

Revamping of Material Recovery Facility (MRF) including installation of Machinery and construction of Compost Plant in Municipal Areas of Korba, Chhattisgarh

OFFICE OF THE NAGAR NIGAM KORBA
CHHATTISGARH

NOTICE INVITING TENDER

Main Portal: <https://eproc.cgstate.gov.in>

SYSTEM TENDER NO. 179579 (2nd Call)

NIT NO: 322/Kosabadi/2025

Dated 14/11/2025

Online tender are invited by the Commissioner, Korba for the following work in Form "A" for **PERCENTAGE RATE TENDER AND CONTRACT FOR WORKS** from the contractors registered with Unified Registration System (Single Window) on GoCG PWD & e-Procurement System Portal (<https://eproc.cgstate.gov.in>) as per the 'key Dates' mentioned below. All other conditions for submission of tenders and criteria for prequalification etc. have been mentioned in the tender documents.

Sr. No	Name of Work	Revamping of Material Recovery Facility (MRF) including installation of Machinery and construction of Compost Plant in Municipal Areas of Korba, Chhattisgarh
1	Probable Amount of Contract	Rs 878.93 Lakhs
2	Method of Selection	Least cost selection method will be used: The Contractor quoted least cost in the financial offer will be declared as successful Bidder.
3	Earnest Money (EMD)	Rs 4.39 Lakhs in form of TDR/FDR in favour of Commissioner, Korba. Note: - The EMD should be valid for at least 12 months from the Bid due Date & shall be in auto-renewal mode. EMD will be returned to unsuccessful bidders after the award of contract. For the successful bidder, the EMD shall only be released upon submission of Performance Guarantee as per tender documents.
4	Time allowed for completion (including rainy season)	• Construction Period – 06 months (from the date of issuing of Work Order) including rainy season. • Trial run – 03 months.
5	Cost of Tender document fee	Rs. 10000/- (Rupees Ten Thousand only) in the form of DD in favour of COMMISSIONER, Korba.
6	Validity of offer	120 days from the last date of submission of bid.
7	Class of Contractor	In Class B or above registered with Unified Registration System (Single Window) on GoCG PWD.
8	Joint Venture	Not Allowed
9	Pre-Bid Meeting	A Prebid meeting in context of this project shall be held in the office of Commissioner, Korba (as per tender Notice) / Online as per the details provided in detailed tender document.

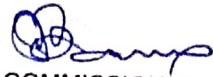
For further clarifications regarding Digital signature, The Bidders may contact M/s Mjunction Service Ltd., on helpdesk Toll free number 1800 419 9140 or through Email ID pro-chips@gov.in they may

Revamping of Material Recovery Facility (MRF) including installation of Machinery and construction of Compost Plant in Municipal Areas of Korba, Chhattisgarh
contact to Mr. Shailesh Kumar Soni, Sr. Manager, Chhattisgarh Infotech Promotion Society (CHIPS)
on Tel. No. 0771-4014158.

The tender documents containing detailed terms & conditions are available for free download on GoCG e-Procurement portal <http://eproc.cgstate.gov.in> through sub portal of Urban Administration & Development Department <http://uad.cg.gov.in> Bidders have to quote online their prices along with Technical and Commercial bids in prescribed formats on the above mentioned portal only.

The Bidders intending to participate in this Tender are required to get enrolled on the above-mentioned website and get empaneled on the Sub-Portal of Urban Administration & Development Department. Enrolment on the above-mentioned Portal is mandatory. As the online Bids are required to be digitally signed, Bidders are required to obtain Class – II Digital Signature Certificates (DSCs).

The Bidders are also invited to get themselves trained on the operations of the e-Procurement System. Bidders may get in touch with the Service Provider of the e-Procurement System for confirming the time and date for their training session.


COMMISSIONER,
Municipal Corporation
Korba (C.G.)

प्रतिलिपि –

1. प्रोग्रामर, संचालनालय, नगरीय प्रशासन एवं विकास विभाग, रायपुर को uad.cg.gov.in में अपलोड करने हेतु प्रेषित।

Revamping of Material Recovery Facility (MRF) including installation of Machinery and construction of Compost Plant in Municipal Areas of Korba, Chhattisgarh

SYSTEM TENDER No. 179579 (2nd Call)

NIT No. / 322/Kosabadi / SBM-U 2.0 / 2025-26 Korba,

Dated 14/11/2025

Key Dates

Task	Date	Time
Bid Start Date	14/11/2025	17:00
Last date for submission of Prebid queries Email: corporationkorba@gmail.com		
Prebid Meeting Link - meet.google.com/fvz-zntz-ttr		
Bid Due Date	28/11/2025	17:30
Physical Doc Submission End Date	02/12/2025	16:00
Bid Open Date (Scheduled)	02/12/2025	17:00



COMMISSIONER,
Municipal Corporation
Korba (C.G.)

**Cost Estimate For
Solid Waste Management At
Nagar Nigam Korba (C.G.)**

A	Tulsi Nagar, Ward No. - 2	
	COST OF SLRM CENTRE	
	Part - I SOR ITEM	
	CIVIL WORK	
1	Extension of Area For Baled & Recyclable Material	1217262.24
2	Wet Waste Tipping Shed	348271.89
3	External C.C. Flooring	246510.00
4	SLRM Revamping Work	444869.16
5	Rain Water Harvesting	32001.00
6	Plumbing & Sanitary Work	47635.00
	Total I	2336549.29
	Part - III NON-SOR ITEM	
7	Fatka Machine	180000.00
8	Conveyor Belt	155000.00
9	HDPE Wheel Container (10 Nos.)	13750.00
10	Weigh Bridge	225000.00
11	Bale Trolley (03 Nos.)	20400.00
12	Surveillance Camera	17813.00
13	Turbine Ventilator	15000.00
	Total	626963.00
	Total -II	626963.00
	Total Of Part (I+II)	2963512.29
B	Minimata Ward No. - 25	
	COST OF SLRM CENTRE	
	Part - I SOR ITEM	
	CIVIL WORK	
1	Shed Extension For Baling & Fatka Machine	289279.00
2	Shed Extension For Baled & Recyclable Material	276322.00
3	Wet Waste Tipping Shed	166839.36
4	SLRM Revamping Work	631867.56
5	Rain Water Harvesting	32001.00
6	Plumbing & Sanitary Work	47635.00
	Total I	1443943.92

	Part - III NON-SOR ITEM	
6	Baling Machine	450000.00
7	Fatka Machine	180000.00
8	Conveyor Belt	155000.00
9	HDPE Wheel Container (10 Nos.)	13750.00
10	Weigh Bridge	225000.00
11	Bale Trolley (03 Nos.)	20400.00
12	Surveillance Camera	17813.00
13	Turbine Ventilator	15000.00
	Total	1076963.00
	Total -II	1076963.00
	Total Of Part (I+II)	2520906.92
C	Aramasheen, Ward No. - 20	
	COST OF SLRM CENTRE	
	Part - I SOR ITEM	
	CIVIL WORK	
1	Extension of Area For Baled & Recyclable Material	580808.00
2	Wet Waste Tipping Shed	348271.89
3	SLRM Revamping Work	713836.66
4	Rain Water Harvesting	32001.00
5	Plumbing & Sanitary Work	47635.00
	Total I	1722552.55
	Part - III NON-SOR ITEM	
6	Baling Machine	450000.00
7	Fatka Machine	180000.00
8	Conveyor Belt	155000.00
9	HDPE Wheel Container (10 Nos.)	13750.00
10	Weigh Bridge	225000.00
11	Bale Trolley (03 Nos.)	20400.00
12	Surveillance Camera	17813.00
13	Turbine Ventilator	15000.00
	Total	1076963.00
	Total -II	1076963.00
	Total Of Part (I+II)	2799515.55

D	Manikpur, Ward No. - 30	
	COST OF SLRM CENTRE	
	Part - I SOR ITEM	
	CIVIL WORK	
1	Shed Extension For Baled & Recyclable Material	303535.00
2	Wet Waste Tipping Shed	166839.36
3	SLRM Revamping Work	652185.96
4	Rain Water Harvesting	32001.00
5	Plumbing & Sanitary Work	47635.00
6	Electrical & Repairing Work	49020.00
	Total I	1251216.32
	Part - III NON-SOR ITEM	
7	Baling Machine	450000.00
8	Fatka Machine	180000.00
9	Conveyor Belt	155000.00
10	HDPE Wheel Container (10 Nos.)	13750.00
11	Weigh Bridge	225000.00
12	Bale Trolley (03 Nos.)	20400.00
13	Surveillance Camera	17813.00
14	Turbine Ventilator	15000.00
	Total	1076963.00
	Total -II	1076963.00
	Total Of Part (I+II)	2328179.32
E	Ayodhyapuri, Ward No. - 46	
	COST OF SLRM CENTRE	
	Part - I SOR ITEM	
	CIVIL WORK	
1	Shed For Baling & Fatka Machine And Baled Storage	785295.00
2	C.C. Flooring	282366.00
3	C.C. Road	330580.00
4	Boundary Wall & Fencing	290578.04
5	Wet Waste Tipping Shed	348271.89
6	SLRM Revamping Work	421310.76
7	Rain Water Harvesting	32001.00
8	Plumbing & Sanitary Work	47635.00
	Total I	2538037.69

	Part - III NON-SOR ITEM	
9	Baling Machine	450000.00
10	Fatka Machine	180000.00
11	Conveyor Belt	155000.00
12	HDPE Wheel Container (10 Nos.)	13750.00
13	Weigh Bridge	225000.00
14	Bale Trolley (03 Nos.)	20400.00
15	Surveillance Camera	17813.00
16	Turbine Ventilator	15000.00
	Total	1076963.00
	Total -II	1076963.00
	Total Of Part (I+II)	3615000.69
F	Darrikhar, Ward No. - 52	
	COST OF SLRM CENTRE	
	Part - I SOR ITEM	
	CIVIL WORK	
1	Baled & Recyclable Material Storage Room	659866.55
2	C.C. Flooring	466128.00
3	C.C. Road	826450.00
4	Boundary Wall & Fencing	407791.62
5	Wet Waste Tipping Shed	348271.89
6	SLRM Revamping Work	350750.76
7	Rain Water Harvesting	32001.00
8	Plumbing & Sanitary Work	47635.00
	Total I	3138894.82
	Part - III NON-SOR ITEM	
9	Baling Machine	450000.00
10	Fatka Machine	180000.00
11	Conveyor Belt	155000.00
12	HDPE Wheel Container (10 Nos.)	13750.00
13	Weigh Bridge	225000.00
14	Bale Trolley (03 Nos.)	20400.00
15	Surveillance Camera	17813.00
16	Turbine Ventilator	15000.00
	Total	1076963.00
	Total -II	1076963.00
	Total Of Part (I+II)	4215857.82

