65	
	Ventilator	1	x	3	2.10	0.18		1.13	
	Ventilator	1	x	1	2.40	0.18		0.43	
								125.82	
			or		125.82	Sqm @Rs	240.26	/Sqm	30229
15	Granolithic Floor finish 1:2:4 mix of 40mm thick HBG metal for foundation including watering wherever necessary and laid in layers of not more than 15cm thick., compacting etc., complete complying with standard specifications and as directed.								
	Store-Grains/OFFICE	1	x	1	4.15	3.60		14.94	
	Kerosene-Store	1	x	1	2.10	2.10		4.41	
	Toilet	1	x	1	1.50	1.27		1.91	
	Storage	1	x	1	1.27	0.60		0.76	
	Raised platform	1	x	1	5.51	1.20		6.61	
								28.63	
			or		28.63	Sqm @Rs	244.75	/Sqm	7007
16	Paving the flooring with special type of flooring tiles (Cement based Hydraulically pressed Anti skid tiles (20mm thick) in CM 1:3, 20mm thick complying with the standard specifications and as directed by the departmental officers.								
	Toilet	1	x	1	1.50	1.27		1.91	
	Deduct WC	1	x	1	0.45	0.35		-0.16	

Sl. No	Description of work	Nos			Measurements in "m"			Contents	Amount
					Length	Breadth	Depth		
							1.75		
		or			1.75	Sqm @Rs	1311.81	/Sqm	2296
17	Dadoing walls with Glazed tiles of any color and any size laid in CM 1:2, 10mm thick, and pointing with white cement 0.4 Kg per sqm mixed with coloring pigment to suit the color of the tiles including finishing the joints neatly complying with the standard specifications and as directed by the departmental officers. The Glazed tiles should be got approved from the Departmental officers before execution.								
	Toilet inside all-round	1	x	1	5.54		1.20	6.65	
	deduct door	1	x	1	0.9		1.20	-1.08	
	Add for door sides	1	x	2	0.12		1.20	0.29	
								5.86	
		or			5.86	Sqm @Rs	1245.15	/Sqm	7297
20	Distempering two coats with best approved oil bound distemper including cost of painting priming coat over new plastered surface and conveyance of all materials to site and all labor charges								
	Inner Plastering QTY	1	X	1	98.29	1.00		98.29	
								98.29	
		or			98.29	Sqm @Rs	170.02	/Sqm	16711
21	Exterior Emulsion Two coats over priming coat including cost and conveyance of all materials and labor charges etc complete.								
	Outer Plastering QTY	1	X	1	62.10	1.00		62.10	
								62.10	
		or			62.10	Sqm @Rs	222.66	/Sqm	13827
22	Painting two coats over new iron works such as steel doors, windows, ventilators, window bars, balustrades etc., with best approved best quality of synthetic enamel paint of approved color over the existing priming coat etc., complete complying with standard specifications and as directed by the departmental officers.								
	Rolling Shutter	1	x	2.2	2.10		2.40	11.09	
	Rolling Shutter	1	x	2.2	1.80		2.40	9.50	
	Door D2	1	x	2.2	0.90		2.10	4.16	
	Window	1	x	3.2	1.00		1.30	4.16	
	Ventilator	3	x	3.2	0.90		0.60	5.18	
	Ventilator	1	x	3.2	1.20		0.60	2.30	
								36.39	
		or			36.39	Sqm @Rs	133.79	/Sqm	4869
23	Supplying and fabrication of the following rolling Shutters including cost and conveyance and all charges etc complete.								
	Rolling Shutter RS	1	x	1	2.10		2.40	5.04	
	Rolling Shutter RS1	1	x	1	1.80		2.40	4.32	
								9.36	
		or			9.36	Sqm @Rs	2171.00	/Sqm	20321

Sl. No	Description of work	Nos			Measurements in "m"			Contents	Amount
					Length	Breadth	Depth		
24	<p>Manufacturing supplying and fixing of steel door with the following specification MS angels of size 40x40x6mm are used for the outer frames and M.S. angles of size 35x35x6mm for the shutter frames stiffeners with 32 x 6mm M.S flat is provided at required intervals in the shutter frame. 18-gauge C.R. sheet laid as panel in the shutter and welded intact. M.S. flat 18x5mm is welded over the 32 x 6mm M.S. flat sandwiching the C.R. sheet in between additional stiffeners with 18x5mm M.S. flat is provided diagonally at the rear side of the shutter, 3nos. of hinges in case of single leaf and 6nos. of hinges in double leaves shutter to be provided 6nos. of holdfasts 120 mm in length made of angle section spliced at the ends are welded to the outer frames of the door. Tower bolts 2nos. one at the top and the other at the bottom are provided 1no. Aldrop is provided incase of double leaf door at lock rail section in the door in single leaf door, one more aldrop is provided in the inner lock rail section of the door One rotating locking arrangements for the inner side of the door and additional provision for locking arrangements for lock is provided on the rear side of the door at an appropriate place. Incase of double leaf door M.S.Flat 32 x 3mm at 1.1Kg/m is provided on the one shutter to conceal the gap between the two shutters.at an appropriate place in the door. A tie bar is provided at the bottom of the frame to prevent twisting of frame during transportation and fixing. All members are given a coat of red oxide primer as directed by the departmental officers. The rate includes cost of all materials, labour charges, transportation to site of work, loading, un loading and all other incidental charges etc.,</p>								
	D2 Single Leaf	1	x	1	0.90		2.10	1.89	
		or			1.89	Sqm @Rs	4062.00	/Sqm	7677
25	<p>Fabricating, Supplying and fixing in position of steel sheeted windows (Two Leaves) with the following specifications. Outer frames of windows made of 'Z' section F7D of size 33 x 25 x 3mm at 1.419 kg/ m and mullion 'J' section (F4B) of size 46x25x3mm at 2.28kg/m and shutter section of made of F7D of 33x25x3mm at 1.419 kg/m as specified in IS 7452/1990. Each openable shutter should not exceed a width of 600mm to enable separate operations and easy maintenance. The panel of the shutters to be covered with 18 gauge cold rolled sheet of superior quality and welded intact with shutter frames. Horizontal stiffeners using 18x5mm MS Flat at 0.70kg/m at 3 Nos. for each shutter and additional diagonal stiffners of the same MS flats at all the four corners of each shutters to the suitable length welded to the shutters, for holding the CR Sheets in position firmly.2 numbers of sturdy hinges and one number of handle-cum-latch of special type made with 18x5mm MS flats are revetted to the shutters at an appropriate height in window. suitable opening is left for its easy operation. a stopper square rod for handle is provided in the mullion section at suitable place to catch the window handle. each window shutter having an adustable stay made out of 18 x 5mm at 0.70 kg/ m MS flat of lenght 320mm with three adjustable position. A matching peg is provided in the outer frame of the window at suitable place. 4 Nos. of hold fasts of 120mm length spliced at the ends are welded to the outer frame of the window by using MS flat of 18x5mm at 0.70kg/m, welded to the shutter at two place equivalent from each from top and bottom of the shutter.</p>								
	Window W	1	x	1	1.00		1.30	1.30	
		or			1.30	Sqm @Rs	3959.00	/Sqm	5147
26	<p>Fabrication, supply and fixing in position of 'N' type ventilators using M.S. angle of size 25 x 25 x5 mm for frame and M.S. Flat of size 20 x 3 mm for fixing the weld mesh and using 25 x 22 x3 mm 'T' section for frame glass. Special type of Hold fast welded to the frame of 45 degree inclined towards centre for wall and fixing the weldmesh 25mm square including cost of 3mm thick pinheaded glass panes for all panels and fixing the glass panels with necessary clips & putties with required bolts, nuts and washers and one coat of red oxide primer etc. including necessary dismantling, making holes in RCC columns, beams, masonry wherever necessary with power drill to the extend required and made good to the original conditions after fising as directed by the departmental officers.</p>								
	Ventilator V	3	x	1	0.90		0.60	1.62	
	Ventilator V1	1	x	1	1.20		0.60	0.72	
		or			2.34	SQm @Rs	2222.00	/SQm	5199
27	<p>Supply and fixing of 15 A Aerial Fuse unit (500A) unsuitable 100 x 100 Teak Wood Board Concealed box Using Clamps SD-12B</p>								
		1.00	No		271	/ No		271	

Sl. No	Description of work	Nos	Measurements in "m"			Contents	Amount
			Length	Breadth	Depth		
28	Supply and fixing of 16 Amps DPIC switch of 500V grade with Fuse and Neutral on suitable T.W. board with painting of suitable color with PWD Earthling (SD No.154)						
		1.00	at Rs	2815.00	/Each		2815
29	Supply and run of 2 of 6 sq. mm (84/0.30) polythene insulated and PVC unsheathed S.C. Alu cable of 1100 V on 7/20 Gi bearer wire for Service Connection Main - SD.64						
		1 x 15	-	-	-	15.00	
		15.00	at Rs	87.00	/m		1305
30	Supply and run of 2 x 1.5sq. Mm(22/.3) PVC insulated SC unsheathed CU. Conductor of 1100Grade in 25mm Dia GI PIPE (Glass"B")suitably Bent at both ends with necessary angle iron upright and end supports for Mains SD 69						
	Service Pipe	1 x 1	3.00	-	-	3.00	
		3.00	at Rs	587.00	/Each		1761
31	Supplying and fixing of 4' 18W Crystal Glass LED Tube Light Fitting etc complete						
	CFL bulb 20w	1 x 5	-	-	-	5.00	
		5.00	at Rs	391.00	/Each		1955
32	Supply and fixing of W.T. Bulk head fitting complete with guard suitable for lamp with 40 W bulb with PVC unsheathed leads from terminal to the fitting - SD. 83						
	Bulk head fitting.	1 x 1	-	-	-	1.00	
		1.00	at Rs	598.00	/Each		598
33	Wiring with 2 x 2.5 Sq.mm PVC unheated SC allocable of 650V grade in suitable PVC rigid pipe on wall and ceiling with PVC accessories with T.W. Switch box in flush with wall, covered with nylon sheet of 3mm thick with painting of suitable color for concealed PVC light point / Fan Point SD 25						
	Light point /Fan Point	1 x 5	-	-	-	5.00	
		5.00	at Rs.	2157.00	/Each		10785
34	Wiring with 2 x 2.5 Sq.mm PVC unheated SC allocable of 650V grade in suitable PVC rigid pipe on wall and ceiling with PVC accessories with 150 x 100 x 113mm T.W. switch box in flush with wall, covered with nylon sheet of 3mm thick 5 Amps 3 pin non - interlocking C.S. Plug top with painting of suitable color for open PVC plug point.- SD -36.						
	Plug point.	1 x 1				1.00	
		1.00	at Rs	1098.00	/Each		1098
35	Supply and Fixing of Ceiling fan including cost and conveyance of all materials and labor charges etc complete.						
	Ceiling fan	1 x 1	-	-	-	1.00	
		1.00	at Rs	1736.00	/Each		1736
36	Wash Basin						
	Without Pedestal	1 x 1	-	-	-	1.00	
		1.00	at Rs	3687.79	/Each		3688
37	IWC						
		1 x 1	-	-	-	1.00	
		1.00	at Rs	5002.89	/Each		5003
38	EB Service connection					LS	3200
39	Provision for Rain water Harvesting Structure including all charges etc complete					LS	3500

Sl. No	Description of work	Nos	Measurements in "m"			Contents	Amount
			Length	Breadth	Depth		
40	Provision for Water Supply Arrangements like UPVC Pipe ,UPVC specials And PVC specials etc					LS	6000
41	Provision for Citizen Information Board					L.S	1000
42	Provision for Photographic charges including all charges etc complete					L.S	500
43	GST 18%					L.S	136173
44	Provision For one set of RCC rings for Toilet					LS	4000
45	Provision for Aluminium Partition ,And Door for office					LS	5000
46	Provision for Front Elevation /Stupa Work					LS	5000
47	Provision for P.S.Charges and contingencies					LS	664
						Total	916000

P.AMUDHA
PRINCIPAL SECRETARY TO GOVERNMENT

// TRUE COPY //

[Handwritten Signature]
SECTION OFFICER
20/11/20

ANNEXURE-V

G.O.(Ms).No.48, R.D & P.R (CGS-1) Dept., dated 29.03.2023

ESTIMATE FOR DIRECT PURCHASE CENTRE BASED ON MGNREGS RSoR 2022-23

DETAILED ESTIMATE

Sl. no	Description	No	L	B	D	Qty	Unit
1	Earth work excavation for foundation in all classes of soils and sub soils and to depth as may be directed except in hard rock, requiring blasting, including infinal leads and lifts and re-filling the sides of foundation, with excavated earth in 150mm layers well watered rammed and consolidated, including depositing surplus earth within the godown or inside compound in places shown with initial leads and lifts, clearing and levelling the site, shoring strutting baling of water wherever necessary etc., complete complying with standard specification.						
	For Main wall around Godown						
	I Depth	1 X 1	34.64	0.90	0.30	9.35	Cum
	II Depth	1 X 1	34.64	0.90	0.30	9.35	Cum
	III Depth	1 X 1	34.64	0.90	0.90	28.06	Cum
	For Main wall around 3 sides of Gunny ,Office,F.S						
	I Depth	1 X 1	18.65	0.90	0.30	5.04	
	D / F Offset at Mainwall of Godown &Gunny,Office	-1 X 2	0.45	0.90	0.30	-0.24	
						4.79	Cum
	II Depth	1 X 1	18.65	0.90	0.30	5.04	
	D / F Offset at Mainwall of Godown &Gunny,Office	-1 X 2	0.45	0.90	0.30	-0.24	
						4.79	Cum
	III Depth	1 X 1	18.65	0.90	0.90	15.11	
	D / F Offset at Mainwall of Godown &Gunny,Office	-1 X 2	0.45	0.90	0.90	-0.73	
						14.38	Cum
	Cross wall between Office ,Gunny & F.S						
	I Depth	1 X 2	3.29	0.90	0.30	1.77	
	D / F Offset	-1 X 2	0.45	0.90	0.30	-0.24	
						1.53	Cum
	II Depth	1 X 2	3.29	0.90	0.30	1.77	
	D / F Offset	-1 X 2	0.45	0.90	0.30	-0.24	
						1.53	Cum
	III Depth	1 X 2	3.29	0.90	0.90	5.32	
	D / F Offset	-1 X 2	0.45	0.90	0.90	-0.73	
						4.59	Cum
	For Open & Covered Yard wall Column Found						
	I Depth	1 X 16	0.90	0.90	0.30	3.89	Cum
	II Depth	1 X 16	0.90	0.90	0.30	3.89	Cum
	III Depth	1 X 16	0.90	0.90	0.60	7.78	Cum
	For Open & Covered Yard wall Grade beam around 3 sides						
	I Depth	1 X 1	47.09	0.40	0.30	5.65	

Sl. no	Description	No	L	B	D	Qty	Unit
	D / F Junction of Column foundation	-1 X 16	0.23	0.23	0.30	-0.25	
						5.40	Cum
	II Depth	1 X 1	47.09	0.40	0.10	1.88	
	D / F Junction of Column foundation	-1 X 16	0.23	0.23	0.10	-0.08	
						1.80	Cum
	For Cross Wall at Open Yard						
	I Depth	1 X 1	8.77	0.40	0.30	1.05	Cum
	II Depth	1 X 1	8.77	0.40	0.10	0.35	Cum
	Sundries					0.47	Cum
						0.82	
	Total					103.00	Cum
2	Supplying and filling in foundation and basement with clean river sand in layers not exceeding 150mm well watered rammed and consolidated including watering etc. complete complying with standard specification.						
	For Main wall around Godown	1 X 1	34.64	0.90	0.15	4.68	
	For Main wall around 3 sides of Gunny ,Office,F.S	1 X 1	18.65	0.90	0.15	2.52	
	D / F Offset at Mainwall of Godown&Gunny,Office	-1 X 2	0.45	0.90	0.15	-0.12	
	Crosswall between Office,Gunny & F.S	1 X 2	3.29	0.90	0.15	0.89	
	D / F Offset	-1 X 2	0.45	0.90	0.15	-0.12	
	For Open & Covered Yard and Additional drying yard wall Column Foundations	1 X 16	0.90	0.90	0.20	2.59	
	For Open & Covered Yard wall Grade beam around Three sides	1 X 1	47.09	0.40	0.15	2.83	
	D / F Junction of Column foundation	-1 X 16	0.23	0.23	0.15	-0.13	
	For Cross Wall at Open Yard	1 X 1	8.77	0.40	0.15	0.53	
	Sundries					0.34	
	Total					14.00	Cum
3	Supplying and spreading the gravel for proposed Godownsite around in layers of not exceeding 20 cm thick including well watered, rammed and consolidated etc, complete.						
	Flooring for Godown	1 X 1	8.32	8.32	1.20	83.07	
	Flooring for office and Gunny	1 X 2	4.16	3.00	1.20	29.95	
	Flooring for Farmers shed	1 X 1	3.00	3.12	1.20	11.23	
	Flooring for open & Covered Yard	1 X 1	18.64	8.54	1.10	175.10	
	Sundries					0.64	
	Total					300.00	Cum
4	Cement Concrete 1:4:8 mix using 40mm metal including cost and conveyance of all materials to work site and all labour charges etc., complete as per standard specification.						
	For Main wall around Godown	1 X 1	34.64	0.90	0.15	4.68	
	For Main wall around 3 sides of Gunny, Office, F.S	1 X 1	18.65	0.90	0.15	2.52	
	D / F Offset at Mainwall of Godown&Gunny,Office	-1 X 2	0.45	0.90	0.15	-0.12	
	Crosswall between Office,Gunny & F.S	1 X 2	3.29	0.90	0.15	0.89	

Sl. no	Description	No	L	B	D	Qty	Unit
	D / F Offset	-1 X 2	0.45	0.90	0.15	-0.12	
	For Open & Covered Yard wall Column Found	1 X 16	0.90	0.90	0.10	1.30	
	For Open & Covered Yard wall Grade beam around Three sides	1 X 1	47.09	0.40	0.10	1.88	
	D / F Junction of Column foundation	-1 X 16	0.23	0.23	0.10	-0.08	
	For Cross Wall at Open Yard	1 X 1	8.77	0.40	0.10	0.35	
	Flooring for Godown	1 X 1	8.32	8.32	0.10	6.92	
	Flooring for office and Gunny	1 X 2	4.16	3.00	0.10	2.50	
	Flooring for Farmers shed	1 X 1	3.00	3.12	0.10	0.94	
	Flooring for open & Covered Yard	1 X 1	18.64	8.54	0.10	15.92	
	Sundries					0.44	
	Total					38.00	Cum
5	Brick work in CM 1:5 (one cement and Five sand) using best quality country brick of size 8 3/4" 4 1/4"x 2 1/4" for walls including cost and convetance of all labour and materials including scaffolding curing finishing etc., complete complying with standard specification and as directed etc., complete						
A	Foundation and basement						
	For Main wall around Godown	1 X 1	34.64	0.34	2.10	24.73	
	For Main wall around 3 sides of Gunny ,Office,F.S	1 X 1	18.65	0.34	2.10	13.31	
	Cross wall between F.S, Office &Gunny	1 X 2	3.29	0.34	2.10	4.70	
	D / F Offset	-1 X 16	0.34	0.34	2.10	-3.88	
	For Open & Covered Yard wall Grade beam around Three sides of Open yard	1 X 1	47.09	0.23	0.90	9.75	
	D / F Junction of Column foundation	-1 X 16	0.23	0.23	0.90	-0.76	
	For Cross Wall at Open Yard	1 X 1	8.77	0.23	0.90	1.82	
	Sundries					0.18	
	Total					49.85	cum
B	Super structure in ground floor upto 4.5m height above basement						
	For Main wall around Godown Up to 2.80m	1 X 1	34.64	0.34	2.80	32.98	
	For Main wall around Godown up to 4.50m	1 X 1	35.04	0.23	1.70	13.70	
	Extra at Pillar for cable wall	1 X 2	0.45	0.11	1.80	0.18	
	Inside pilastor above 2.80m	1 X 4	0.45	0.11	1.70	0.34	
	Inside pilastor at corner	2 X 2	0.11	0.11	1.70	0.08	
	Cable wall	1 X 2	9.00	0.23	0.90	3.73	
	Pilastor above Rolling Shutter	1 X 1	0.45	0.11	3.10	0.15	
	For Main wall around 3 sides of Gunny ,Office,F.S	1 X 1	18.65	0.23	3.00	12.87	
	Crosswall between Office,Gunny & F.S	1 X 2	3.00	0.23	3.00	4.14	
	Cable wall	1 X 4	3.00	0.23	0.30	0.83	
	Support for Seat arrangement in office	2 X 3	0.60	0.11	0.60	0.24	
	Support for Table arrangement in office	1 X 4	0.60	0.11	0.75	0.20	
	Support for Cupboard arrangement in office	1 X 6	0.45	0.11	2.10	0.62	
	D / F Air inlet window	-2 X 3	0.60	0.34	0.60	-0.73	
	D / F Lintels over Air inlet windows	-2 X 3	1.28	0.34	0.15	-0.39	
	D / F Rolling Shutter	-1 X 1	1.80	0.34	2.60	-1.59	
	D / F Beam for Rolling Shutter	-1 X 1	3.00	0.34	0.30	-0.31	

Sl. no	Description	No	L	B	D	Qty	Unit
	D / F Curtain wall portion	-1 X 2	2.40	0.34	0.45	-0.73	
	D / F Ventilator	-1 X 8	1.20	0.23	0.60	-1.32	
	D / F Door between Godown and Gunny	-1 X 1	0.90	0.34	2.10	-0.64	
	D / F Door between Gunny, Office & F.S room	-1 X 3	0.90	0.23	2.10	-1.30	
	D / F Lintels over Door between Gunny and Godown	-1 X 1	1.58	0.34	0.15	-0.08	
	D / F Window	-1 X 3	0.90	0.23	1.20	-0.75	
	D / F RCC Jolly	-2 X 2	1.20	0.23	0.60	-0.66	
	D / F 2.1m Level Lintel(23cm wall)	-1 X 1	18.65	0.23	0.15	-0.64	
	D / F 2.1m Level Lintel(34cm wall)	-1 X 1	8.66	0.34	0.15	-0.44	
	D / F Bed block for Trusses	-1 X 2	0.45	0.45	0.45	-0.18	
	D / F Cross wall above lintel	-1 X 2	3.00	0.23	0.15	-0.21	
	Binder wall(Godown)	1 X 4	5.75	0.34	0.30	2.35	
	Binder wall(Office and Gunny)	1 X 2	3.46	0.23	0.30	0.48	
	Add Extra for closing the gap inbetween Ventilator and A.C.sheet	1 x 2	9.00	0.23	0.30	1.24	
	Sundries					0.38	
	Total					64.50	cum
6	Providing form work for centering the soffits of all reinforcement cement concrete surfaces including strutting to the required height with M.S.Sheets of 90 x 60cm x 10 gauge stiffened with welded M.S angle of size 25x25x3mm laid over silver oak joints of size 10cm x 6.50cm spaced at about 90cm centre to centre and supported by casurina props of 10cm to 13 cm dia spaced at 75cm centre to centre complying with standard specification and as directed.						
a.	Column footing & plinth beam						
	For R C C Column footings sides around Godown footing,office,Gunny & F.S	1 X 18	1.36		2.00	48.96	
	For R C C Columns around Covered yard	1 X 6	1.80		1.90	20.52	
	For R C C Columns around Open yard	1 X 10	0.92		1.90	17.48	
	For Gate Pillar 1st footing	2 X 4	1.50		0.25	3.00	
	For Gate Pillar 2nd footing	2 X 4	1.20		0.25	2.40	
	For Gate Pillar above footing	2 X 4	0.50		4.20	16.80	
	For sides of Plinth Beam						
	Around Godown (Basement Level)	1 X 2	34.64		0.15	10.39	
	Around Three sides of Gunny,office & F.S	1 X 2	18.65		0.15	5.59	
	For Cross wall in Open Yard	1 X 2	8.54		0.15	2.56	
	Crosswall between Office &Gunny	2 X 2	3.29		0.15	1.97	
	For Open & Covered Yard wall Grade beam around Three sides	1 X 2	47.09		0.15	14.13	
	For Cross Wall Covered Yard & Open Yard	1 X 2	8.77		0.15	2.63	
	For Open & Covered Yard wall Plinth beam around Three sides	1 X 2	47.09		0.15	14.13	