G	Nehru Nagar, Ward No. - 40	
	COST OF SLRM CENTRE	
	Part - I SOR ITEM	
	CIVIL WORK	
1	Extension of Area For Baled & Recyclable Material	962387.00
2	Wet Waste Tipping Shed	348271.89
3	SLRM Revamping Work	830249.16
4	Rain Water Harvesting	32001.00
5	Plimbing & Sanitary Work	47635.00
	Total I	2220544.05
	Part - III NON-SOR ITEM	
6	Baling Machine	450000.00
7	Fatka Machine	180000.00
8	Conveyor Belt	155000.00
9	HDPE Wheel Container (10 Nos.)	13750.00
10	Weigh Bridge	225000.00
11	Bale Trolley (03 Nos.)	20400.00
12	Surveillance Camera	17813.00
13	Turbine Ventilator	15000.00
	Total	1076963.00
	Total -II	1076963.00
	Total Of Part (I+II)	3297507.05
H	Lal Ghat, Ward No. - 34	
	COST OF SLRM CENTRE	
	Part - I SOR ITEM	
	CIVIL WORK	
1	Shed Extension For Baled & Recyclable Material	937996.00
2	Wet Waste Tipping Shed	348271.89
3	SLRM Revamping Work	703503.96
4	Rain Water Harvesting	32001.00
5	Plimbing & Sanitary Work	47635.00
	Total I	2069407.85

	Part - III NON-SOR ITEM	
6	Conveyor Belt	155000.00
7	HDPE Wheel Container (10 Nos.)	13750.00
8	Weigh Bridge	225000.00
9	Bale Trolley (03 Nos.)	20400.00
10	Surveillance Camera	17813.00
11	Turbine Ventilator	15000.00
	Total	446963.00
	Total -II	446963.00
	Total Of Part (I+II)	2516370.85
I	Dangania Khar, Ward No. - 56	
	COST OF SLRM CENTRE	
	Part - I SOR ITEM	
	CIVIL WORK	
1	Shed Extension For Baled & Recyclable Material	303535.00
2	Wet Waste Tipping Shed	166839.36
3	SLRM Revamping Work	656117.16
4	Rain Water Harvesting	32001.00
5	Plumbing & Sanitary Work	47635.00
6	Electrical & Repairing Work	49020.00
	Total I	1255147.52
	Part - III NON-SOR ITEM	
7	Baling Machine	450000.00
8	Fatka Machine	180000.00
9	Conveyor Belt	155000.00
10	HDPE Wheel Container (10 Nos.)	13750.00
11	Weigh Bridge	225000.00
12	Bale Trolley (03 Nos.)	20400.00
13	Surveillance Camera	17813.00
14	Turbine Ventilator	15000.00
	Total	1076963.00
	Total -II	1076963.00
	Total Of Part (I+II)	2332110.52

J	Dewangan Para, Ward No. - 4	
	COST OF SLRM CENTRE	
	Part - I SOR ITEM	
	CIVIL WORK	
1	Shed Extension For Baling & Fatka Machine	303535.00
2	Shed For Baled Material Storage	511166.00
3	Wet Waste Tipping Shed	166839.36
4	SLRM Revamping Work	656117.16
5	Rain Water Harvesting	32001.00
	Total I	1669658.52
	Part - III NON-SOR ITEM	
6	Baling Machine	450000.00
7	Fatka Machine	180000.00
8	Conveyor Belt	155000.00
9	HDPE Wheel Container (10 Nos.)	13750.00
10	Weigh Bridge	225000.00
11	Bale Trolley (03 Nos.)	20400.00
12	Surveillance Camera	17813.00
13	Turbine Ventilator	15000.00
	Total	1076963.00
	Total -II	1076963.00
	Total Of Part (I+II)	2746621.52
K	Sitamani / Imaliduggu, Ward No. - 8	
	COST OF SLRM CENTRE	
	Part - I SOR ITEM	
	CIVIL WORK	
1	Baled & Recyclable Material Storage Room	659866.55
2	Wet Waste Tipping Shed	166839.36
3	SLRM Revamping Work	425720.76
4	Rain Water Harvesting	32001.00
5	Plumbing & Sanitary Work	47635.00
	Total I	1332062.67

	Part - III NON-SOR ITEM	
6	Baling Machine	450000.00
7	Fatka Machine	180000.00
8	Conveyor Belt	155000.00
9	HDPE Wheel Container (10 Nos.)	13750.00
10	Weigh Bridge	225000.00
11	Bale Trolley (03 Nos.)	20400.00
12	Surveillance Camera	17813.00
13	Turbine Ventilator	15000.00
	Total	1076963.00
	Total -II	1076963.00
	Total Of Part (I+II)	2409025.67
L	Podibahar Ward 29	
	COST OF SLRM CENTRE	
	Part - I SOR ITEM	
	CIVIL WORK	
1	Extension of Area For Baled & Recyclable Material	704451.00
2	Wet Waste Tipping Shed	348271.89
3	SLRM Revamping Work	634398.66
4	Rain Water Harvesting	32001.00
5	Plumbing & Sanitary Work	47635.00
	Total I	1766757.55
	Part - III NON-SOR ITEM	
6	Conveyor Belt	155000.00
7	HDPE Wheel Container (10 Nos.)	13750.00
8	Weigh Bridge	225000.00
9	Bale Trolley (03 Nos.)	20400.00
10	Surveillance Camera	17813.00
11	Turbine Ventilator	15000.00
	Total	446963.00
	Total -II	446963.00
	Total Of Part (I+II)	2213720.55

M	Vaishali Nagar, Ward No. - 59	
	COST OF SLRM CENTRE	
	Part - I SOR ITEM	
	CIVIL WORK	
1	Shed For Baled & Recyclable Material	1217262.24
2	Boundary Wall & Fencing	333579.96
3	Wet Waste Tipping Shed	348271.89
4	SLRM Revamping Work	575660.76
5	Rain Water Harvesting	32001.00
6	Plumbing & Sanitary Work	47635.00
	Total I	2554410.85
	Part - III NON-SOR ITEM	
7	Baling Machine	450000.00
8	Fatka Machine	180000.00
9	Conveyor Belt	155000.00
10	HDPE Wheel Container (10 Nos.)	13750.00
11	Weigh Bridge	225000.00
12	Bale Trolley (03 Nos.)	20400.00
13	Surveillance Camera	17813.00
14	Turbine Ventilator	15000.00
	Total	1076963.00
	Total -II	1076963.00
	Total Of Part (I+II)	3631373.85
N	Ravi Shankar Shukl Nagara, Ward No. - 23	
	COST OF SLRM CENTRE	
	Part - I SOR ITEM	
	CIVIL WORK	
1	Extension of Area for Baled & Recyclable Material	796277.00
2	C.C. Road	264464.00
3	Wet Waste Tipping Shed	166839.36
4	SLRM Revamping Work	631867.56
5	Rain Water Harvesting	32001.00
6	Plumbing & Sanitary Work	47635.00
7	Electrification & Repairing Work	49020.00
	Total I	1988103.92

	Part - III NON-SOR ITEM	
8	Baling Machine	450000.00
9	Fatka Machine	180000.00
10	Conveyor Belt	155000.00
11	HDPE Wheel Container (10 Nos.)	13750.00
12	Weigh Bridge	225000.00
13	Bale Trolley (03 Nos.)	20400.00
14	Surveillance Camera	17813.00
15	Turbine Ventilator	15000.00
	Total	1076963.00
	Total -II	1076963.00
	Total Of Part (I+II)	3065066.92
O	Rampur, Ward No. - 33	
	COST OF SLRM CENTRE	
	Part - I SOR ITEM	
	CIVIL WORK	
1	Extension of Area For Baling & Fatka Machine	334134.00
2	Extension of Area For Baled & Recyclable MATERIAL	318081.00
3	Wet Waste Tipping Shed	166839.36
4	SLRM Revamping Work	427251.87
5	Rain Water Harvesting	32001.00
6	Plumbing & Sanitary Work	47635.00
7	Electrical & Repairing Work	49020.00
	Total I	1374962.23
	Part - III NON-SOR ITEM	
8	Baling Machine	450000.00
9	Fatka Machine	180000.00
10	Conveyor Belt	155000.00
11	HDPE Wheel Container (10 Nos.)	13750.00
12	Weigh Bridge	225000.00
13	Bale Trolley (03 Nos.)	20400.00
14	Surveillance Camera	17813.00
15	Turbine Ventilator	15000.00
	Total	1076963.00
	Total -II	1076963.00
	Total Of Part (I+II)	2451925.23

P	Jamnipali, Ward No. - 51	
	COST OF SLRM CENTRE	
	Part - I SOR ITEM	
	CIVIL WORK	
1	Extension of Area For Baled & Recyclable Material	442398.00
2	Shed For Baled Material Storage	741002.00
3	Wet Waste Tipping Shed	166839.36
4	SLRM Revamping Work	631637.16
5	Rain Water Harvesting	32001.00
6	Plimbing & Sanitary Work	47635.00
7	Electrification & Repairing Work	49020.00
	Total I	2110532.52
	Part - III NON-SOR ITEM	
8	Baling Machine	450000.00
9	Fatka Machine	180000.00
10	Conveyor Belt	155000.00
11	HDPE Wheel Container (10 Nos.)	13750.00
12	Weigh Bridge	225000.00
13	Bale Trolley (03 Nos.)	20400.00
14	Surveillance Camera	17813.00
15	Turbine Vetilator	15000.00
	Total	1076963.00
	Total -II	1076963.00
	Total Of Part (I+II)	3187495.52
Q	Pump House, Ward No. - 14	
	COST OF SLRM CENTRE	
	Part - I SOR ITEM	
	CIVIL WORK	
1	Shed Extension For Baling & Fatka Machine	610103.00
2	Wet Waste Tipping Shed	348271.89
3	SLRM Revamping Work	319690.80
4	Rain Water Harvesting	32001.00
	Total I	1310066.69