Sl. no	Description	No			L	B	D	Qty	Unit
	For Cross Wall Covered Yard & Open Yard	2	X	2	8.77		0.15	5.26	
	sundries							0.17	
	Total							166.00	Sqm
b	RCC Lintel.								
	For A.I.window @ 0.60 m Level Bottom	1	X	6	0.60	0.45		1.62	
	For A.I.window @ 0.60m Level Sides	2	X	6	1.41		0.15	2.54	
	For Lintel at Door In Gunny,F.S,office Bottom	1	X	3	0.90	0.23		0.62	
	For Lintel at Door In Godown Bottom	1	X	1	0.90	0.34		0.31	
	For Lintel at Jolly In Gunny,F.S Bottom	1	X	4	1.20	0.23		1.10	
	For Sides around Office,Gunny&Godown 2 (8.77+3*3.92) = 24.12	1	X	2	30.64		0.15	9.19	
	For Window Bottom @ Office	1	X	1	0.90	0.23		0.21	
	sundries							0.41	
	Total							16.00	Sqm
c	Rectangular Beam & Curtain Slab								
	For sunshade Bottom @ 2.10m Level	1	X	1	15.82	0.60		9.49	
	For sunshade sides @ 2.10m Level	1	X	1	15.82		0.08	1.27	
	For curtain slab & Rolling Shutter Bottom and sides	1	X	1	2.40	0.05		0.12	
	For curtain slab & Rolling Shutter Front side	1	X	2	2.40		0.45	2.16	
	For Tie Beam @ 2.60mLevel Bottom Rolling Shutter	1	X	1	2.40	0.34		0.82	
	For Tie Beam @ 2.60mLevel sides	1	X	2	3.00		0.30	1.80	
	For Tie Beam @ 4.50mLevel sides around	1	X	2	34.64		0.15	10.39	
	For Ventilator Bottom	1	X	8	1.20	0.23		2.21	
	Bed block for truss around	1	X	2	1.80		0.45	1.62	
	sundries							0.12	
	Total							30.00	Sqm
7	RCC 1:1.5:3 mix using 20mm metal including cost and conveyance and all labour charges etc., complete as per standard specification								
a.	Foundation and basement For Raft Slab								
	For Main wall around Godown raft	1	X	1	34.64	0.90	0.15	4.68	
	For Main wall around Three sides of Gunny and OfficeGodown	1	X	1	18.65	0.90	0.15	2.52	
	D / F Offset at Mainwall of Godown Gunny,Office,F.S	-1	X	2	0.45	0.90	0.15	-0.12	
	Crosswall between Office,Gunny & F.S	1	X	2	3.29	0.90	0.15	0.89	
	D / F Offset	-1	X	2	0.45	0.90	0.15	-0.12	
	For Open & Covered Yard wall Column Foundations	1	X	18	0.34	0.34	2.00	4.16	
	Column Mat for Covered & Open Yard	1	X	16	0.90	0.90	0.20	2.59	
	For Plinth Beam								
	For Cross Wall at Open Yard	1	X	1	8.77	0.23	0.15	0.30	
	For Main wall around Godown	1	X	1	34.64	0.34	0.15	1.77	
	For Main wall around 3 sides of Gunny,Office&F.S	1	X	1	18.65	0.34	0.15	0.95	

Sl. no	Description	No	L	B	D	Qty	Unit
	For Open & Covered Yard wall Grade beam (at Ground Level)	1 X 1	47.09	0.23	0.15	1.62	
	Crosswall between Office & Gunny	1 X 2	3.29	0.23	0.15	0.23	
	Crosswall between Covered & Open Yard	1 X 1	8.77	0.23	0.15	0.30	
	For Main wall Three sides of Gunny, Office, Godown & F.S	1 X 1	18.64	0.23	0.15	0.64	
	For Cross wall In Open & Covered Yard	1 X 1	8.77	0.23	0.15	0.30	
	For Cross wall in Open Yard I & II	1 X 2	6.50	0.23	0.15	0.45	
	For Open & Covered Yard wall Plinth beam around Three sides (At Plinth level)	1 X 1	47.09	0.23	0.15	1.62	
	For Cross wall in Open & Covered Yard	1 X 1	8.77	0.23	0.15	0.30	
	D / F Junction of Column foundation	-1 X 16	0.23	0.23	0.15	-0.13	
	For Stanction post	2 X 3	0.45	0.45	1.20	1.46	
	For R C C Columns around Open & Covered yard	1 X 6	0.45	0.45	1.90	2.31	
	For R C C Columns around Open & Covered yard	1 X 10	0.23	0.23	1.90	1.01	
	Sundries					0.26	
	Total					28.00	Cum
b	Above basement upto 4.50m height in ground floor from basement.						
	For Plinth Beam at 2.10 m Level						
	For Main wall around 3 sides of Gunny, Office & Godown	1 x 1	18.65	0.23	0.15	0.64	
	Over main wall inbetween Godown and Office, Guny	1 x 1	8.77	0.34	0.15	0.45	
	Crosswall between Office, Gunny & F.S	1 x 2	3.29	0.23	0.15	0.23	
	Sunshade for office room window outer	1 x 1	15.82	0.60	0.08	0.76	
	For Lintel of Air Inlet Windows	1 x 6	1.30	0.34	0.15	0.40	
	For projection of A.I.W. around	1 x 6	2.00	0.12	0.10	0.14	
	For Stanction post	2 x 3	0.45	0.45	0.75	0.91	
	For Lintel Beam at 2.60 m Level						
	Lintel beam above Rolling shutter	1 x 1	3.00	0.34	0.23	0.23	
	Lintel beam above Curtain	1 x 1	2.40	0.05	0.45	0.05	
	For Tie Beam at 4.5 m Level						
	For Main wall around Godown	1 x 1	34.64	0.23	0.15	1.20	
	Bed block for truss	1 x 2	0.45	0.45	0.45	0.18	
	Sundries					0.3	
	Total					5.50	Cum
8	Supplying and fabricating and placing in position M.S.grills for reinforcement for all RCC works, including cost of rods, straightening, bending, cracking tying grills, with 18 gauge galvanized binding wire and placing the grills in position etc., complete and as directed. The steel rods alone will be supplied by the corporation at site of work and the cost will be recovered at issue rate						
	For R.C.C. Qty as per item No 7 a		28.00	85.00		2380	
	For R.C.C. Qty as per item No 7 b		5.50	90.00		495	
	Total					2875	Kg

Sl. no	Description	No	L	B	D	Qty	Unit	
Total						28.75	Qtl	
9	<p>Supplying and fixing (under lintel groove) cold rolled Rolling shutters of approved quality of 18 gauge 7.5 cm wide cold rolled lath section in one piece inter locked together with specially a specially designed pipe shaft with adequate number of high tensile steels wire springs of approved quality complete with brackets, side guides and arrangements for inside and outside locking arrangements with push and pull operations and pulling back handle with all accessories with best workmanship. The entire shutter painted with two coats of best quality anti-corrosive nut brown colour paint over one coat of red oxide primer and clear opening of 1.8m width and 2.60m height. The rolling shutter will be placed below the lintel and behind the RCC curtain slab 7.5cm thick and 45cm depth. Each rolling shutter shall be provided with one pair of approved quality of ball bearing etc., complete. Rolling shutter should be got approved by the Executive Engineer before fixing in position. (This specification consists of the following component materials required for erection of rolling shutter</p> <p>(1).18G 3" lath section, 1.90m long 29 nos (2).10 Guide channel 2.60m long - 2nos (3).13G Bottom plate for 1.80m long with angle. (4).M.S.Pipe 40mm dia C' Class - 2m Long. (5).10 SWG side plate 13" x 12" - 2 Nos. (6).2 SWG spring 3" bore. (7). 'U'- Clamp. (8).Ball bearing suitable for 2 1/2" pipe. (9).18 SWG clip suitable for 4 lathes. (10).20 SWG M.S.sheet and (11) 20mm square rod 1m long. The above materials will be inspected by A.E.E. at site before assembling and erection of Rolling Shutter.</p>	1	X	1			1	Nos
10	<p>Supplying and fixing of steel AIR INLET Windows of size 0.60 x 0.60m using extruded angles (L-angle) around for frame with centre mullion (T - Type Angle) and shutter with the same L-Section properly fixed with hinges 2 Nos for each shutter. The FRP plain sheets to be fixed with Teak wood reapers and necessary locking arrangements including Weld mesh 25mm x 25mm x 10 gauge and welded with iron square bars of 10mm size - 3 Nos horizontally and 2 Nos Vertically welded together to form a grill and welding grill to the main frame with 4mm thick and 12mm wide MS flats. The rate is also inclusive of one coat of steel primer and Two coats of Aluminium paint and quality. The paint should be got approved by the Executive Engineer before use on work. 2 nos 20cm long stays for shutters etc., Complete. The shutters should open inside.</p>	2	X	3			6	Nos
11	<p>Supplying and fixing of steel N-Type VENTILATOR of size 1.20m x 0.60m using extruded angles (L-angle) for outer frame with centre mullion (T - Section) and Weld mesh 25mm x 25mm x 10 gauge and of 10mm size MS square bars horizontally one at top and one at bottom welded to the frames with necessary MS flats of size 20mm x 4mm thick and with necessary shutters made up of the same L / D section pivoted centrally so as to to N - type about, with necessary FRP plain sheets properly fixed with Teak wood fillets, MS hold fast 20cm long and necessary ring. The rates shall be inclusive of one coat of steel red oxide primer and Two coats of Aluminium paint and quality. The paint should be got approved by the Executive Engineer before use on work.</p>	2	X	4			8	Nos
12	<p>Floor finishing with Semi Polished Cuddappah slab over a coat of bitumen at the rate of 17 Kg / 10 sqm, over base concrete and laid with cement mortar 1:4 (One Cement and Four Sand) of 20mm thick including pointing the Semi polished Cuddappah slab with Cement Mortar 1:3, to full depth and directed. The Semi polished Cuddappah slab shall be of size 60cm x 45cm for a thickness of 40mm machine cutting on all sides and top surface Semi - polished. The tolerance for thickness shall not exceed +_ 10% (Rate includes cost of all materials).</p>	2	X	2	2.50	0.30	3.00	
	For Seating arrangements, F.S & office	1	X	2	1.20	0.60	1.44	
	For Table arrangements, F.S & Office	1	X	5	3.00	0.45	6.75	
	Sundries						0.81	
Total						12.00	Sqm	

Sl. no	Description	No	L	B	D	Qty	Unit
13	Plastering with cm 1:5 (one cement and five sand) 12mm thick including scaffolding finishing curing etc., complete complying with standard specification and as directed.						
	For Inside of Godown around	1 X 4	8.32		4.65	154.75	
	For Outside of Godown around	1 X 3	9.00		5.85	157.95	
	For Innerside of Gunny,Office & F.S	1 X 1	18.75		3.00	56.25	
	For Outside of Gunny,Office & F.S around	1 X 1	29.66		3.30	97.88	
	Cable Inner and Outer (9/2=4.5) Godown	2 X 2	4.50		1.80	32.40	
	Cable wall (0.6/2=0.3)	2 X 4	3.00		0.30	7.20	
	Cover platform and Drying yard outer around	1 X 1	72.06		1.15	82.87	
	Pilasters sides upto 2.80m Height	1 X 8	0.11		2.80	2.46	
	Pilasters sides from 2.80m to 4.50mHeight	2 X 4	0.11		1.70	1.50	
	pilasters at Cable wall	2 X 2	0.11		3.50	1.54	
	Sides of Door openings (0.34wall)	1 X 1	5.10	0.34		1.73	
	Sides of Door openings (0.23 wall)	1 X 3	5.10	0.23		3.52	
	Sides of Air Inlet Windows openings (0.23 wall)	1 X 6	2.40	0.34		4.90	
	Sides of Windows openings (0.23 wall)	1 X 3	4.20	0.23		2.90	
	Sides of Jolly openings (0.23 wall)	2 X 2	3.60	0.23		3.31	
	Sides of Ventilator openings (0.23 wall)	2 X 4	3.60	0.23		6.62	
	Sides of Rolling shutter openings (0.23 wall)	1 X 1	8.80	0.34		2.99	
	Support for seat arrangements in Office	2 X 6	1.06		0.45	5.72	
	Support for working Table in Office	2 X 8	0.45		0.75	5.40	
	Support for Tackking arrangements in Office	2 X 12	0.45		0.90	9.72	
	Sunshade Bottom and Top	1 X 2	15.82	0.60		18.98	
	Sunshade Face	1 X 1	15.82		0.08	1.27	
	For Cable wall	2 X 4	3.23		0.30	7.75	
	Add Binding wall	1 X 4	5.60		0.95	21.28	
	Add Binding wall	1 X 2	3.65		0.90	6.57	
	D / F Door	-2 X 2	0.90		2.10	-7.56	
	D / F Window	-1 X 3	0.90		1.20	-3.24	
	D / F Jolly	-1 X 4	1.20		0.60	-2.88	
	Airinlet windows	-2 X 6	0.60		0.60	-4.32	
	Rolling shutter	-1 X 2	1.80		2.60	-9.36	
	Ventilator	-2 X 8	1.20		0.60	-11.52	
	Sundries					0.41	
	Total					659.00	Sqm
14	Manufacturing, supplying and fixing of Steel Door (Single Leaf) with following specification: MS angle of size 40 x 40 x 6mm at 3.5 kg/m used for outer frame and MS Angle of size 35 x 35 x 5mm at 2.6 Kg/m for the shutter frame. Stiffeners with 32 x 6mm at 1.5 Kg/m MS Flat is provided as the lock rail of the door and welded intact on both ends to the shutter frame. 18 gauge CR Sheets of best quality is laid as panel in the shutter frames. 18 x 5mm at 0.70 kg/m MS flat is welded over the 32 x 6mm at 1.50 kg./m MS Flat on the rear side of the door, sandwiching the CR Sheet for rigidity. Additional stiffeners with 18 x 5mm at 0.70 kg./m MS flats are provided diagonally on the rear side of the shutter. 300mm length of hinges 2 Nos, for shutter is provided. 6 Nos. of 250mm length hold fasts 200mm length specified at the ends are welded to the outer frame of the door.						
	For Doors at Office,Gunny ,Farmer's room	1 X 4	0.90		2.10	7.56	Sqm

Sl. no	Description	No	L	B	D	Qty	Unit		
15	Fabricating, supplying and fixing in position of steel windows (Two Leaves) with the following specifications. Outer frames of windows made of 'Z' section F7D of size 33 x 25 x 3mm at 1.419 kg./m and mullion 'J' section (F4B) of size 46 x 25 x 3mm at 2.28 kg./m and shutter section of made of F7D of 33 x 25 x 3mm at 1.419 kg./m as specified in IS 7452 / 1990. Each openable shutter should not exceed a width of 600mm to enable separate operations and easy maintenance. The panel of the shutters to be covered with 18 gauge cold rolled sheet of superior quality and welded intact with shutter frames. Horizontal stiffeners using 18 x 5mm MS Flat at 0.70 kg./m at 3 Nos. for each shutter and additional diagonal stiffeners of the same MS flats at all the four corners of each shutters to the suitable length welded to the shutters, for holding the CR Sheets in position firmly. 2 numbers of sturdy hinges and one number of handle-cum-latch of special type made with 18 x 5mm MS flats are rivetted to the shutters at an appropriate height in window								
	For Windows at Office size 0.90m x 1.20m	1	X	3	0.90		1.20	3.24	Sqm
16	Plain Cement concrete 1:2:4 (one cement two sand and four aggregate) using 20mm gauge hard broken granite stone jelly including cost and conveyance all materials and labour charges for mixing, laying, compacting and finishing dewatering, side shuttering wherever necessary, curing etc., complete for foundation etc., complying with standard specification.								
	Flooring for Godown	1	X	1	8.32	8.32	0.10	6.92	
	Flooring for office, Gunny	1	X	2	4.16	3.00	0.10	2.50	
	Flooring for Farmers Shed	1	X	1	3.00	3.12	0.10	0.94	
	Flooring for Open and Covered Yard	1	X	1	18.64	8.54	0.10	15.92	
	Truss Plate	1	X	2	0.45	0.45	0.45	0.18	
	Sundries								
	Total							26.46	Cum
17	Supplying and fixing in position of rain beating RCC jolly, 8cm thick in cement concrete 1:2:4 using 20mm stone jelly, including cost and conveyance of all materials labour charges for mixing, laying, casting, curing and fixing in position of jolly as directed and cost of mould fabrication of reinforcement etc., complete.								
	For Gunny Room	1	X	2	1.20		0.6	1.44	
	For Farmer's room	1	X	2	1.20		0.6	1.44	
	Sundries							0.12	
	Total							3.00	Sqm
18	Supplying and roofing with Asbestos Cement corrugated sheets including fixing of ridges. corrugated sheets including fixing of ridges. complete including the cost of GI I or J bolts and nuts bitumen & GI washers with 8mm thick bitumen/roofing compound including cost of A.C sheet and two coats of white washing in the underside of the AC sheet etc., complete (Ac sheets and the ridge pieces and other specials required for this work alone will be supplied by the corporation at site of work and the cost recovered at issue rate.								
	For Roof of Godown	1	X	2	9.00	6.00		108.00	
	For Roof of Office and Gunny & F.S	1	X	1	12.29	4.20		51.62	
	For Roof of Covered Platform	1	X	2	10.15	6.00		121.80	
	Sundries							0.58	
	Total							282.00	Sqm
19	Fabricating, hoisting and fixing in position (as per drawing enclosed) pipe purlins of available length of the following structural steel pipe and welded with 8mm thick M.S. Plates, including cutting, drilling holes and welding and painting with Two coat of ISI approved quality of anticorrosive metallic nut brown colour paint over one coat of steel red oxide priming coat etc., complete. (The required pipe and structural steel members will be supplied at free of cost), complete with standard specification and as directed. The rate includes painting two coats of I class synthetic enamel paint over. The required pipes will be supplied by departmentally at site of work at free of cost.								
	65mm dia M.S pipe purlin								
	For godown (2x2= 4)	4	X	6	4.50			108.00	
	For Office and Gunny	2	X	4	4.50			36.00	

Sl. no	Description	No	L	B	D	Qty	Unit
	Add extras for F.S	1 X 4	3.60			14.40	
	Sundries					4.60	
	Total					163.00	Rm
	Total weight @ 7.01 Kg per Rm		163.00	7.01		1143.00	Kg
	40mm dia M.S. Pipe purlin						
	For Covered Platform (3x 2 = 6)	6 X 6	3.35			120.60	
	For Runner in Covered Platform	1 X 3	3.35			10.05	
	End Purlins	1 X 8	1.50			12.00	
	Sundries					5.45	
	Total					148.10	Rm
	Total weight @ 4.06 Kg per Rm		148.10	4.06		601.00	Kg
20	Fabricating and erecting in position of 4 Nos of tubular trusses of 9m span with 40mm dia. M.S.Pipe for principal rafters and bottom tie and with 25mm dia M.S pipe for all other member including cutting starightning, alingning champering ends welding and fixing with M.S.Plates 8mm thick at two sides for jointing with principal rafter bottom tie fixing the truss with 10mm base plate over anchor bolts 20mm size 450mm long and 250 x 150 x 8mm anchor plates etc.,complete.The trusses will be manufactured as per drawings enclosed. The rate should include Two coats of anti - corrosive metallic nut brown colour paint over one coat of red oxide primer.All structural steel materials,bolts and nuts will be supplied by departmentally at site at free of cost.						
	For Godown - 9M Span	1 X 4				4	Nos
	Weight per Truss = 147 Kg			4	147	588	Kg
21	Fabrication and erection of 6 Nos Steel 'Stanchion 3m, height made up of 2 Nos. of 65mm dia M.S pipes with 12mm thick base plate 45 x 45cm. Size supported by 65x65x6mm angle over foundation bolts 25mm dia 4 Nos. and 10mm thick top plate 300mm x 300mm size supported by 50x50x6mm angle with bracing of 50x6mm flat at 50cm. Centre to centre including fixing base plate, top plate and welding the bracings to pipes including painting two coats of good quality I class synthetic enamel paint over one coat of red oxide primer etc., complete.All structural steel materials,bolts and nuts will be supplied by departmentally at site at free of cost.						
	Stanchions at Covered Platform	2 X 3				6	Nos
	Total weight @ 77.00 Kg per ach satnchion			6	77	462	Kg
22	White washing Two coats using best shell lime, incluing cost of gum, kanjee, brushes,etc,complete complying with standard specification						
	For Inside of Godown alround	1 x 4	8.32		4.65	154.75	
	For Innerside of Gunny,Office & F.S	1 x 1	18.75		3.00	56.25	
	Cable Inner and Outer (9/2=4.5) Godown	1 x 2	4.50		1.80	16.20	
	Cable wall (0.6/2=0.3)	2 x 2	3.00		0.30	3.60	
	Pilasters sides upto 2.80m Height	1 x 8	0.11		2.80	2.46	
	Pilasters sides from 2.80m to 4.50mHeight	2 x 4	0.11		1.70	1.50	
	pilasters at Cable wall	2 x 2	0.11		3.50	1.54	
	Sides of Door openings (0.34wall)	1 x 1	5.10	0.34		1.73	
	Sides of Door openings (0.23 wall)	1 x 3	5.10	0.23		3.52	
	Sides of Air inlet Windows openings (0.23 wall)	1 x 6	2.40	0.34		4.90	
	Sides of Windows openings (0.23 wall)	1 x 3	4.20	0.23		2.90	
	Sides of Jolly openings (0.23 wall)	2 x 2	3.60	0.23		3.31	
	Sides of Ventilator openings (0.23 wall)	2 x 4	3.60	0.23		6.62	
	Sides of Rolling shutter openings (0.23 wall)	1 x 1	8.80	0.34		2.99	
	Support for seat arrangements in Office	2 x 6	1.06		0.45	5.72	
	Support for working Table in Office	2 x 8	0.45		0.75	5.40	

Sl. no	Description	No	L	B	D	Qty	Unit
	Support for Tackling arrangements in Office	2 x 12	0.45		0.90	9.72	
	For Cable wall	2 x 2	3.23		0.30	3.88	
	D / F Door	-2 x 2	0.90		2.10	-7.56	
	D / F Window	-1 x 3	0.90		1.20	-3.24	
	D / F Jolly	-1 x 4	1.20		0.60	-2.88	
	Airinlet windows	-2 x 6	0.60		0.60	-4.32	
	Rolling shutter	-1 x 2	1.80		2.60	-9.36	
	Ventilator	-2 x 8	1.20		0.60	-11.52	
	Sundries					0.88	
	Total					249.00	Sqm
23	Painting two coats of newly plastered wall surface with ready mixed plastic emulsion paint of first class quality and of approved colour over a priming coat including thorough scrapping, clean removal of dirt, and including necessary plaster of paris putty, wherever required etc., complete complying with standard specification.						
	For Outside of Godown alround	1 X 3	9.00		5.85	157.95	
	For Outside of Gunny, Office & F.S alround	1 X 1	29.66		3.30	97.88	
	Cable Inner and Outer (9/2=4.5) Godown	1 X 2	4.50		1.80	16.20	
	Cable wall (0.6/2=0.3)	2 X 2	3.00		0.30	3.60	
	Sunshade Bottom and Top	1 X 2	15.82	0.60		18.98	
	Sunshade Face	1 X 1	15.82		0.08	1.27	
	For Cable wall	2 X 2	3.23		0.30	3.88	
	Add Binding wall	1 X 4	5.60		0.95	21.28	
	gateb pillet	1 X 2	1.80		2.60	9.36	
	Add Binding wall	1 X 2	3.65		0.90	6.57	
	Sundries					0.75	
	Total					337.72	Sqm
24	Supplying fabricating and fixing in position M.S Entrance gate of folloing size of two leavas with 400mm M.S pipe alround and 15mm M.S pipe alround and fixing vertically to the 40mm pipe fully welded 12 gauge B.P sheet and 300 m B.P sheet weleded horizontally with 40mm pipe both sided at middle of gate with necessary locking arrangements etc.,						
	For DPC entrance	1 X 1				1.00	
	Total					1.00	no
25	Providing Electrification arrangements						
26	Provision for GST18%						
27	Provision for Citizen Information Board						
28	Provision for Photocharges						
29	Provision for unforeseen charges						