	Part - III NON-SOR ITEM	
5	Baling Machine	450000.00
6	Fatka Machine	180000.00
7	Conveyor Belt	155000.00
8	HDPE Wheel Container (10 Nos.)	13750.00
9	Weigh Bridge	225000.00
10	Bale Trolley (03 Nos.)	20400.00
11	Surveillance Camera	17813.00
12	Turbine Ventilator	15000.00
	Total	1076963.00
	Total -II	1076963.00
	Total Of Part (I+II)	2387029.69
R	Kharmora, Ward No. - 35	
	COST OF SLRM CENTRE	
	Part - I SOR ITEM	
	CIVIL WORK	
1	Shed Extension For Baling & Fatka Machine	610103.00
2	Wet Waste Tipping Shed	348271.89
3	SLRM Revamping Work	319690.80
4	Rain Water Harvesting	32001.00
	Total I	1310066.69
	Part - III NON-SOR ITEM	
5	Baling Machine	450000.00
6	Fatka Machine	180000.00
7	Conveyor Belt	155000.00
8	HDPE Wheel Container (10 Nos.)	13750.00
9	Weigh Bridge	225000.00
10	Bale Trolley (03 Nos.)	20400.00
11	Surveillance Camera	17813.00
12	Turbine Ventilator	15000.00
	Total	1076963.00
	Total -II	1076963.00
	Total Of Part (I+II)	2387029.69

S	Barbaspur, Ward No. - 9	
	COST OF COMPOST PLANT	
	Part - I SOR ITEM	
	CIVIL INFRASTRUCTURE	
1	Windrow Compost Plant	16745053.68
2	Leachate Tank	380529.08
3	Curing Shed	4573835.61
4	Storage Room	2434524.48
5	C.C. Road	7015738.50
6	Paved Area	1174177.00
7	Boundary Fencing	1654914.65
8	Storm Water Drain	1204028.06
9	Rain Water Harvesting	32001.00
	Total - I	35214802.06
	Part - II NON-SOR ITEM	
10	Weigh Bridge	480000.00
11	Shredder Machine	590000.00
12	Turnner Machine	495000.00
13	Wheel Barrow (5 nos)	27500.00
14	Surveillance Camera	17813.00
	Total	1610313.00
	Total -II	1610313.00
	Total Of Part (I+II)	36825115.06
	Total Of 18 SLRM Centers & 1 Compost Plant	87893364.69
	Grand Total	87893364.69

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT TULSI NAGAR WARD NO - 2 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

PROPOSED SHED FOR STORAGE (15.00X10.00 M.)

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. 1.1.1) In all types of soil								
	F1-	10	1.80	1.80	1.50	48.60			
	(BUILDING SOR ITEM NO.-1.1.1/9)					48.60	CUM	185.00	8991.00
2	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	Sand Filling F1-	10	1.80	1.80	0.10	3.24			
	Floor Area	1	15.00	10.00	0.60	90.00			
	(BUILDING SOR. ITEM NO.-1.18/11)					93.24	CUM	371.00	34592.00
3	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). M-10								
	F1-	10	1.80	1.80	0.10	3.24			
	Floor Area	1	15.00	10.00	0.60	90.00			
	(BUILDING SOR. ITEM NO.- 3.1.3/23)					93.24	CUM	2970.00	276922.80
4	Cement concrete flooring with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm) finished with a floating coat of neat cement. 40 mm thick								
	Floor area	1	15.00	10.00		150.00	sqm	222.00	33300.00
	(BUILDING SOR ITEM NO.- 12.3)								
5	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). Grade of Concrete M-20								
	Footing-								
	F1-	10	1.50	1.50	0.30	6.75			
	Column upto Ground level-								
	C1-	10	0.45	0.30	1.00	1.35			
	Column Above Ground level-								
	C1-	10	0.45	0.30	4.00	5.40			
	(BUILDING SOR ITEM NO.- 3.2/23)					13.50	CUM	4163.00	56201.00
6	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M.								
	(BUILDING SOR ITEM NO.- 1.17)					29.16	CUM	65.00	1895.40
7	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415								
			Quantity as per item 3.3			13.50			
	(BUILDING SOR. ITEM NO.-3.12.1/24)		80kg/cum			1080.00	KG	54.50	58860.00
8	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT TULSI NAGAR WARD NO - 2 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

**DETAILED ESTIMATE FOR CONSTRUCTION OF WET WASTE TIPPING SHED
(5.00MX6.00M)**

Based on C. G. P.W.D BUILDING S.O.R. IN FORCE FROM 1 JAN 2015

SN	DESCRIPTION OF ITEM		N O	MEASUREMENT			QTY	RATE	UNI T	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
1	1.1 Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead 1.1.1 In all types of soils. F1(1500X1500)		8	1.50	1.50	1.50	27.00			
	total						27.00	185.00	cum	4,995.00
2	1.18 Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc complete. Footing F1(1500X1500)		8	1.50	1.50	0.10	1.80			
	total						1.80	371.00	cum	667.80
3	3.1 Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form 3.1.3 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal Footing F1(1500X1500)		8	1.50	1.50	0.10	1.80			
	total						1.80	2970.00	cum	5,346.00
4	7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: 7.5.4 Cement Mortar 1:6 (1 cement : 6 Below Plinth Level L Wall X Wall		4 4 1	2.14 2.64 4.58	0.30 0.30 0.30	0.30 0.30 0.30	0.77 0.95 0.41			
	total						2.13	3263.00	cum	6,959.98

SN	DESCRIPTION OF ITEM		N O	MEASUREMENT			QTY	RATE	UNI T	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
5	2.1 Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below Footings F1(1500X1500) Column upto G L C1(300X300) Column above G L C1(300X300) Plinth Beam L Wall X Wall									
		2	8	1.30		0.15	3.12			
		2	8		1.30	0.15	3.12			
		2	8	0.30		0.65	3.12			
		2	8	0.30		0.65	3.12			
		2	8	0.30		0.30	1.44			
		2	8	0.30		0.30	1.44			
		2	4	2.14		0.30	5.14			
		2	4	2.64		0.30	6.34			
		2	1	4.58		0.30	2.75			
	total						29.58	139.00	sqm	4,111.62
6	3.2 Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works up to plinth level excluding cost of form work 3.2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal F1(1500X1500) $0.3/6*((1.2*1.2)+(0.3*0.2)+(4*(1.2+0.3)/2*(1.2+0.2)/2))$ Subtotal a Column upto G L C1(300X300) Subtotal b Column above G L C1(300X300) Subtotal c Plinth Beam L Wall X Wall Subtotal d									
			8	1.30	1.30	0.20	2.70			
			8			0.20	1.60			
							4.30			
			8	0.30	0.30	0.65	0.47			
							0.47			
			8	0.30	0.30	0.30	0.22			
							0.22			
			4	2.14	0.30	0.30	0.77			
			4	2.64	0.30	0.30	0.95			
			1	4.58	0.30	0.30	0.41			
							2.13			
	total (a+b+c)						7.12	4163.00	cum	29,644.72

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SN	DESCRIPTION OF ITEM		N O	MEASUREMENT			QTY	RATE	UNI T	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
15	10.16 Providing and fixing precast galvanized steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with 10.16.1 Ridges plain (500-600mm) Ridge		1	8.00			8.00			
	total						8.00	552.00	mtr	4,416.00
16	10.16.6 Gutter. (600 mm over all girth). Gutter		2	8.00			16.00			
	total						16.00	629.00	mtr	10,064.00
17	14.22 Painting on new work (two or more coats) to give an even shade with: 14.22.2 Premium synthetic enamel paint On Steel Structure pole Truss	1.5 1.5	2 2	36.00 157.68			108.00 473.04			
	total						581.04	47.00	sqm	27,308.88
18	18.76 Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers jointing with 18.76.2 110 mm dia pipe. Rain water Pipe		4	4.50			18.00			
	total						18.00	267.00	mtr	4,806.00
19	12.4 52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of		1	5.00	6.00		30.00			
	total						30.00	441.00	sqm	13,230.00
Total										338,128.04
Add 3% Electrical and Plumbing Work										10,143.84
SUB TOTAL										348,271.89

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT TULSI NAGAR WARD NO - 2 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

" EXTERNAL C.C. FLOORING "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/height including disposal of rubbish upto 1.5 m lift and lead upto 50 m (at least 5m away from the dressed area).								
	(BUILDING SOR ITEM NO.-1.2/9)	1		550.00	-	550.00	SQ.M	7.20	3960.00
2	52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic hardening compound of approved quality mixed with cement in ratio of 4:1 (4 cement : 1 metallic floor hardening compound by								
	(BUILDING SOR ITEM NO.12.4/111)	1.00		550.00	-	550.00			
					Total	550.00	SQ.M	441.00	242550.00
								Total Rs.	246510.00

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT TULSI NAGAR WARD NO - 2 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

(Building SOR Items) W.E.F. - 01/01/2015

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT TULSI NAGAR WARD NO - 2 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" RAIN WATER HARVESTING (1.00X1.00X1.20 M) "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soil								
	(BUILDING SOR ITEM NO.-1.1.1/9)	1	1.40	1.40	1.20	2.35	CUM	185.00	434.75
2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	bottom Beam-	2	1.40	0.20	0.20	0.11			
		2	1.00	0.20	0.20	0.08			
	Top Slab-	1	1.40	1.40	0.10	0.20			
	(BUILDING SOR ITEM NO.-3.9/24)					0.39	CUM	4163.00	1623.57
3	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: 3.12.1 Thermo-Mechanically treated bars FE 415								
		Qty. as per item No.-3.2.1				0.39			
	(SOR ITEM NO.-3.12.1/24)		50 kg/cum			19.5	KG	54.50	1062.75
4	Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: 7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand)								
	(BUILDING SOR ITEM NO.-7.5.4/45)	1	4.80	0.20	1.40	1.34	CUM	3263.00	4385.47
5	Supplying, filling, spreading & leveling stone boulders/ Gravels/ Coarse sand, in recharge pit, in the required layers and thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge. (excavation of pit will be paid								
	Stone boulders of size range 5 cm to 20 cm, in recharge pit	1	1.00	1.00	0.40	0.40	CUM	863.00	345.20
	Gravels of size range 5 mm to 10 mm, over the existing layer of boulders	1	1.00	1.00	0.30	0.30	CUM	806.00	241.80
	Coarse sand of size range 1.5 mm to 2 mm over existing layer of gravel	1	1.00	1.00	0.20	0.20	CUM	471.00	94.20
	(BUILDING SOR ITEM NO.-21.14/201)								
	PIPELINE-								
6	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soil								
	(BUILDING SOR ITEM NO.-1.1/9)	1	50.0	0.30	0.30	4.50	CUM	185.00	832.50
7	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm. In depth consolidation each deposited layer by ramming and watering with a lead upto 50M. And lift upto 1.5M.								
	50% of Item No 1	-	-	-	-	2.25	CUM	65.00	146.25
	(BUILDING SOR ITEM NO.-1.17/11)								