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ESTIMATE FOR DIRECT PURCHASE CENTRE BASED ON MGNREGS RSoR 2022-23

ABSTRACT ESTIMATE

Sl. No.	Quantity	Description	Rate in rupees	Unit in Figures and in words	Amount in rupees
1		Earth work excavation and depositing with initial lead of 10m and lift of 2m in Hard Soil			
		For Main wall around Godown			
	9.35 Cum	I Depth	268.19	per cum	2508
	9.35 Cum	II Depth	331.07	per cum	3096
	28.06 Cum	III Depth	343.85	per cum	9648
		For Main wall around 3 sides of Gunny ,Office,F.S			
	4.79 Cum	I Depth	268.19	per cum	1285
	4.79 Cum	II Depth	331.07	per cum	1587
	14.38 Cum	III Depth	343.85	per cum	4944
		Cross wall between Office ,Gunny & F.S			
	1.53 Cum	I Depth	268.19	per cum	411
	1.53 Cum	II Depth	331.07	per cum	507
	4.59 Cum	III Depth	343.85	per cum	1579
		For Open & Covered Yard wall Column Found			
	3.89 Cum	I Depth	268.19	per cum	1043
	3.89 Cum	II Depth	331.07	per cum	1287
	7.78 Cum	III Depth	343.85	per cum	2674
		For Open & Covered Yard wall Grade beam around 3 sides			
	5.40 Cum	I Depth	268.19	per cum	1447
	1.80 Cum	II Depth	331.07	per cum	596
		For Cross Wall at Open Yard			
	1.05 Cum	I Depth	268.19	per cum	282
	0.82 Cum	II Depth	331.07	per cum	272
2	14.00 M ³	Supplying and filling in foundation, basement, etc with filling sand in layers of not more than 15 cm thick well watered, rammed and consolidated etc. complete complying with standard specification and as directed by the departmental officers.	1683.30	1 M ³ (One cubic metre)	23566
3	300.00 M ³	Supplying and spreading the gravel for proposed Godownsite around in layers of not exceeding 20 cm thick including well watered, rammed and consolidated etc, complete.	472.05	1 M ³ (One cubic metre)	141613
4	38.00 M ³	Cement Concrete 1:4:8 mix using 40mm metal including cost and conveyance of all materials to work site and all labour charges etc., complete as per standard specification.	4959.34	1 M ³ (One cubic metre)	188455
5		Brick work in following Cement Mortar using best quality of country bricks of size 8-3/4" x 4-1/4" x 2-1/4" for foundation and basement including curing, etc., complete complying with standard specification.			
a	49.85 M ³	In Cement Mortar 1:5 (one cement and five sand)	5696.65	1 M ³ (One cubic metre)	283978
b	64.50 M ³	Super structure in ground floor upto 4.5m height above basement	5771.45	1 M ³ (One cubic metre)	372263

Sl. No.	Quantity		Description	Rate in rupees	Unit in Figures and in words	Amount in rupees
6			Supplying and erecting steel centering including necessary supports for plane surfaces for Reinforced Cement Concrete works such as column footings, column pedestals, plinth beams, grade beams, staircase steps, etc. which require only nominal strutting using mild steel sheets of size 90cm x 60cm and 10 BG stiffened with welded mild steel angles of size 25mm x 25mm x 3 mm for boarding, laid over silver oak joists of size 10cm x 6.5cm spaced at about 75cm centre to centre or at suitable intervals etc. complete in all floors complying with standard specification. (Payment for centering shall be given after the concrete is laid)			
a	166.00	M ²	Coloum footing & plinth beam	455.00	1 M ² (One square metre)	75530
b	16.00	M ²	For plane surfaces such as RCC floor slab, roof slab, beams, lintels, bed blocks, landing slab, waist slab, portico slabs and beams, etc.	911.00	1 M ² (One square metre)	14576
c	30.00	M ²	For plane surfaces such as rectangular or square RCC columns, sunshades, top and bottom slab of RCC boxing, etc.	911.00	1 M ² (One square metre)	27330
7			RCC 1:1.5:3 mix using 20mm metal including cost and conveyance and all labour charges etc., complete as per standard specification			
a	28.00	M ³	In foundation and basement	8423.50	1 M ³ (One cubic metre)	235858
b	5.50	M ³	Above basement upto 4.50m height	8537.10	1 M ³ (One cubic metre)	46954
8	28.75	Qtl	Supplying, fabricating and placing in position Mild Steel / Ribbed Tor Steel grills for all RCC works as per design given including cost of steel and G.I. binding wire in all floors etc. complete complying with standard specification. (Contractor has to make his own arrangements for the supply of steel and binding wire)	8740.48	1 Qtl. (One quintal)	251289

Sl. No.	Quantity	Description	Rate in rupees	Unit in Figures and in words	Amount in rupees
9	4.68 M ²	Supplying and fixing (under lintel groove) cold rolled Rolling shutters of approved quality of 18 gauge 7.5 cm wide cold rolled lath section in one piece inter locked together with specially a specially designed pipe shaft with adequate number of high tensile steels wire springs of approved quality complete with brackets, side guides and arrangements for inside and outside locking with push and pull operations and pulling back handle with all accessories with best workmanship. The entire shutter painted with two coats of best quality anti-corrosive nut brown colour paint over one coat of red oxide primer and clear opening of 1.8m width and 2.60m height. The rolling shutter will be placed below the lintel and behind the RCC curtain slab 7.5cm thick and 45cm depth. Each rolling shutter shall be provided with one pair of approved quality of ball bearing etc., complete. Rolling shutter should be got approved by the Executive Engineer before fixing in position. (This specification consists of the following component materials required for erection of rolling shutter (1).18G 3" lath section, 1.90m long 29 nos (2).10 Guide channel 2.60m long - 2nos (3).13G Bottom plate for 1.80m long with angle. (4).M.S.Pipe 40mm dia C' Class - 2m Long. (5).10 SWG side plate 13" x 12" - 2 Nos. (6).2 SWG spring 3" bore. (7). 'U'- Clamp. (8). Ball bearing suitable for 2 1/2" pipe. (9).18 SWG clip suitable for 4 lath. (10).20 SWG M.S.sheet and (11) 20mm square rod 1m long. The above materials will be inspected by A.E.E. at site before assembling and erection of Rolling Shutter.	2171.00	1 M ² (One square metre)	10160
10	6.00 M ²	Supplying and fixing of steel AIR INLET Windows of size 0.60 x 0.60m using extruded angles (L-angle) around for frame with centre mullion (T-Type Angle) and shutter with the same L-Section properly fixed with hinges 2 Nos for each shutter. The FRP plain sheets to be fixed with Teak wood reapers and necessary locking arrangements including Weld mesh 25mm x 25mm x 10 gauge and welded with iron square bars of 10mm size - 3 Nos horizontally and 2 Nos Vertically welded together to form a grill and welding grill to the main frame with 4mm thick and 12mm wide MS flats. The rate is also inclusive of one coat of steel primer and Two coats of Aluminium paint and quality. The paint should be got approved by the Executive Engineer before use on work. 2 nos 20cm long stays for shutters etc., Complete. The shutters should open inside.	2845.00	1 M ² (One square metre)	17070

Sl. No.	Quantity	Description	Rate in rupees	Unit in Figures and in words	Amount in rupees	
11	8.00	M ²	'Supplying and fixing of steel N-Type VENTILATOR of size 1.20m x 0.60m using extruded angles(L-angle) for outer frame with centre mullion (T - Section) and Weld mesh 25mm x 25mm x 10 gauge and of 10mm size MS square bars horizontally one at top and one at bottom welded to the frames with necessary MS flats of size 20mm x 4mm thick and with necessary shutters made up of the same L / D section pivoted centrally so as to to N - type about,with necessary FRP plain sheets properly fixed with Teak wood fillets,MS hold fast 20cm long and necessary ring.The rates shall be inclusive of one coat of steel red oxide primer and Two coats of Aluminium paint and quality.The paint should be got approved by the Executive Engineer before use on work.	3670.00	Ls	29360
12	12.00	M ²	Paving the floor with fine polished cuddapah stone slab of 38 / 40mm thick laid over Cement Mortar 1:3 (One Cement and Three Sand) 20mm thick over the existing bed of Cement Concrete 1:5:10, (One Cement, Five Sand and Ten aggregate) and pointing the joints to full depth of slabs with same mortar mixed with black oxide and the top surface rendered smooth, curing, etc., The cuddapah stone slabs and other materials to be used shall be got approved by the Executive Engineer concerned before use on work, etc., complete complying with standard specification.	1177.40	1 M ² (One square metre)	14129
13	659.00	M ²	Plastering with Cement Mortar 1:5 (One cement and Five sand), 12mm thick in all floors including curing etc. complete complying with standard specification and as directed by the departmental officers.	240.26	1 M ² (One square metre)	158331
14	4.00	Nos	Manufacturing, supplying and fixing of Steel Door (Single Leaf) with following specification. MS angle of size 40 x 40 x 6mm at 3.5 kg/m used for outer frame and MS Angle of size 35 x 35 x 5mm at 2.6 Kg/m for the shutter frame. Stiffeners with 32 x 6mm at 1.5 Kg/m MS Flat is provided as the lock rail of the door and welded intact on both ends to the shutter frame. 18 gauge CR Sheets of best quality is laid as panel in the shutter frames. 18 x 5mm at 0.70 kg/m MS flat is welded over the 32 x 6mm at 1.50 kg./m MS Flat on the rear side of the door, sandwiching the CR Sheet for rigidity. Additional stiffeners with 18 x 5mm at 0.70 kg./m MS flats are provided diagonally on the rear side of the shutter. 300mm length of hinges 2 Nos, for shtter is provided. 6 Nos. of 250mm length hold fasts 200mm length specified at the ends are welded to the outer frame of the door.	5026.00	Nos	20104

Sl. No.	Quantity	Description	Rate in rupees	Unit in Figures and in words	Amount in rupees
15	3.00 Nos	Fabricating, supplying and fixing in position of Steel Windows (Two Leaves) with the following specifications. Outer frames of windows made of 'Z' section F7D of size 33 x 25 x 3mm at 1.419 kg./m and mullion 'J' section (F4B) of size 46 x 25 x 3mm at 2.28 kg./m and shutter section of made of F7D of 33 x 25 x 3mm at 1.419 kg./m as specified in IS 7452 / 1990. Each openable shutter should not exceed a width of 600mm to enable separate operations and easy maintenance. The panel of the shutters to be covered with 18 gauge cold rolled sheet of superior quality and welded intact with shutter frames. Horizontal stiffeners using 18 x 5mm MS Flat at 0.70 kg./m at 3 Nos. for each shutter and additional diagonal stiffners of the same MS flats at all the four corners of each shutters to the suitable length welded to the shutters, for holding the CR Sheets in position firmly. 2 numbers of sturdy hinges and one number of handle-cum-latch of special type made with 18 x 5mm MS flats are revetted to the shutters at an appropriate height in window.	3772.00	Nos	11316
16	26.46 M ³	Plain cement concrete 1:2:4 (One Cement, two sand and four broken stone jelly) using 20mm HBGS metal for wearing coat including laying, finishing, curing etc., complete complying with standard specification as directed by the departmental officers.	6326.09	1 M ³ (One cubic metre)	167388
17	4.00 Nos	Manufacturing, supplying and fixing in position of RCC Jally of 5cm thick in cement concrete 1:2:4 using 20mm machine crushed stone jelly (excluding cost of reinforcement steel) including cost of mould, finishing, curing, lifting, fixing in position etc., complete complying with standard specification and as directed	1000.00	LS	4000
18	282.00 M ²	Supplying and fixing AC sheet roofing with 6mm thick asbestos cement sheets of fully corrugated (grey colour) of approved quality by drilling holes (and not by punching) with necessary 'J' / 'U' bolts and nuts of 8mm dia of suitable length and providing one set of bitumen washers of 25mm dia and 1.60mm thick for each bolt including protruding portion of bolts in roof shall be covered with bitumen compound etc., complete complying with standard specification and as directed.	703.21	1 M ² (One square metre)	198305