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT TULSI NAGAR WARD NO - 2 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

SANITARY REPAIRING

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same colour), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	18.4.2 Coloured pedestal type	1	-	-	-	1.00	EACH	3592.00	3,592.00
	(BUILDING SOR ITEM NO.-18.4/161)								
2	18.1 Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	Coloured Orissa pattern W.C. pan of size 580x440 mm	1	-	-	-	1.00	EACH	3545.00	3,545.00
	(BUILDING SOR ITEM NO.-18.1/160)								
3	Providing and fixing 10 litre capacity P.V.C. low level flushing cistern conforming to IS : 7231, with all fittings and fixtures complete.								
	18.7.2 Coloured	2	-	-	-	2.00	EACH	837.00	1,674.00
	(BUILDING SOR ITEM NO.-18.7/161)								
4	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :								
	Coloured Size 550x450 mm	1	-	-	-	1.00	EACH	1894.00	1,894.00
	(BUILDING SOR ITEM NO.-18.17/162)								
5	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete.								
	18.76.1 75 mm dia pipe.	1	5.00	-	-	5.00	MTR	182.00	910.00
	18.76.2 110 mm dia pipe.	1	5.00	-	-	5.00	MTR	267.00	1,335.00
	(BUILDING SOR ITEM NO.-18.76/170)								
6	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.								
	Tee/ Tee with door/ Bend 45°/ Bend 90°								
	18.77.1.1 75 mm	5	-	-	-	5.00	EACH	113.00	565.00
	18.77.1.2 110 mm	5	-	-	-	5.00	EACH	154.00	770.00
	Vent covel								
	18.77.3.1 75 mm	4	-	-	-	4.00	EACH	34.00	136.00
	18.77.3.2 110 mm	4	-	-	-	4.00	EACH	44.00	176.00
	Access door cap								
	18.77.4.1 75 mm	10	-	-	-	10.00	EACH	49.50	495.00
	18.77.4.2 110 mm	10	-	-	-	10.00	EACH	59.00	590.00
	18.77.6 Nahani Trap 110	10	-	-	-	10.00	EACH	90.50	905.00
	(BUILDING SOR ITEM NO.-18.77/170)								

7	Providing and fixing UV stabilized Unplasticised PVC pipe clips of approved design to Rigid PVC pipes by means of 50 x 50 x 50 mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1cement :4 coarse sand) and making good the wall etc. complete.								
	18.78.1 75 mm	10	-	-	-	10.00	EACH	57.00	570.00
	18.78.2 110 mm	10	-	-	-	10.00	EACH	61.00	610.00
	(BUILDING SOR ITEM NO.-18.78/171)								
8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.CONCEALED WORK including cutting chases and making good the walls etc.,								
	19.5.1 15 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	133.00	665.00
	19.5.2 20 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	167.00	835.00
	(BUILDING SOR ITEM NO.-19.5/176)								
9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.INTERNAL WORK - EXPOSED ON WALL.								
	19.4.3 25 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	199.00	995.00
	19.4.4 32 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	271.00	1,355.00
	19.4.5 40 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	362.00	1,810.00
	(BUILDING SOR ITEM NO.-19.5/176)								
10	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete:								
	19.7.6 50 mm dia. nominal bore	1	5.00	-	-	5.00	MTR	471.00	2,355.00
	(BUILDING SOR ITEM NO.-19.7/177)								
11	Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:								
	19.14.1 Bib cock (400 grams)	2	-	-	-	2.00	EACH	382.00	764.00
	19.14.6 Stop cock (concealed) (600 grams)	2	-	-	-	2.00	EACH	494.00	988.00
	19.14.4 Piller Cock (400 grams)	2	-	-	-	2.00	EACH	398.00	796.00
	19.14.14 Soap dish plate	2	-	-	-	2.00	EACH	163.00	326.00
	(BUILDING SOR ITEM NO.-19.14/179)								
12	Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.								
	18.25.2 40 mm dia								
	(BUILDING SOR ITEM NO.-18.25.2/164)								
		4	-	-	-	4.00	EACH	88.50	354.00
13	Providing and fixing 600x450 mm beveled edge 4mm mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.								
	(BUILDING SOR ITEM NO.-18.29/164)								
		2	-	-	-	2.00	EACH	599.00	1,198.00
14	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :								
	18.30.1 5mm thick mirror								
	(BUILDING SOR ITEM NO.-18.30/164)								
		2	0.60	0.60	-	0.72	SQ.M	2016.00	1,452.00

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT MINI MATA WARD NO - 25 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" SHED EXTENSION FOR BALING & FATKA MACHINE - 4.0 M X 12.0 M "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Dismantling flag stone flooring laid in cement/lime mortar including stacking of serviceable material and disposal of unserviceable material within 50 metre lead.								
		1	4.00	12.00		48.00			
	(BUILDING SOR ITEM NO.- 16.8/146)					48.00	SQ.M	57.00	2736.00
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	F1-	2	1.50	1.50	1.80	8.10			
	(BUILDING SOR ITEM NO.-1.1.1/9)					8.10	CUM	185.00	1499.00
3	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including								
	F1-	2	1.50	1.50	1.80	8.10			
	Deduction- Sand cushion, pcc,footing,column up to GL-					-2.16			
	F1-	2	1.50	1.50	0.15	0.68			
	Floor	1	4.00	12.00	0.15	7.20			
	(BUILDING SOR. ITEM NO.-1.18/11)					13.82	CUM	371.00	5125.00
4	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work.								
	F1-	2	1.50	1.50	0.15	0.68			
	(BUILDING SOR. ITEM NO.- 3.1.3/23)					0.68	CUM	2970.00	2004.75
5	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm								
	Footing-								
	F1-	2	1.20	1.20	0.20	0.58			
	Column upto Ground level-								
	C1-	2	0.30	0.30	1.30	0.23			
	Column upto Plinth level-								
	C1-	2	0.30	0.30	0.175	0.03			
	Column above Plinth level-								
	C1-	2	0.30	0.30	3.000	0.54			
	Kerb wall	2	4.00	0.30	0.200	0.48			
	(BUILDING SOR ITEM NO.- 3.2/23)					1.86	CUM	4163.00	7749.00
6	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415								
	Quantity as per item 3.3					1.86			
	(BUILDING SOR. ITEM NO.-3.12.1/24)		80kg/cum			148.92	KG	54.50	8116.00
7	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
	Footing-								

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
	F1-	4	1.20	-	0.20	0.96			
		4	-	1.20	0.20	0.96			
	Column upto Ground level-								
	C1-	4	0.30	-	1.30	1.56			
		4	-	0.30	1.30	1.56			
	Column upto Plinth level-								
	C1-	4	0.30		0.175	0.21			
		4	-	0.30	0.175	0.21			
	Column above plinth								
	C1-	4	0.30		3.00	3.60			
		4	-	0.30	3.00	3.60			
	Kerb wall	2	4.00		0.300	2.40			
	(BUILDING SOR ITEM NO.- 2.1.1/16)					15.06	SQ.M	139.00	2093.00
8	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc								
	Shed area	1	4.00	12.00	-	48.00			
			35KG/SQM			1680.00	KG	93.50	157080.00
	(BUILDING SOR ITEM NO.- 9.3.2/80)								
9	10.12 Supply and fixing of polymer precoated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.								
	Top Roof	2	6.20	4.00	-	49.60			
	Side of Truss	1	12.40		1.50	18.60			
						68.20	SQM	693.00	47262.60
	(BUILDING SOR ITEM NO.- 10.12/91)								
10	10.16 Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and								
	10.16.1 Ridges plain (500-600mm)	1	4.00			4.00	MTR	552.00	2208.00
	10.16.6 Gutter. (600 mm over all girth)	2	4.00			8.00	MTR	629.00	5032.00
	(BUILDING SOR ITEM NO.- 10.16/91)								
11	Painting on new work (two or more coats) to give an even shade with Satin synthetic enamel paint								
	Shed truss	1	12.00	-	1.50	18.00			

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT MINI MATA WARD NO - 25 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" SHED EXTENSION FOR BALED & RECYCLABLE MATERIAL - 12.0 M X 3.0 M "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Dismantling flag stone flooring laid in cement/lime mortar including stacking of serviceable material and disposal of unserviceable material within 50 metre lead.								
		1	12.00	3.00		36.00			
	(BUILDING SOR ITEM NO.- 16.8/146)					36.00	SQ.M	57.00	2052.00
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	F1-	5	1.50	1.50	1.80	20.25			
	(BUILDING SOR ITEM NO.-1.1.1/9)					20.25	CUM	185.00	3746.00
3	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering,								
	F1-	5	1.50	1.50	1.80	20.25			
	Deduction- Sand cushion, pcc,footing,column up to GL-					-5.40			
	F1-	5	1.50	1.50	0.15	1.69			
	Floor	1	12.00	3.00	0.15	5.40			
	(BUILDING SOR. ITEM NO.-1.18/11)					21.94	CUM	371.00	8139.00
4	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work.								
	F1-	5	1.50	1.50	0.15	1.69			
	(BUILDING SOR. ITEM NO.- 3.1.3/23)					1.69	CUM	2970.00	5011.88
5	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate								
	Footing-								
	F1-	5	1.20	1.20	0.20	1.44			
	Column upto Ground level-								
	C1-	5	0.30	0.30	1.30	0.59			
	Column upto Plinth level-								
	C1-	5	0.30	0.30	0.175	0.08			
	Column above Plinth level-								
	C1-	5	0.30	0.30	3.000	1.35			
	Ground Beam	1	21.00	0.30	0.200	1.26			
	(BUILDING SOR ITEM NO.- 3.2/23)					4.71	CUM	4163.00	19623.00
6	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415								
	Quantity as per item 3.3					4.71			
	(BUILDING SOR. ITEM NO.-3.12.1/24)		80kg/cum			377.10	KG	54.50	20552.00