Sl. No.	Quantity	Description	Rate in rupees	Unit in Figures and in words	Amount in rupees	
19		Supplying & fabricating, hoisting and fixing in position (as per drawing enclosed) pipe purlins of available length of the following structural steel pipe and welded with 8mm thick M.S. Plates, including cutting, drilling holes and welding and painting with Two coat of ISI approved quality of anticorrosive metallic nut brown colour paint over one coat of steel red oxide priming coat etc., complete. (The required pipe and structural steel members will be supplied at free of cost), complete with standard specification and as directed. The rate includes painting two coats of I class synthetic enamel paint over. The required pipes will be supplied by departmentally at site of work at free of cost.				
a	1143.00	kg	65mm dia M.S pipe purlin	106.50	kg	121730
b	601.00	kg	40mm dia M.S. Pipe purlin	106.50	kg	64007
20	588.00	kg	Supplying & fabricating and erecting in position of 4 Nos of tubular trusses of 9m span with 40mm dia. M.S. Pipe for principal rafters and bottom tie and with 25mm dia M.S pipe for all other member including cutting straightening, aligning chamfering ends welding and fixing with M.S. Plates 8mm thick at two sides for jointing with principal rafter bottom tie fixing the truss with 10mm base plate over anchor bolts 20mm size 450mm long and 250 x 150 x 8mm anchor plates etc., complete. The trusses will be manufactured as per drawings enclosed. The rate should include Two coats of anti - corrosive metallic nut brown colour paint over one coat of red oxide primer. All structural steel materials, bolts and nuts will be supplied by departmentally at site at free of cost.	106.50	kg	62622
21	462.00	kg	Supplying & fabrication and erection of 6 Nos Steel Stanchion 3m, height made up of 2 Nos. of 65mm dia M.S pipes with 12mm thick base plate 45 x 45cm. Size supported by 65x65x6mm angle over foundation bolts 25mm dia 4 Nos. and 10mm thick top plate 300mm x 300mm size supported by 50x50x6mm angle with bracing of 50x6mm flat at 50cm. Centre to centre including fixing base plate, top plate and welding the bracings to pipes including painting two coats of good quality I class synthetic enamel paint over one coat of red oxide primer etc., complete. All structural steel materials, bolts and nuts will be supplied by departmentally at site at free of cost.	106.50	kg	49203

Sl. No.	Quantity		Description	Rate in rupees	Unit in Figures and in words	Amount in rupees
22	249.00	M ²	White washing two coats with freshly burnt white shell lime in all floors including cost of lime, blue powder fevicol type gum, brushes, scaffolding charges, etc., complete complying with standard specification and as directed.	31.96	1 M ² (One square metre)	7958
23	337.72	M ²	Painting two coats of newly plastered wall surface with ready mixed plastic emulsion paint of first class quality and of approved colour over a priming coat including thorough scrapping, clean removal of dirt, and including necessary plaster of paris putty, wherever required etc., complete complying with standard specification.	222.66	1 M ² (One square metre)	75197
24	1.00	Nos	Supplying fabricating and fixing in position M.S Entrance gate of folloing size oftwo leavas with 400mm M.S pipe around and 15mm M.S pipe around and fixing vertically to the 40mm pipe fully welded 12 gauge B.P sheet and 300 m B.P sheet weleded horizontally with 40mm pipe both sided at middle of gate with necessary locking arrangements etc.,.		LS	26000
						2731457
25			Providing Electrification arrangements		L.S	80000
26			Provision for GST18%			485692
27			Provision for Citizen Information Board			1000
28			Provision for Photocharges		L.S	1000
29			Provision for unforeseen charges		L.S	851
Total						3300000

P.AMUDHA

PRINCIPAL SECRETARY TO GOVERNMENT

// TRUE COPY //

[Signature]
SECTION OFFICER
8/10/21

Annexure-VI

G.O (Ms).No.48, R.D & P.R (CGS-1) Dept., dated 29.03.2023

Estimate for Construction of Milk Producer's Co-operative Society Building under Mahatma Gandhi NREGS**Detailed Estimate****Estimate Amount : Rs.19,52,000****DETAILED - cum - ABSTRACT ESTIMATE**

Sl. No	Description	Nos.	L	B	D	Contents		
1	Earth work excavation for foundation in all soils and sub soils except hard rock requiring blasting etc. complete as per SS 20B Upto 0.30 m Depth							
	Column C1	1	3	1.50	1.50	0.30	2.03	
	Column C2	1	6	2.00	2.00	0.30	7.20	
	Loading dock columns	1	3	1.10	1.10	0.30	1.09	
	Grade Beam horizontal	1	4	8.51	0.40	0.30	4.08	
	Grade Beam vertical	1	3	7.97	0.40	0.30	2.87	
	Steps	1	1	1.20	1.50	0.10	0.18	
	DG set platform	1	1	4.54	0.23	0.2	0.21	
	Septic tank	1	1	2.50	3.5	0.30	0.75	
	Deductions							
	Col C1	1	-3	1.50	1.50	0.30	-2.03	
	Col C2	1	-6	2.00	2.00	0.30	-7.20	
	Total						9.18	
				Rate @	Rs.	268.19	2462	
1a	Earth work excavation for foundation in all soils and sub soils except hard rock requiring blasting etc. complete as per SS 20B -0.30 to 0.60m Depth							
	Column C1	1	3	1.50	1.50	0.30	2.03	
	Column C2	1	6	2.00	2.00	0.30	7.20	
	Loading dock columns	1	3	1.10	1.10	0.30	1.09	
	Grade Beam Long Wall	1	4	8.51	0.40	0.15	2.04	
	Grade Beam Short wall	1	3	7.97	0.40	0.15	1.43	
	Septic tank	1	1	2.50	3.5	0.30	0.75	
	Deductions							
	Col C1	1	-3	1.50	1.50	0.15	-1.01	
	Col C2	1	-6	2.00	2.00	0.15	-3.60	
	Total						9.93	
				Rate @	Rs.	331.07	3287	
1b	Earth work excavation for foundation in all soils and sub soils except hard rock requiring blasting etc. complete as per SS 20B							
	Column C1	1	3	1.50	1.50	0.90	6.08	
	Column C2	1	6	2.00	2.00	0.90	21.60	
	Loading dock columns	1	3	1.10	1.10	0.90	3.27	

Septic tank	1	1	2.50	3.5	1.40	3.50	
Total						34.44	
			Rate @	Rs.	343.85		11843
2 Sand Filling using Filling Sand including the cost and conveyance of all materials and labour charges for laying etc. complete as per standard specification.							
Column C1	1	3	1.50	1.50	0.15	1.01	
Column C2	1	6	2.00	2.00	0.15	3.60	
Loading dock columns	1	3	1.10	1.10	0.15	0.54	
Grade Beam Long Wall	1	4	8.51	0.40	0.10	1.36	
Grade Beam Short wall	1	3	7.97	0.40	0.10	0.96	
DG set platform	1	1	4.54	0.23	0.1	0.10	
Flooring in office room	1	1	3.05	6.54	0.15	2.99	
Flooring in BMC hall	1	1	5.00	6.54	0.15	4.91	
Flooring in DG set platform	1	1	1.27	1.54	0.15	0.29	
Flooring in loading dock	1	1	8.74	1.20	0.15	1.57	
Septic tank	1	1	2.50	3.5	0.10	0.25	
Deductions							
Col C1	1	-6	1.50	1.50	0.10	-1.35	
Col C2	1	-6	2.00	2.00	0.10	-2.4	
						13.84	
			Rate @	Rs.	1683.30		23302
3 Cement Concrete 1:4:8 using 40mm ISS HBG metal including cost and conveyance of all materials and labour charges for laying curing etc. complete as per standard specification.							
Column C1	1	3	1.50	1.50	0.15	1.01	
Column C2	1	6	2.00	2.00	0.15	3.60	
Loading dock columns	1	3	1.10	1.10	0.15	0.54	
Grade Beam Long Wall	1	4	8.51	0.40	0.10	1.36	
Grade Beam Short wall	1	3	7.97	0.40	0.10	0.96	
DG set platform	1	1	4.54	0.23	0.1	0.10	
Flooring in office room	1	1	3.05	6.54	0.10	1.99	
Flooring in BMC hall	1	1	5.00	6.54	0.10	3.27	
Flooring in DG set platform	1	1	1.50	2.00	0.10	0.30	
Flooring in loading dock	1	1	8.74	1.20	0.10	1.05	
Septic tank	1	1	2.50	3.5	0.10	0.25	
Steps	1	1	1.20	1.50	0.10	0.18	
Plinth protection	1	1	20.74	0.75	0.10	1.56	
Deductions							
Col C1	1	-6	1.50	1.50	0.10	-1.35	
Col C2	1	-6	2.00	2.00	0.10	-2.40	
						12.43	
			Rate @	Rs.	4959.34	/cum	61637

4 Cement Concrete 1:2:4 using 20mm ISS HBG metal including cost and conveyance of all materials and labour charges for laying curing etc. complete as per standard specification.							
Plinth protection	1	1	20.74	0.75	0.08	1.17	
						1.17	
			Rate @	Rs.	6326.09	/cum	7380
5 Filling the Basement with Excavated earth other than sand complying with standard specification etc. Complete.							
Office room	1	1	3.05	6.54	0.65	12.97	
BMC hall	1	1	5.00	6.54	0.65	21.26	
DG set platform	1	1	1.50	2.00	0.35	1.05	
loading dock	1	1	8.74	1.20	0.50	5.24	
						40.51	
			Rate @	Rs.	36.95		1497
6 Brick work in C.M 1:5 mix using country bricks including cost and conveyance and all labour charges etc., complete complying with standard specification.							
For G.F upto Basement							
Longer side	1	3	8.51	0.23	0.90	5.28	
Shorter side	1	3	6.77	0.23	0.90	4.20	
Loading dock	1	1	10.91	0.23	0.75	1.88	
DG set platform	1	1	4.54	0.23	0.6	0.63	
Septic Tank around	1	1	12.92	0.23	1.80	5.35	
						17.35	
			Rate @	Rs.	5696.65		98815
For super Structure :							
Horizontal wall	1	2	8.51	0.23	3.35	13.11	
Vertical wall	1	3	6.77	0.23	3.35	15.65	
Cross wall toilet	1	1	2.82	0.115	3.35	1.08	
Parapet Wall around	1	1	32.96	0.23	0.45	3.41	
Add Steps	1	1	1.20	1.5	0.15	0.27	
	1	1	1.20	1.2	0.15	0.22	
	1	1	1.20	0.9	0.15	0.16	
	1	1	1.20	0.6	0.15	0.11	
	1	1	1.20	0.3	0.15	0.05	
Compressor bed	1	1	5.00	0.23	1.00	1.15	
Ded : Door D	1	-1	0.90	0.23	2.10	-0.43	
RS	1	-1	3.00	0.23	3.00	-2.07	
Door D1	1	-1	0.75	0.23	2.10	-0.36	
Window W	1	-4	1.20	0.23	1.30	-1.44	
Ventilator V	1	-2	1.50	0.23	1.80	-1.24	
Ventilator V1	1	-1	0.60	0.23	0.30	-0.04	
Lintel Beam Long Beam	1	-2	8.51	0.23	0.23	-0.90	
Lintel Beam Short Beam	1	-2	6.77	0.23	0.23	-0.72	
Lintel Beam toilet	1	-1	2.82	0.115	0.23	-0.07	
Sill slab	1	-4	1.70	0.23	0.08	-0.12	
Roof Beam Long wall	1	-3	8.51	0.23	0.45	-2.64	
Roof Beam Short wall	1	-3	6.77	0.23	0.45	-2.10	
						23.08	
			Rate @	Rs.	5771.45		133206