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
7	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.1 Foundations, footings, bases of columns plinth beam, curtain								
	Footing-								
	F1-	5X4	1.20	-	0.20	4.80			
	Column upto Ground level-								
	C1-	5X4	0.30	-	1.30	7.80			
	Column upto Plinth level-								
	C1-	5x4	0.30		0.18	1.05			
	Column above plinth								
	C1-	5x4	0.30		3	18.00			
	Ground Beam	2	21.00		0.3	12.60			
	(BUILDING SOR ITEM NO.- 2.1.1/16)					44.25	SQ.M	139.00	6151.00
8	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer. 9.3.2 Electric resistance or induction butt welded tubes Grade-300								
	Shed area	1	12.00	3.00	-	36.00			
			35KG/S QM			1260.00	KG	93.50	117810.00
	(BUILDING SOR ITEM NO.- 9.3.2/80)								
9	10.12 Supply and fixing of polymer pre-coated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.								
	Top Roof	1	3.50	12.00	-	42.00			
	Side of Truss	2		3.50		10.50			
						52.50	SQM	693.00	36382.50
	(BUILDING SOR ITEM NO.- 10.12/91)								
10	10.16 Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or								
	10.16.6 Gutter. (600 mm over all girth)	1	12.00			12.00	MTR	629.00	7548.00
	(BUILDING SOR ITEM NO.- 10.16/91)								
11	Painting on new work (two or more coats) to give an even shade with Satin								
	Shed truss	5	3.00	-	1.20	18.00			
	Runner	4	4.00	0.02		0.30			
	Pole	5	0.47		2.10	4.95			
	(BUILDING SOR. ITEM NO.-14.22.1/134)					23.25	SQM	55.00	1278.58

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WET WASTE TIPPING SHED AT SWM PLANT (4.00MX3.50M)

Based on C. G. P.W.D BUILDING S.O.R. IN FORCE

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SN	DESCRIPTION OF ITEM		NO	MEASUREMEN			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
	Rain water Pipe		4	4.50			18.00			
	total						18.00	267.00	mtr	4,806.00
15	52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic hardening compound of approved quality mixed with cement in ratio of 4:1 (4 cement : 1 metallic floor hardening compound by weight) including finishing etc. complete.									
	(BUILDING SOR ITEM NO.12.4/111)		1.00	4.50	3.00	-	13.50	SQ.M	441.00	5953.50
Total										161,979.96
Add 3% Electrical and Plumbing Work										4,859.40
SUB TOTAL										166,839.36

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT MINI MATA WARD NO - 25 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

(Building SOR Items) W.E.F. - 01/01/2015							
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DETAILED ESTIMATE FOR PROPOSED WORK OF " SLRM CENTRE AT MINI MATA WARD NO - 25 " NAGAR PALIKA NIGAM, KORBA (C.G.)
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" RAIN WATER HARVESTING (1.00X1.00X1.20 M) "

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT MINI MATA WARD NO - 25 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

SANITARY REPAIRING

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same colour), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	18.4.2 Coloured pedestal type	1	-	-	-	1.00	EACH	3592.00	3,592.00
	(BUILDING SOR ITEM NO.-18.4/161)								
2	18.1 Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	Coloured Orissa pattern W.C. pan of size 580x440 mm	1	-	-	-	1.00	EACH	3545.00	3,545.00
	(BUILDING SOR ITEM NO.-18.1/160)								
3	Providing and fixing 10 litre capacity P.V.C. low level flushing cistern conforming to IS : 7231, with all fittings and fixtures complete.								
	18.7.2 Coloured	2	-	-	-	2.00	EACH	837.00	1,674.00
	(BUILDING SOR ITEM NO.-18.7/161)								
4	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :								
	Coloured Size 550x450 mm	1	-	-	-	1.00	EACH	1894.00	1,894.00
	(BUILDING SOR ITEM NO.-18.17/162)								
5	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10								
	18.76.1 75 mm dia pipe.	1	5.00	-	-	5.00	MTR	182.00	910.00
	18.76.2 110 mm dia pipe.	1	5.00	-	-	5.00	MTR	267.00	1,335.00
	(BUILDING SOR ITEM NO.-18.76/170)								
6	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.								
	Tee/ Tee with door/ Bend 45°/ Bend 90°								
	18.77.1.1 75 mm	5	-	-	-	5.00	EACH	113.00	565.00
	18.77.1.2 110 mm	5	-	-	-	5.00	EACH	154.00	770.00
	Vent covel								
	18.77.3.1 75 mm	4	-	-	-	4.00	EACH	34.00	136.00
	18.77.3.2 110 mm	4	-	-	-	4.00	EACH	44.00	176.00
	Access door cap								
	18.77.4.1 75 mm	10	-	-	-	10.00	EACH	49.50	495.00
	18.77.4.2 110 mm	10	-	-	-	10.00	EACH	59.00	590.00
	18.77.6 Nahani Trap 110	10	-	-	-	10.00	EACH	90.50	905.00
	(BUILDING SOR ITEM NO.-18.77/170)								

7	Providing and fixing UV stabilized Unplasticised PVC pipe clips of approved design to Rigid PVC pipes by means of 50 x 50 x 50 mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1cement :4 coarse sand) and making good the wall etc. complete.								
	18.78.1 75 mm	10	-	-	-	10.00	EACH	57.00	570.00
	18.78.2 110 mm	10	-	-	-	10.00	EACH	61.00	610.00
	(BUILDING SOR ITEM NO.-18.78/171)								
8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.CONCEALED WORK including cutting chases and making good the walls etc.,								
	19.5.1 15 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	133.00	665.00
	19.5.2 20 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	167.00	835.00
	(BUILDING SOR ITEM NO.-19.5/176)								
9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.INTERNAL WORK - EXPOSED ON WALL.								
	19.4.3 25 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	199.00	995.00
	19.4.4 32 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	271.00	1,355.00
	19.4.5 40 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	362.00	1,810.00
	(BUILDING SOR ITEM NO.-19.5/176)								
10	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete:								
	19.7.6 50 mm dia. nominal bore	1	5.00	-	-	5.00	MTR	471.00	2,355.00
	(BUILDING SOR ITEM NO.-19.7/177)								
11	Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:								
	19.14.1 Bib cock (400 grams)	2	-	-	-	2.00	EACH	382.00	764.00
	19.14.6 Stop cock (concealed) (600 grams)	2	-	-	-	2.00	EACH	494.00	988.00
	19.14.4 Piller Cock (400 grams)	2	-	-	-	2.00	EACH	398.00	796.00
	19.14.14 Soap dish plate	2	-	-	-	2.00	EACH	163.00	326.00
	(BUILDING SOR ITEM NO.-19.14/179)								
12	Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.								
	18.25.2 40 mm dia								
	(BUILDING SOR ITEM NO.-18.25.2/164)	4	-	-	-	4.00	EACH	88.50	354.00
13	Providing and fixing 600x450 mm beveled edge 4mm mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.								
	(BUILDING SOR ITEM NO.-18.29/164)	2	-	-	-	2.00	EACH	599.00	1,198.00

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT ARAMASHEEN WARD NO - 20 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" SHED FOR BALED & RECYCLABLE MATERIAL - 27.0 X 3.0 M "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Dismantling flag stone flooring laid in cement/lime mortar including stacking of serviceable material and disposal of unserviceable material within 50 metre lead.								
		1	27.00	3.00		81.00			
	(BUILDING SOR ITEM NO.- 16.8/146)					81.00	SQ.M	57.00	4617.00
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. 1.1.1) In all types of soil								
	F1-	10	1.50	1.50	1.80	40.50			
	(BUILDING SOR ITEM NO.-1.1.1/9)					40.50	CUM	185.00	7493.00
3	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including								
	F1-	10	1.50	1.50	1.80	40.50			
	Deduction- Sand cushion, pcc,footing,column up to GL-					-10.80			
	F1-	10	1.50	1.50	0.15	3.38			
	Floor	1	27.00	3.00	0.15	12.15			
	(BUILDING SOR. ITEM NO.-1.18/11)					45.23	CUM	371.00	16778.00
4	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work.								
	F1-	10	1.50	1.50	0.15	3.38			
	(BUILDING SOR. ITEM NO.- 3.1.3/23)					3.38	CUM	2970.00	10023.75
5	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm								
	Footing-								
	F1-	10	1.20	1.20	0.20	2.88			
	Column upto Ground level-								
	C1-	10	0.30	0.30	1.30	1.17			
	Column upto Plinth level-								
	C1-	10	0.30	0.30	0.175	0.16			
	Column above Plinth level-								
	C1-	10	0.30	0.30	3.00	2.70			
	Ground Beam	2	27.00	0.30	0.20	3.24			
	(BUILDING SOR ITEM NO.- 3.2/23)					10.15	CUM	4163.00	42244.00
6	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415								
		Quantity as per item 3.3				10.15			
	(BUILDING SOR. ITEM NO.-3.12.1/24)		80kg/cum			811.80	KG	54.50	44243.00
7	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
	Footing-								
	F1-	20	1.20	-	0.20	4.80			
		20	-	1.20	0.20	4.80			
	Column upto Ground level-								
	C1-	20	0.30	-	1.30	7.80			
		20	-	0.30	1.30	7.80			
	Column upto Plinth level-								
	C1-	20	0.30		0.175	1.05			
		20	-	0.30	0.175	1.05			
	Column above plinth								
	C1-	20	0.30		3.00	18.00			
		20	-	0.30	3.00	18.00			
	Ground Beam	2	27.00		0.300	16.20			
	(BUILDING SOR ITEM NO.- 2.1.1/16)					79.50	SQ.M	139.00	11051.00
8	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer. 9.3.2 Electric resistance or induction butt welded tubes Grade-300								
	Shed area	1	27.00	3.00	-	81.00			
					35KG/SQM	2835.00	KG	93.50	265072.50
	(BUILDING SOR ITEM NO.- 9.3.2/80)								
9	10.12 Supply and fixing of polymer pre-coated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.								
	Top Roof	1	3.20	27.00	-	86.40			
	Side of Truss	2	3.00		1.50	9.00			
						95.40	SQM	693.00	66112.20
	(BUILDING SOR ITEM NO.- 10.12/91)								
10	10.16 Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or								
	10.16.6 Gutter. (600 mm over all girth)	1	27.00			27.00	MTR	629.00	16983.00
	(BUILDING SOR ITEM NO.- 10.16/91)								
11	Painting on new work (two or more coats) to give an even shade with Satin synthetic enamel paint								
	Shed truss	10	3.00	-	1.20	36.00			
	Runner	4	4.00	0.02		0.30			
	Pole	11	0.47		2.10	10.88			
	(BUILDING SOR. ITEM NO.-14.22.1/134)					47.18	SQM	55.00	2594.98

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
12	52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic hardening compound of approved quality mixed with cement in ratio of 4:1 (4 cement : 1 metallic floor hardening compound by weight) including finishing etc. complete.								
	(BUILDING SOR ITEM NO.12.4/111)	1.00	27.00	3.00	-	81.00	SQ.M	441.00	35721.00
13	Half brick thick brick masonry with fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in superstructure above plinth level upto plinth level:								
		1.00	27.00	-	3.00	81.00			
	(BUILDING SOR. ITEM NO.- 7.4.1/45)					81.00	SQ.M	382.00	30942.00
14	Providing and making 12mm.thick cement plaster of mix : In Cement Mortar 1:6 (1 Cement : 6 fine Sand)								
	INNER	1.00	27.00	-	3.00	81.00			
	(BUILDING SOR. ITEM NO.-11.2/103)					81.00	SQ.M	91.50	7411.50
15	Providing and making 15mm.thick cement plaster on the rough side of single or half brickwall of mix. In Cement Mortar 1:6 (1 cement : 6 fine sand)								
	OUTER	1.00	27.00	-	3.00	81.00			
	(BUILDING SOR. ITEM NO.-11.3/103)					81.00	SQ.M	107.00	8667.00
16	Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applied @ 1.25 Kg/ 10Sq.m as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Pomise sheen, Neroloc Lital Master, Berger Bison Lite, Nippon Superio.) inclusive of providing								
	INNER	1.00	27.00	-	3.00	81.00			
	As per Ammendment no 08, 05/05/2025 item no.16.62				Total	81.00	SQ.M	64.00	5184.00
17	Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sq.m up to final finish as per relevant I.S, Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2 Year Warranty)								
	OUTER	1.00	27.00	-	3.00	81.00			
	As per Ammendment no 08, 05/05/2025 item no.14.67				Total	81.00	SQ.M	70.00	5670.00
								Total Rs.	580808.00

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT ARAMASHEEN WARD NO - 20 "
WET WASTE TIPPING SHED AT SWM PLANT (5.00MX6.00M)**

Based on C. G. P.W.D BUILDING S.O.R. IN FORCE FROM 1 JAN 2015

SN	DESCRIPTION OF ITEM		N O	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
1	1.1 Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area),									
	1.1.1 In all types of soils.									
	F1(1500X1500)		8	1.50	1.50	1.50	27.00			
	total						27.00	185.00	cum	4,995.00
2	1.18 Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc complete.									
	Footing									
	F1(1500X1500)		8	1.50	1.50	0.10	1.80			
	total						1.80	371.00	cum	667.80
3	3.1 Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.									
	3.1.3 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).									
	Footing									
	F1(1500X1500)		8	1.50	1.50	0.10	1.80			
	total						1.80	2970.00	cum	5,346.00
4	7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:									
	7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand)									
	Below Plinth Level									
	L Wall		4	2.14	0.30	0.30	0.77			
	X Wall		4	2.64	0.30	0.30	0.95			
			1	4.58	0.30	0.30	0.41			
	total						2.13	3263.00	cum	6,959.98

SN	DESCRIPTION OF ITEM		N O	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
5	2.1 Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal									
	2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.									
	Footings									
	F1(1500X1500)	2	8	1.30		0.15	3.12			
		2	8		1.30	0.15	3.12			
	Column upto G L									
	C1(300X300)	2	8	0.30		0.65	3.12			
		2	8	0.30		0.65	3.12			
	Column above G L									
	C1(300X300)	2	8	0.30		0.30	1.44			
		2	8	0.30		0.30	1.44			
	Plinth Beam									
	L Wall	2	4	2.14		0.30	5.14			
	X Wall	2	4	2.64		0.30	6.34			
		2	1	4.58		0.30	2.75			
	total						29.58	139.00	sqm	4,111.62
6	3.2 Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works up to plinth level excluding cost of form work									
	3.2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).									
	F1(1500X1500)		8	1.30	1.30	0.20	2.70			
	$0.3/6*((1.2*1.2)+(0.3*0.2)+(4*(1.2+0.3)/2*(1.2+0.2)/2)$		8			0.20	1.60			
	Subtotal a						4.30			
	Column upto G L									
	C1(300X300)		8	0.30	0.30	0.65	0.47			
	Subtotal b						0.47			
	Column above G L									
	C1(300X300)		8	0.30	0.30	0.30	0.22			
	Subtotal c						0.22			
	Plinth Beam									
	L Wall		4	2.14	0.30	0.30	0.77			
	X Wall		4	2.64	0.30	0.30	0.95			
			1	4.58	0.30	0.30	0.41			
	Subtotal d						2.13			
	total (a+b+c)						7.12	4163.00	cum	29,644.72

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SN	DESCRIPTION OF ITEM		N O	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
12	14.14 Finishing walls with water proofing cement paint of required shade to give an even shade.									
	14.14.1 On new work (Two or more coats applied @ 3.84 kg/10 sqm)									
	External Wall									
	Area of External Plaster						13.20			
	total						13.20	41.00	sqm	541.20
13	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers									
	9.3.1 Electric resistance or induction butt welded tubes Grade-250									
	PWD S.O.R.-P-80/I-9.3.1									
	150Dia Pole @21.30kg/meter	1	8	4.50	21.30	-	766.80			
	Truss On Shed									
	Tie Beam 50mm dia @6.19Kg/meter	4	1	7.00	6.19	-	173.32			
	Rafter 50mm dia @6.19Kg/meter	4	2	4.35	6.19	-	215.41			
	Intermediate members 50mm dia @6.19Kg/meter	4	2	4.60	6.19	-	227.79			
	Purlins 40mm dia @ 4.37Kg/meter (On Top)	2	2	8.00	4.37	-	139.84			
	Gusset Plate, Fixing Bolt and Base Plate Etc						180.00			
	total						1703.16	88.50	Kg	150,729.66
14	10.12 Supply and fixing of polymer precoated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete unto any nitch in horizontal/ vertical or									
	PWD S.O.R.-P-91/I-10.11									
	Roofing		2	3.82	8.00		61.12			
	total						61.12	693.00	sqm	42,356.16

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT ARAMASHEEN WARD NO - 20 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

(Building SOR Items) W.E.F. - 01/01/2015

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S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RATE	AMOUNT
SLRM PAINTING WORK										
9	As per Ammendment no 08, 05/05/2025 item no.16.62	Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applied @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Pomise sheen, Neroloc Litil Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article								
		INSIDE	2	24	-	1.2	57.60			
			1	9	-	1.2	10.80			
			3	12	-	3	108.00			
			6	3	-	3	54.00			
		Door Deduct	3	3	-	2.1	18.90			
			4	0.9	-	2.1	7.56			
						Total	203.94	Sqm	64.00	13052.16
10	As per Ammendment no 08, 05/05/2025 item no.14.67	Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S, Code 15489:2013 Type - 2 Class D,C (Glossy /Semi Glossy finish) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2 Year Warranty)								
		OUTSIDE	2	24	-	1.2	57.60			
			1	9	-	1.2	10.80			
			1	20	-	3	60.00			
		Door Deduct	3	3	-	2.1	18.90			
						Total	109.50	Sqm	70.00	7665.00
11	As per Ammendment no 08, 05/05/2025 item no.14.74	Providing and applying priming coat on steel work with red Oxide/ zinc phosphate primer applied @ 0.50 lit /Sqm as per relevant code 3536:1999 (product such as Asian Zinc phosphate , Dulux Steel primer, Burger Red oxide primer) with all tools tackles and labour etc. complete for the work								
		Premium synthetic enamel paint On Steel								
		SLRM Pole & Fence	2	19.0	2.00		76.00			
			1	12.0	2.00		24.00			
		Door	1	3.0	2.10		6.30			
			1	2.0	2.10		4.20			
						Total	110.50			
		Add 20% Extra					22.10			
				Sub Total			132.60	Sqm	35.00	4641
12	As per Ammendment no 08, 05/05/2025 item no.14.76	Providing and applying Aluminium paint minimum 2 coats in all metal surface applying @ 0.75 li/ 10 Sqm up to required finish as per relevent I.S. code 2932: 2013 of (Product such as Asian Apcolite aluminium paint, Dulux Aliminium paint, Burger Superior Aluminium Paint) with all tools tackle and labour etc. complete for					132.60	sqm	43.00	5701.80

S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RATE	AMOUNT
DEMOLISH WORK										
13	(BUILDING SOR ITEM NO.- 16.3.3/146)	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead. In cement mortar.								
		Front side Boundary wall & Fencing	1.00	40.00	0.20	1.50	12.00			
		Back side Boundary wall & Fencing	1.00	27.00	0.20	1.50	8.10			
							20.10	SQ.M	263.00	5286.30
FENCING REVAMP										
14	(BUILDING SOR. ITEM NO.- 9.6.2/80)	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer. 9.6.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.								
		Top Rail	1	40.00	-	-	40.00			
				3.80 KG/MTR			152.00			
		Vertical- post-	27	1.50	-	-	40.50			
				14.80 KG/MTR			599.40			
							751.40	KG	68.00	51095.20
15	(BUILDING SOR ITEM NO.- 9.43.1/84)	Providing and fixing in position chain linked steel wire fabric made of 4 mm dia G.I. wire of required width in mesh to concrete/ wooden/ angle iron posts including securing and screwing with 2mm dia G.I. wire, G.I. staples, G.I.U-nails or steel pins etc., complete.								
			1	40.00	-	1.95	78.00			
							78.00	SQ.M	331.00	25818.00
									TOTAL	713836.66

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT ARAMASHEEN NO - 20 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" RAIN WATER HARVESTING (1.00X1.00X1.20 M) "

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT ARAMASHEEN WARD NO - 20 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" PLUMBING & SANITARY WORK "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in	AMOUN T
1	Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same colour), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors								
	18.4.2 Coloured pedestal type	1	-	-	-	1.00	EACH	3592.00	3,592.00
	(BUILDING SOR ITEM NO.-18.4/161)								
2	18.1 Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	Coloured Orissa pattern W.C. pan of size 580x440 mm	1	-	-	-	1.00	EACH	3545.00	3,545.00
	(BUILDING SOR ITEM NO.-18.1/160)								
3	Providing and fixing 10 litre capacity P.V.C. low level flushing cistern conforming to IS : 7231, with all fittings and fixtures complete.								
	18.7.2 Coloured	2	-	-	-	2.00	EACH	837.00	1,674.00
	(BUILDING SOR ITEM NO.-18.7/161)								
4	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :								
	Coloured Size 550x450 mm	1	-	-	-	1.00	EACH	1894.00	1,894.00
	(BUILDING SOR ITEM NO.-18.17/162)								
5	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc								
	18.76.1 75 mm dia pipe.	1	5.00	-	-	5.00	MTR	182.00	910.00
	18.76.2 110 mm dia pipe.	1	5.00	-	-	5.00	MTR	267.00	1,335.00
	(BUILDING SOR ITEM NO.-18.76/170)								
6	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.								
	Tee/ Tee with door/ Bend 45°/ Bend 90°								
	18.77.1.1 75 mm	5	-	-	-	5.00	EACH	113.00	565.00
	18.77.1.2 110 mm	5	-	-	-	5.00	EACH	154.00	770.00
	Vent cover								
	18.77.3.1 75 mm	4	-	-	-	4.00	EACH	34.00	136.00
	18.77.3.2 110 mm	4	-	-	-	4.00	EACH	44.00	176.00
	Access door cap								
	18.77.4.1 75 mm	10	-	-	-	10.00	EACH	49.50	495.00
	18.77.4.2 110 mm	10	-	-	-	10.00	EACH	59.00	590.00
	18.77.6 Nahani Trap 110	10	-	-	-	10.00	EACH	90.50	905.00
	(BUILDING SOR ITEM NO.-18.77/170)								
7	Providing and fixing UV stabilized Unplasticised PVC pipe clips of approved design to Rigid PVC pipes by means of 50 x 50 x 50 mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1cement :4 coarse sand) and making good the wall etc. complete.								