7	Supply and fabrication and placing in position M.S. or R.T Steel for all reinforced cement concrete work as per type design given including cost of steel and binding wire in all floors etc., complying with standard specification. (MS rods or RTs bar will							
	LS			3.50	MT			
				Rate @	Rs.	87400.75	305903	
8	Reinforced cement concrete 1:1.5:3 mix (one cement two sand and four broken stone) using 20 mm gauge machine broken hard granite stone jolly for all R.C.C. items of works excluding cost of reinforcement and fabricating charges including centering and stru							
	Column C1	1	3	1.50	1.50	0.15	1.01	
	Coping of col C1	1	3		2.79	0.10	0.84	
	Column C2	1	6	2.00	2.00	0.15	3.60	
	Coping of col C2	1	6		4.69	0.10	2.81	
	Loading dock	1	3	0.90	0.90	0.15	0.36	
	Coping	1	3		1.13	0.10	0.34	
	Column below basement C1	1	3	0.30	0.30	0.90	0.24	
	Column below basement C2	1	6	0.30	0.30	0.90	0.49	
	Loading dock columns	1	3	0.23	0.23	0.75	0.12	
							9.82	
				Rate @	Rs.	8423.50	82677	
	Column above basement C1	1	3	0.30	0.30	3.35	0.90	
	Column above basement C2	1	6	0.30	0.30	3.35	1.81	
	Grade Beam Long Wall	1	4	8.51	0.34	0.30	3.47	
	Grade Beam Short wall	1	3	7.97	0.34	0.30	2.44	
	Lintel Beam: Long Wall	1	2	8.51	0.23	0.23	0.90	
	Short wall	1	2	6.77	0.23	0.23	0.72	
	Cross wall Toilet (CW1)	1	1	2.82	0.12	0.23	0.07	
	Sill slab	1	4	1.70	0.23	0.08	0.12	
	Front slab	1	1	8.74	1.20	0.13	1.31	
	Window WSunshade	1	4	1.66	0.60	0.06	0.24	
	Roof Beam Long Wall	1	4	8.51	0.23	0.45	3.52	
	Roof Beam Short Wall	1	3	7.97	0.23	0.45	2.47	
	Roof slab	1	1	3.05	6.54	0.125	2.49	
	Roof slab	1	1	5	6.54	0.125	4.09	
	Septic tank slab	1	1	2.96	3.96	0.125	1.47	
	Ded Manhole	1	-1	0.60	0.6	0.125	-0.05	
							25.98	
				Rate @	Rs.	8537.10	221809	
9	Fabrication and supply opf M.S. door of following sizes with single / double leaf outer frame made of 35 X 35 X 5 mm equal MSL angle and shutter frame made of 25 X 25 X 2 mm equal MSL angle for horizontal and vertical members and shutter frame strength							
	Steel Door	1	1	0.90		2.10	5850	
							5850	
10	Fabrication and supply of M.S. Window of following sizes with outer frame made of 35 X 35 X 5 mm equal MSL angle and shutter frame made of 25 X 25 X 2 mm equal MSL angle for horizontal and vertical members and shutter frame strength and by stiffeners of 2							
	Window W	1	4	1.20		1.30	5765	
							23060	
11	Supply of steel Ventilator including cost and conveyance of all materials & Labour charges etc.,							

	Steel Ventilator V	1	2	1.50		1.80	1180	2360
	Steel Ventilator	1	1	0.60		0.30	1180	1180
12	Paving the Floor with designed ceramic tiles size 305x305x6mm in CM 1:3 20mm thick							
	Office room	1	1	3.05	6.54			19.95
	BMC hall	1	1	5.00	6.54			32.70
	Ded WC	1	-1	0.45	0.45			-0.20
								52.44
				Rate @	Rs.		987.68	51798
13	Weathering course concrete using 20mm size broken brick jelly with in pure slaked lime over the RCC Roof in the proportion of 32 : 12 1/2 by volume laid in layer beating the concrete with the wooden batters etc as per standard specifications							
	Over Roof slab	1	1	8.28	7.74	0.075		4.81
								4.81
				Rate @	Rs.		3741.47	17984
14	Finishing the top of roof with one course of pressed tiles of size 20 X 20 X 2 mm laid in CM 1:3 12 mm thick mixes with W.P. compound laid 2 % weight of cement etc., complete.							
	OverRoof slab in W.C.	1	1	8.28	7.74			64.09
								64.09
				Rate @	Rs.		1151.26	73781
15	Plastering with cement mortar 1:5 to 12 mm thick including cost and conveyance of all and labour charges on complete.							
	Mainwall outer aloud	1	1	33.88	-	4.70		159.24
	Office room	1	1	19.18	-	3.23		61.86
	BMC hall	1	1	23.08	-	3.23		74.43
	Toilet CW	1	2	2.70	-	3.23		17.42
	DG set platform	1	1	5.00	-	0.60		3.00
	Loading dock	1	1	11.14	-	0.75		8.36
	Parapet top	1	1	32.96	-	0.23		7.58
	Parapet inner	1	1	32.73	-	0.60		19.64
	Septic tank	1	1	12.00	-	1.80		21.60
	Steps add extra					0.25		0.18
	Add Door D soffits	1	1	5.10	-	0.15		0.77
	Add Door D1 soffits	1	1	4.95	-	0.10		0.50
	Add Window W soffits	1	4	5.00	-	0.15		3.00
	Add V soffits	1	2	6.60	-	0.15		1.98
	Add V1 soffits	1	1	1.80	-	0.15		0.27
	Deduct :Door D	-2	1	0.90	-	2.10		-3.78
	Door1	-2	1	0.75	-	2.10		-3.15
	Window W	-2	4	1.20	-	1.30		-12.48
	Ventilator V	-2	2	1.50	-	1.80		-10.80
	Ventilator V1	-2	1	0.60	-	0.30		-0.36
	RS	-2	1	3.00	-	3.00		-18.00
								331.23
				Rate @	Rs.		240.26	79581

16	Dadoing with white glazed tiles for approved quality of tiles including cost and labour charges etc., complete							
	BMC Hall	1	1	23.080	-	0.80	18.46	
	Deduct RS	-1	1	3.000	-	0.80	-2.40	
	Toilet	1	1	5.400	-	2.10	11.34	
	Deduct door	-1	1	0.750	-	2.10	-1.58	
							25.82	M²
				Rate @	Rs.	1245.15		32150
17	Supplying and painting the walls with two coats of oil bound distemper over one coat of water based cement primer including cost for distemper, primer, cleaning and scrapping the walls, rendering the walls smooth with necessary putty, brushes, scaffoldin							
	Ceiling- Office room	1	1	3.05		6.54	19.95	
	BMC hall	1	1	5.00		6.54	32.70	
	Loading dock	1	1	8.74		1.20	10.49	
	Roof Beam Long Wall	1	1	8.28		0.88	7.29	
	Roof Beam Short Wall	1	1	6.54		0.23	1.50	
	Inner-Office room	1	1	19.18	-	3.23	61.86	
	BMC hall	1	1	23.08	-	3.23	74.43	
	Toilet CW	1	2	2.70	-	3.23	17.42	
	Add Door D soffits	1	1	5.10	-	0.15	0.77	
	Add Door D1 soffits	1	1	4.95	-	0.10	0.50	
	Add Window W soffits	1	4	5.00	-	0.15	3.00	
	Add V soffits	1	2	6.60	-	0.15	1.98	
	Add V1 soffits	1	1	1.80	-	0.15	0.27	
	Add Sunshade bottom	1	1	8.74	1.20	-	10.49	
	Window W Sunshade bottom	1	4	1.66	0.60		3.98	
	Deduct :Door D	-1	1	0.90	-	2.10	-1.89	
	Door1	-2	1	0.75	-	2.10	-3.15	
	Window W	-1	4	1.20	-	1.30	-6.24	
	Ventilator V	-1	2	1.50	-	1.80	-5.40	
	Ventilator V1	-1	1	0.60	-	0.30	-0.18	
	RS	-1	1	3.00	-	3.00	-9.00	
	Dadoing area						-25.82	
							194.93	
				Rate @	Rs.	170.02		33142
18	Painting two coats of newly plastered wall surface with ready mixed plastic emulsion paint of first class quality and of approved colour over a priming coat including thorough scrapping, clean removal of dirt, and including necessary plaster of paris putt							
	Mainwall outer aloud	1	1	33.88	-	4.70	159.24	
	DG set platform	1	1	5.00	-	0.60	3.00	
	Loading dock	1	1	11.14	-	0.75	8.36	
	Parapet top	1	1	-0.92	-	0.23	-0.21	
	Parapet inner	1	1	-1.15	-	0.60	-0.69	
	Add Sunshade bottom	1	1	8.74	1.20	-	10.49	

	Window W Sunshade bottom	1	4	1.66	0.60		3.98	
	Sunshade sides	1	1	11.14		0.0625	0.70	
	Sunshade sides	1	4	2.86		0.0625	0.72	
	Deduct : Door D	-1	1	0.90	-	2.10	-1.89	
	Door 1	-2	1	0.75	-	2.10	-3.15	
	Window W	-1	4	1.20	-	1.30	-6.24	
	Ventilator V	-1	2	1.50	-	1.80	-5.40	
	Ventilator V1	-1	1	0.60	-	0.30	-0.18	
	RS	-1	1	3.00	-	3.00	-9.00	
							159.71	
				Rate @	Rs.	222.66		35561
19	Painting two coats of New Iron using best approved ready mixed enamel paint of approved colour over the existing priming coat etc., complete.							
	Door	1	1	0.90		2.10	1.89	
	Window W	1	4	1.20		1.30	1.56	
	Ventilator V	1	2	1.50		1.80	2.70	
	Ventilator V1	1	1	0.60		0.30	0.18	
							6.33	
				Rate @	Rs.	133.79		847
20	Supply of Indian water closet white glazed earthen ware of improved quality with foot rest & "P" trap and specials for connecting etc., complete.							
	Cost and Fixing Labour charges	1	1				1 Nos.	5003
21	Special Ceiling plastering with CM 1:3 - 10 mm thick for R.C.C exposed surface for ceiling, sunshade etc, complete							
	Ceiling- Office room	1	1	3.05		6.54	19.95	
	BMC hall	1	1	5.00		6.54	32.70	
	Loading dock	1	1	8.74		1.20	10.49	
	Roof Beam Long Wall	1	1	8.28		0.88	7.29	
	Roof Beam Short Wall	1	1	6.54		0.23	1.50	
							71.93	
				Rate @	Rs.	262.49		18880
22	Supply and erecting centering for sides and soffits including supports and structing for plain surface in all floors with all cross brassites using country wood planks of 40mm thick upto 30 cm and country wood scantlings upto 4 m length for beading and							
	For Column, Lintel, Roof slab							
	col C1	1	3	5.20		0.15	2.34	
	col C2	1	6	7.20		0.15	6.48	
	Col loading dock	1	3	3.60		0.15	1.62	
	Column below basement C1	1	3	1.20		0.90	3.24	
	Column below basement C2	1	6	1.20		0.90	6.48	
	Col loading dock	1	3	0.92		0.90	2.48	
							22.64	
				Rate @	Rs.	455.00		10301
	Column above basement C1	1	3	1.20		3.35	12.06	
	Column above basement C2	1	6	1.20		3.35	24.12	
	Grade Beam Long Wall sides	2	3	8.51		0.30	15.32	
	Grade Beam Short wall sides	2	3	7.97		0.30	14.35	
	Lintel Beam: Long Wall	2	2	8.51		0.23	7.83	
	Short wall	2	2	7.97		0.23	7.33	
	Cross wall Toilet (CW1)	2	1	2.82		0.23	1.29	
	Front Sunshade bottom	1	1	8.74	1.20		10.49	
	Front Sunshade sides	1	1	11.14		0.13	1.39	

Window W Sunshade bottom	1	4	1.66	0.60		3.98	
Window W Sunshade sides	1	4	2.86		0.06	0.72	
Roof Beam Long Wall	2	3	8.51		0.33	16.59	
Roof Beam Short Wall	2	3	7.97		0.33	15.54	
Roof slab bottom	1	1	3.05	6.54		19.95	
	1	1	5	6.54		32.70	
	1	1	8.74	1.2		10.49	
Roof slab sides	1	1	33.88		0.125	4.24	
Lintel Over Door D Bottom	1	1	0.90	0.23		0.21	
Lintel Over Door D1 Bottom	1	1	0.75	0.115		0.09	
Lintel Over Window Bottom	1	4	1.20	0.23		1.10	
V	1	2	1.50	0.23		0.69	
V1	1	1	0.60	0.23		0.14	
Septic tank slab	1	1	2.50	3.5		8.75	
Septic tank slab sides	1	1	13.84		0.1	1.38	
Ded Manhole	1	-1	0.60	0.6		-0.36	
						210.39	
			Rate @	Rs.		911.00	191665
Provision for Rolling shutter 3.0mx3.0m							
	1	1	3.00	3		9.00	
			Rate @	Rs.		2396.00	21564
23	Supplying and fixing of 110mm dia PVC pipe for rainwater down fall pipe including cost and labour charges etc., complete.						
	1	1	8.000		4.70	37.60	
	Side					37.60	RM
			Rate @	Rs.		568.11	21361
24	Provision For Electrification					LS	50000
25	Provision For Watersupply and sanitary arrangement					LS	20000
26	Provision of RWH					LS	5000
27	Provision for Citizen Information Board					LS	1000
28	Provision for GST(18%)					LS	294713
29	Provision for Photo Charges					LS	500
30	Provision for Contingencies					LS	902
						Total	1952000