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in	AMOUN T
	18.78.1 75 mm	10	-	-	-	10.00	EACH	57.00	570.00
	18.78.2 110 mm	10	-	-	-	10.00	EACH	61.00	610.00
	(BUILDING SOR ITEM NO.-18.78/171)								
8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.CONCEALED WORK including cutting chases and making good the walls etc.,								
	19.5.1 15 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	133.00	665.00
	19.5.2 20 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	167.00	835.00
	(BUILDING SOR ITEM NO.-19.5/176)								
9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.INTERNAL WORK - EXPOSED ON WALL.								
	19.4.3 25 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	199.00	995.00
	19.4.4 32 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	271.00	1,355.00
	19.4.5 40 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	362.00	1,810.00
	(BUILDING SOR ITEM NO.-19.5/176)								
10	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete:								
	19.7.6 50 mm dia. nominal bore	1	5.00	-	-	5.00	MTR	471.00	2,355.00
	(BUILDING SOR ITEM NO.-19.7/177)								
11	Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:								
	19.14.1 Bib cock (400 grams)	2	-	-	-	2.00	EACH	382.00	764.00
	19.14.6 Stop cock (concealed) (600 grams)	2	-	-	-	2.00	EACH	494.00	988.00
	19.14.4 Piller Cock (400 grams)	2	-	-	-	2.00	EACH	398.00	796.00
	19.14.14 Soap dish plate	2	-	-	-	2.00	EACH	163.00	326.00
	(BUILDING SOR ITEM NO.-19.14/179)								
12	Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.								
	18.25.2 40 mm dia								
	(BUILDING SOR ITEM NO.-18.25.2/164)	4	-	-	-	4.00	EACH	88.50	354.00
13	Providing and fixing 600x450 mm beveled edge 4mm mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.								
	(BUILDING SOR ITEM NO.-18.29/164)	2	-	-	-	2.00	EACH	599.00	1,198.00
14	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :								
	18.30.1 5mm thick mirror								
	(BUILDING SOR ITEM NO.-18.30/164)	2	0.60	0.60	-	0.72	SQ.M	2016.00	1,452.00
15	Making connection of G.I. distribution branch in G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete: (dia of main line to be measured)								
	19.10.4 50 mm nominal bore	5	-	-	-	5.00	EACH	347.00	1,735.00

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT MANIKPUR WARD NO - 30 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

" SHED EXTENSION - 4.0 X 12.0 "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Dismantling flag stone flooring laid in cement/lime mortar including stacking of serviceable material and disposal of unserviceable material within 50 metre lead.								
		1	4.00	12.00		48.00			
	(BUILDING SOR ITEM NO.- 16.8/146)					48.00	SQ.M	57.00	2736.00
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. 1.1.1) In all types of soil								
	F1-	2	1.50	1.50	1.80	8.10			
	(BUILDING SOR ITEM NO.-1.1.1/9)					8.10	CUM	185.00	1499.00
3	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering,								
	F1-	2	1.50	1.50	1.80	8.10			
	Deduction- Sand cushion, pcc,footing,column up to GL-					-2.16			
	F1-	2	1.50	1.50	0.15	0.68			
	Floor	1	4.00	12.00	0.15	7.20			
	(BUILDING SOR. ITEM NO.-1.18/11)					13.82	CUM	371.00	5125.00
4	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). M-10								
	F1-	2	1.50	1.50	0.15	0.68			
	Floor	1	4.00	12.00	0.10	4.80			
	(BUILDING SOR. ITEM NO.- 3.1.3/23)					5.48	CUM	2970.00	16260.75
5	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). Grade of Concrete M-20								
	Footing-								
	F1-	2	1.20	1.20	0.20	0.58			
	Column upto Ground level-								
	C1-	2	0.30	0.30	1.30	0.23			
	Column upto Plinth level-								
	C1-	2	0.30	0.30	0.175	0.03			
	Column above Plinth level-								
	C1-	2	0.30	0.30	3.000	0.54			
	Kerb wall	2	4.00	0.30	0.200	0.48			
	(BUILDING SOR ITEM NO.- 3.2/23)					1.86	CUM	4163.00	7749.00
6	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415								
		Quantity as per item 3.3				1.86			
	(BUILDING SOR. ITEM NO.-3.12.1/24)	80kg/cum				148.92	KG	54.50	8116.00

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
7	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
	Footing-								
	F1-	4	1.20	-	0.20	0.96			
		4	-	1.20	0.20	0.96			
	Column upto Ground level-								
	C1-	4	0.30	-	1.30	1.56			
		4	-	0.30	1.30	1.56			
	Column upto Plinth level-								
	C1-	4	0.30		0.175	0.21			
		4	-	0.30	0.175	0.21			
	Column above plinth								
	C1-	4	0.30		3.00	3.60			
		4	-	0.30	3.00	3.60			
	Kerb wall	2	4.00		0.300	2.40			
	(BUILDING SOR ITEM NO.- 2.1.1/16)					15.06	SQ.M	139.00	2093.00
8	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for								
	Shed area	1	4.00	12.00	-	48.00			
				35KG/SQM		1680.00	KG	93.50	157080.00
	(BUILDING SOR ITEM NO.- 9.3.2/80)								
9	10.12 Supply and fixing of polymer pre-coated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.								
	Top Roof	2	6.20	4.00	-	49.60			
	Side of Truss	1	12.40		1.50	18.60			
						68.20	SQM	693.00	47262.60
	(BUILDING SOR ITEM NO.- 10.12/91)								
10	10.16 Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or								
	10.16.1 Ridges plain (500-600mm)	1	4.00			4.00	MTR	552.00	2208.00
	10.16.6 Gutter. (600 mm over all girth)	2	4.00			8.00	MTR	629.00	5032.00
	(BUILDING SOR ITEM NO.- 10.16/91)								

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT MANIKPUR WARD NO - 30 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

WET WASTE TIPPING SHED AT SWM PLANT (4.00MX3.50M)

Based on C. G. P.W.D BUILDING S.O.R. IN FORCE FROM 1 JAN 2015

[illegible]

SN	DESCRIPTION OF ITEM		NO	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
	2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below									
	Footings									
	F1(1500X1500)	2	4	1.30		0.15	1.56			
		2	4		1.30	0.15	1.56			
	Column upto G L									
	C1(300X300)	2	4	0.30		0.65	1.56			
		2	4	0.30		0.65	1.56			
	Column above G L									
	C1(300X300)	2	4	0.30		0.30	0.72			
		2	4	0.30		0.30	0.72			
	total						7.68	139.00	sqm	1,067.52
5	3.2 Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works up to plinth level excluding cost of form work									
	3.2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal									
	F1(1800X1800)		4	1.30	1.30	0.20	1.35			
	0.3/6*((1.2*1.2)+(0.3*0.2)+(4*(1.2+0.3)/2*(1.2+0.2)/2))		4			0.20	0.80			
	Subtotal a						2.15			
	Column upto G L									
	C1(300X300)		4	0.30	0.30	0.65	0.23			
	Subtotal b						0.23			
	Column above G L									
	C1(300X300)		4	0.30	0.30	0.30	0.11			
	Subtotal c						0.11			
	total (a+b+c)						2.49	4163.00	cum	10,382.52
6	3.12 Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:									
	3.12.1 Thermo-Mechanically treated bars FE 415									
	Footing			2.15	1.00	78.50	168.93			
	Column			0.34	1.00	78.50	26.85			

SN	DESCRIPTION OF ITEM		NO	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
	total						195.78	54.50	Kg	10,669.96
7	1.17 Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M.									
	Total qty of excavation - sand filling+PCC+RCC upto GL						9.21			
	total						9.21	38.15	cum	351.21
8	11.2 Providing and making 12mm thick cement plaster of mix:									
	11.2.4 In Cement Mortar 1:6 (1 cement : 6									
	C1(300X300)	4	4	0.30		0.30	1.44			
	total						1.44	91.50	sqm	131.76
9	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate,									
	9.3.1 Electric resistance or induction butt welded tubes Grade-250									
	PWD S.O.R.-P-80/I-9.3.1									
	150Dia Pole @21.30kg/meter	1	4	4.50	21.30	-	383.40			
	Truss On Shed									
	Tie Beam 50mm dia @6.19Kg/meter	1	1	6.00	6.19	-	37.14			
	Rafter 50mm dia @6.19Kg/meter	1	2	3.38	6.19	-	41.84			
	Intermediate members 50mm dia @6.19Kg/meter	1	2	4.50	6.19	-	55.71			
	Purlins 40mm dia @ 4.37Kg/meter (On Top)	1	4	5.50	4.37	-	96.14			
	Gusset Plate, Fixing Bolt and Base Plate						140.00			
	total						754.23	88.50	Kg	66,749.36

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SN	DESCRIPTION OF ITEM		NO	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
14	18.76 Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers jointing with 18.76.2 110 mm dia pipe.									
	Rain water Pipe		4	4.50			18.00			
	total						18.00	267.00	mtr	4,806.00
15	52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic hardening compound of approved quality mixed with cement in ratio of 4:1 (4 cement : 1 metallic floor hardening compound by weight) including finishing etc. complete.									
	(BUILDING SOR ITEM NO.12.4/111)		###	4.50	3.00	-	13.50	SQ.M	441.00	5953.50
Total										161,979.96
Add 3% Electrical and Plumbing Work										4,859.40
SUB TOTAL										166,839.36