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SECTION OFFICER
GAYT

Annexure-VII

G.O.(Ms).No.48, R.D & P.R (CGS-1) Dept., dated 29.03.2023

Estimate for Construction of 1.5m span RCC Slab Culvert
under Mahatma Gandhi NREGS

		Estimate Cost	Rs.	625000
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Abstract Estimate

Sl. No.	Description of Work	Quantity	Rate	Per	Amount
1	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of side, etc., as per standard specification				
a	1 I Depth	12.29	268.19	Cu.m	3296
	1 II Depth	12.29	331.07	Cu.m	4069
	1 III Depth	24.56	343.85	Cu.m	8445
2	Cement concrete 1 : 4 : 8 mix using 40mm HBG metal for foundation including watering , centering and shuttering wherever necessary and laid in layers of not more than 15cm thick., compacting etc., complete complying with standard specifications and as directed.				
a	1	6.14	4959.34	Cu.m	30450
3	Cement concrete 1 : 3 : 6 mix using 40mm HBG metal for foundation including watering, centering and shuttering wherever necessary and laid in layers of not more than 15cm thick., compacting etc., complete complying with standard specifications and as directed .				
a	1	62.929	5291.02	Cu.m	332959
4	Cement concrete 1 : 2 : 4 mix using 20mm HBG metal for foundation including watering wherever necessary and laid in layers of not more than 15cm thick., compacting etc., complete complying with standard specifications and as directed.				
a	1	3.36	6326.09	Cu.m	21256
5	Reinforced Cement concrete 1:1.5:3 using 20mm ISS HBG metal for all RCC item of works excluding cost of Reinforcement and fabricating charges, centering and shuttering but including curing and shall be finished smooth with cement mortar 1:3, 12mm thick. Etc., complete as per standard specification				
a	1	3.31	8423.50	Cu.m	27882
6	Supplying and erecting centering for sides and soffits etc., as per standard specifications				
a	1 Deck slab	12.13	911.00	Sq.m	11050
b	1 Abutment, return wall, bed block and dirt wall	103.18	455.50	Sq.m	46998
7	Supplying and Fabricating and placing in position MS steel or Ribbed Tor Steel for all Reinforced Cement Concrete works as per the design given including cost of steel and binding wire in all floors etc, Complete complying with standard specification.				

Sl. No.	Description of Work	Quantity	Rate	Per	Amount
a	1	0.35	87400.75	MT	30590
8	Providing and fixing 20mm thick compressible fibre board for expansion joint Between Dirtwall & Deck slab				
a	1	15	195.60	Rm	2934
9	Providing and fixing Tar Paper for bearing Between Bed Block & Deck slab				
a	1	4.5	100	Sq.m	450
10	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia AC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing, etc., as per standard specifications				
a	1	12	177.50	Rm	2130
11	Gravel filling between body wall including cost and conveyance of gravel, labour for filling, watering and compacting etc complete complying with standard specification and as directed by the departmental officer.				
a	1	10.45	472.05	Cu.m	4933
12	Provision for Citizen Information board				4500
13	L.S. Provision for GST 18%				92094
14	L.S. Provision for photo charges				700
15	L.S. Provision for Contingencies and other unforeseen items				264
				Total Rs.	625000

P.AMUDHA
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SECTION OFFICER
8/10/21

Annexure VIII

G.O.(Ms).No.48, R.D & P.R (CGS-1) Dept., dated 29.03.2023

Estimate for Construction of 3m span RCC Slab Culvert
under Mahatma Gandhi NREGS

		Estimate Cost	Rs.	1015000	
Abstract Estimate					
Sl. No.	Description of Work	Quantity	Rate	Per	Amount (In Rs.)
1	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of side, etc., as per standard specification				
a	1	19.41	268.19	Cu.m	5206
	1	19.41	331.07	Cu.m	6426
	1	64.69	343.85	Cu.m	22244
2	Supplying and Filling foundation and basement with filling sand in layers not more than 15cm . Thick well ramed, watered and compacted Complete complying with standard specification.				
a	1	6.47	1683.30	Cu.m	10891
3	Cement concrete 1 : 4 : 8 mix using 40mm HBG metal for foundation including watering , centering and shuttering wherever necessary and laid in layers of not more than 15cm thick., compacting etc., complete complying with standard specifications and as directed.				
a	1	9.71	4959.34	Cu.m	48155
4	Cement concrete 1 : 3 : 6 mix using 40mm HBG metal for foundation including watering, centering and shuttering wherever necessary and laid in layers of not more than 15cm thick., compacting etc., complete complying with standard specifications and as directed .				
	1	57.36	5291.02	Cu.m	303493
	1	34.69	5291.02	Cu.m	183545
5	Cement concrete 1 : 2 : 4 mix using 20mm HBG metal for foundation including watering wherever necessary and laid in layers of not more than 15cm thick., compacting etc., complete complying with standard specifications and as directed.				
a	1	3.9	6326.09	Cu.m	24672
6	Cement concrete 1:1.5:3 using 20mm ISS HBG metal for all RCC item of works excluding cost of Reinforcement and fabricating charges, centering and shuttering but including curing and shall be finished smooth with cement mortar 1:3, 12mm thick. Etc., complete as per standard specification				
a	1	8.1	8423.50	Cu.m	68230

7		Supplying and erecting centering for sides and soffits etc., as per standard specifications				
a	1	Deck slab	24.66	911.00	Sq.m	22465
b	1	Abutment, return wall, bed block and dirt wall	171.2	455.50	Sq.m	77982
8		Supplying and Fabricating and placing in position MS steel or Ribbed Tor Steel for all Reinforced Cement Concrete works as per the design given including cost of steel and binding wire in all floors etc, Complete complying with standard specification.				
a	1		0.88	87400.75	MT	76913
9		Providing and fixing 20mm Bitumen felt for expansion joint Between Dirtwall & Deck slab				
a	1		15	195.6	Rm	2934
10		Providing Tar paper				
a	1		4.5	100.00	Sq.m	450
11		Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia AC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing, etc., as per standard specifications				
a	1		12	177.50	Rm	2130
12		Collection and supply of gritty gravel from appd quarry including cost and conveyance of all materials to site including all labour charges for filling etc.complete,				
a	1		10.45	472.05	Cu.m	4933
13		Provision for Citizen Information board				4500
14	L.S.	Provision for GST 18%				148823
15	L.S.	Provision for photo charges				700
16	L.S.	Provision for Contingencies and other unforeseen items				308
					Total Rs.	1015000

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SECTION OFFICER
6/2/21

Annexure-IX

G.O.(Ms).No.48, R.D & P.R (CGS-1) Dept., dated 29.03.2023

Estimate for Construction of Minor Bridge under Mahatma Gandhi NREGS

Estimate Rs. 4137000

ABSTRACT ESTIMATE

Sl. No	Quantity	Units	Item Description	Rate	Units	Amount
1			Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of side, etc., as per standard specification			
	35.30	cum		268.19	cum	9467
	35.30	cum		331.07	cum	11687
	247.10	cum		343.85	cum	84965
2			Supplying and Filling foundation and basement with filling sand in layers not more than 15cm . Thick well ramed, watered and compacted Complete complying with standard specification.			
	12	cum		1683.30	cum	20200
3			Cement concrete 1 : 4 : 8 mix using 40mm HBG metal for foundation including watering , centering and shuttering wherever necessary and laid in layers of not more than 15cm thick., compacting etc., complete complying with standard specifications and as directed.			
	24	cum		4959.34	cum	119024
4			Cement concrete 1 : 3 : 6 mix using 40mm HBG metal for foundation including watering wherever necessary and laid in layers of not more than 15cm thick., compacting etc., complete complying with standard specifications and as directed For Footings as 4% R			
	154	cum		5291.02	cum	814817
5			Cement concrete 1 : 3 : 6 mix using 40mm HBG metal for foundation including watering wherever necessary and laid in layers of not more than 15cm thick., compacting etc., complete complying with standard specifications and as directed For Footings as 4% R			
	89	cum		5291.02	cum	470901
6			Reinforced Cement concrete 1:1.5:3 using 20mm ISS HBG metal for all RCC item of works excluding cost of Reinforcement and fabricating charges, centering and shuttering but including curing and shall be finished smooth with cement mortar 1:3, 12mm thick etc., as per standard specifications for below base			
	6	cum		8423.50	cum	50541

7		Providing and fixing seepage pipes of 100mm dia. PVC pipes of required lengths for abutments and wings including cost and conveyance of all materials to work site, cost and labour for 900mm dia. semi-spherical back fill arrangements with 100mm size broken			
	52 Nos		177.50		9230
8		Providing and fixing KRAFT PAPER for full width of seating of deck slab and including cost and conveyance to worksite, labour for fixing the same in correct position and all other incidental charges etc., complete.			
	14 sq.m		100	sq.m	1400
9		Cement concrete 1:1.5:3 using 20mm ISS HBG metal for all RCC item of works excluding cost of Reinforcement and fabricating charges, centering and shuttering but including curing and shall be finished smooth with cement mortar 1:3, 12mm thick etc., as per standard specifications			
	66 cum		8423.50	cum	555951
10		Filling behind Abutments and Wings with clean gritty gravel including cost and conveyance of gravel to worksite, laying, handling charges and filling in layers, tamping under optimum moisture content to get the maximum density including watering, with all leads for water and all other incidental charges etc, complete for FILLING BEHIND THE ABUTMENTS AND WINGS.			
	108 cum		472.05	cum	50981
11		Providing and fixing PVC EXPANSION JOINT in between deck slabs over abutment and pier as shown in the drawing including cost and conveyance of expansion joints including shalimar pad and joint sealant etc, complete.			
	3 Set		5000	Set	15000
12		Supply and fabrication of S-415 steel required for all RCC items of works involved in the schedule cost of steel at site fabrication,labour charges for cleaning the rods straightening, cutting, bending, tying grills, including overlapping to the required length whenever necessary and placing the reinforcement in position as specified in the drawings, including cost of binding wire, provision of spacer bars, cover blocks and all other incidental charges etc,complete, S-415 grade			
	3.49 MT		87400.75	MT	305029

13		Providing and laying cement concrete wearing course M 30 grade as per drawing and technical specifications Clauses 800 and 1206.3 including all cost and conveyance of materials from approved sources to worksite including cost of cement which will be supplied by the department at the rate and place as specified in the special conditions appended including handling charges for the same cost of form work whenever necessary baling out water labour charges for mixing concrete laying compacting curing with all leads for good water including hire and fuel charges for all T&P employed and all other incidental charges etc.			
	93	sq.m		5976.85	sq.m 555847
14		Cement concrete 1 : 3 : 6 mix using 40mm HBG metal for foundation including watering wherever necessary and laid in layers of not more than 15cm thick., compacting etc., complete complying with standard specifications and as directed For Footings as 4% R			
	7	cum		5291.02	cum 37037
15		Supplying and erecting centering for sides and soffits, etc., as per standard specification			
	118.82	cum		455.50	cum 54124
	384.84	cum		911.00	cum 350586
16		Provision for Citizen Information Board			4500
17		Provision for GST 18%		L.S.	613920
18		Provision for photo charges		L.S.	700
19		Provision for Contingencies and other unforeseen items		L.S.	1093
				Total	Rs. 4137000

P.AMUDHA
PRINCIPAL SECRETARY TO GOVERNMENT

// TRUE COPY //

[Handwritten Signature]
SECTION OFFICER
6/11/21