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT MANIKPUR WARD NO - 30 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

(Building SOR Items) W.E.F. - 01/01/2015

S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RATE	AMOUNT
1	(BUILDING SOR ITEM NO. 10.12/91)	10.12 Supply and fixing of polymer precoated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.								
		SLRM SHED SHEET	2	6.2	27	-	335			
							335	SQM	693	232016.40
2	(BUILDING SOR ITEM NO. 10.16/91)	10.16 Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete :								
		10.16.1 Ridges plain (500-600mm)	1	27			27	MTR	552	14904
		10.16.6 Gutter. (600 mm over all girth)	2	27			54	MTR	629	33966
SLRM FLOORING WORK										
8	(BUILDING SOR ITEM NO. 12.49/118)	25 mm thick KOTA stone slab flooring over 20mm (Average) thick base of cement mortar 1:4 laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including grinding rubbing and polishing etc. complete (Area of slab to be over 0.20 SQ.M and upto 0.50 SQ.M)								
			1.00	12.00	27.00	-	324.00			
		Add 10% Extra					32.40			
							356.40	SQ.M	897.00	319690.80
	(BUILDING SOR ITEM NO.12.4/111)	52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic hardening compound of approved quality mixed with cement in ratio of 4:1 (4 cement : 1 metallic floor hardening compound by weight) including finishing etc. complete.								
		Back Side Area	1.00	45.00	1.00	-	45.00			
						Total	45.00	SQ.M	441.00	19845.00

S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RATE	AMOUNT
SLRM PAINTING WORK										
9	As per Ammendment no 08, 05/05/2025 item no.16.62	Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applied @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Pomise sheen, Neroloc Litol Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour complete for the work.								
		INSIDE	2	24	-	1.2	57.60			
			1	12	-	1.2	14.40			
			3	12	-	3	108.00			
			6	3	-	3	54.00			
		Door Deduct	3	3	-	2.1	18.90			
			4	0.9	-	2.1	7.56			
						Total	207.54	Sqm	64.00	13282.56
10	As per Ammendment no 08, 05/05/2025 item no.14.67	Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S. Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2 Year								
		OUTSIDE	2	24	-	1.2	57.60			
			1	9	-	1.2	10.80			
			1	20	-	3	60.00			
		Door Deduct	3	3	-	2.1	18.90			
						Total	109.50	Sqm	70.00	7665.00
11	As per Ammendment no 08, 05/05/2025 item no.14.74	Providing and applying priming coat on steel work with red Oxide/ zinc phosphate primer applied @ 0.50 lit /Sqm as per relevant code 3536:1999 (product such as Asian Zinc phosphate , Dulux Steel primer, Burger Red oxide primer) with all tools tackles and labour etc. complete for the work								
		Premium synthetic enamel paint								
		On Steel								
		SLRM Pole & Fence	2	19.0	2.00		76.00			
			1	12.0	2.00		24.00			
		Door	1	3.0	2.10		6.30			
			1	2.0	2.10		4.20			
					Total		110.50			
		Add 20% Extra					22.10			
				Sub Total			132.60	Sqm	35.00	4641
12	As per Ammendment no 08, 05/05/2025 item no.14.76	Providing and applying Aluminium paint mimimum 2 coats in all metal surface applying @ 0.75 li/ 10 Sqm up to required finish as per relevent I.S. code 2932: 2013 of (Product such as Asian Apcolite aluminium paint, Dulux Aliminium paint, Burger Superior Aluminium Paint) with all tools tackle and labour etc. complete for the work					132.60	sqm	43.00	5701.80

S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RATE	AMOUNT
DEMOLISH WORK										
	(BUILDING SOR ITEM NO. 16.3.3/146)	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead. In cement mortar.								
		Wash Area	1.00	10.00	0.20	0.90	1.80			
							1.80	SQ.M	263.00	473.40
									TOTAL	652185.96

DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE ATMANIKPUR WARD NO - 30 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)

" RAIN WATER HARVESTING (1.00X1.00X1.20 M) "

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE ATMANIKPUR WARD NO - 30 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

SANITARY REPAIRING

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same colour), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	18.4.2 Coloured pedestal type	1	-	-	-	1.00	EACH	3592.00	3,592.00
	(BUILDING SOR ITEM NO.-18.4/161)								
2	18.1 Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	Coloured Orissa pattern W.C. pan of size 580x440 mm	1	-	-	-	1.00	EACH	3545.00	3,545.00
	(BUILDING SOR ITEM NO.-18.1/160)								
3	Providing and fixing 10 litre capacity P.V.C. low level flushing cistern conforming to IS : 7231, with all fittings and fixtures								
	18.7.2 Coloured	2	-	-	-	2.00	EACH	837.00	1,674.00
	(BUILDING SOR ITEM NO.-18.7/161)								
4	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :								
	Coloured Size 550x450 mm	1	-	-	-	1.00	EACH	1894.00	1,894.00
	(BUILDING SOR ITEM NO.-18.17/162)								
5	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382								
	18.76.1 75 mm dia pipe.	1	5.00	-	-	5.00	MTR	182.00	910.00
	18.76.2 110 mm dia pipe.	1	5.00	-	-	5.00	MTR	267.00	1,335.00
	(BUILDING SOR ITEM NO.-18.76/170)								
6	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.								
	Tee/ Tee with door/ Bend 45°/ Bend 90°								
	18.77.1.1 75 mm	5	-	-	-	5.00	EACH	113.00	565.00
	18.77.1.2 110 mm	5	-	-	-	5.00	EACH	154.00	770.00
	Vent covel								
	18.77.3.1 75 mm	4	-	-	-	4.00	EACH	34.00	136.00
	18.77.3.2 110 mm	4	-	-	-	4.00	EACH	44.00	176.00
	Access door cap								
	18.77.4.1 75 mm	10	-	-	-	10.00	EACH	49.50	495.00
	18.77.4.2 110 mm	10	-	-	-	10.00	EACH	59.00	590.00

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
	18.77.6 Nahani Trap 110	10	-	-	-	10.00	EACH	90.50	905.00
	(BUILDING SOR ITEM NO.-18.77/170)								
7	Providing and fixing UV stabilized Unplasticised PVC pipe clips of approved design to Rigid PVC pipes by means of 50 x 50 x 50 mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1cement :4 coarse sand) and making good the wall etc. complete.								
	18.78.1 75 mm	10	-	-	-	10.00	EACH	57.00	570.00
	18.78.2 110 mm	10	-	-	-	10.00	EACH	61.00	610.00
	(BUILDING SOR ITEM NO.-18.78/171)								
8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes , having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.CONCEALED WORK including cutting chases and making good the walls etc.,								
	19.5.1 15 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	133.00	665.00
	19.5.2 20 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	167.00	835.00
	(BUILDING SOR ITEM NO.-19.5/176)								
9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.INTERNAL WORK - EXPOSED ON WALL.								
	19.4.3 25 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	199.00	995.00
	19.4.4 32 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	271.00	1,355.00
	19.4.5 40 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	362.00	1,810.00
	(BUILDING SOR ITEM NO.-19.5/176)								
10	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete:								
	19.7.6 50 mm dia. nominal bore	1	5.00	-	-	5.00	MTR	471.00	2,355.00
	(BUILDING SOR ITEM NO.-19.7/177)								
11	Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:								
	19.14.1 Bib cock (400 grams)	2	-	-	-	2.00	EACH	382.00	764.00
	19.14.6 Stop cock (concealed) (600 grams)	2	-	-	-	2.00	EACH	494.00	988.00
	19.14.4 Piller Cock (400 grams)	2	-	-	-	2.00	EACH	398.00	796.00
	19.14.14 Soap dish plate	2	-	-	-	2.00	EACH	163.00	326.00
	(BUILDING SOR ITEM NO.-19.14/179)								

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
12	Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.								
	18.25.2 40 mm dia								
	(BUILDING SOR ITEM NO.-18.25.2/164)	4	-	-	-	4.00	EACH	88.50	354.00
13	Providing and fixing 600x450 mm beveled edge 4mm mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.								
	(BUILDING SOR ITEM NO.-18.29/164)	2	-	-	-	2.00	EACH	599.00	1,198.00
14	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :								
	18.30.1 5mm thick mirror								
	(BUILDING SOR ITEM NO.-18.30/164)	2	0.60	0.60	-	0.72	SQ.M	2016.00	1,452.00
15	Making connection of G.I. distribution branch in G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete: (dia of main line to be measured)								
	19.10.4 50 mm nominal bore	5	-	-	-	5.00	EACH	347.00	1,735.00
	(BUILDING SOR ITEM NO.-19.10/178)								
16	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):								
	19.16.4 50 mm nominal bore	2	-	-	-	2.00	EACH	762.00	1,524.00
	(BUILDING SOR ITEM NO.-19.16/179)								
17	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :								
	20.1.1 100 mm diameter	1	10.00	-	-	10.00	MTR	162.00	1,620.00
	(BUILDING SOR ITEM NO.-20.1/189)								
18	Providing and constructing brick masonry chamber for underground pipe and and bends with well burnt modular clay bricks crushing strength not less than 35kg/cm ² in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design :								
	20.28.1 inside dimensions 455x610 mm and 45 cm deep for single pipe line	1	-	-	-	1.00	EACH	3796.00	3,796.00
	(BUILDING SOR ITEM NO.-20.28/194)								

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT MANIKPUR WARD NO - 30 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

ELECTRIFICATION WORKS

As Per CG Electrical SOR 2020

S.No.	Item No.	Particulars	Quantity	Unit	Rate	Amount
1	1.7	Wiring for light/ fan/ exhaust fan / call bell point with 3x1.5 sqmm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) with 5/6 amp modular switch, modular base and cover plate, suitable size G.I. box as per specification and IS: 694 (2010),				
	1.7.1	Short Point	8.00	Point	266.00	2128.00
	1.7.2	Medium Point	27.00	Point	424.00	11448.00
	1.7.3	Long Point	8.00	Point	588.00	4704.00
2	1.9	Extra for providing and fixing light plug point on board in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) point wiring with modular type 3 pin 5/6 amp socket outlet and 5/6 amp switch including cost of base and cover plate and G. I. box etc. as per specification and IS: 694	6.00	Point	216.00	1296.00
3	1.13	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, wire in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)				
	1.13.1	3 X 1.5 sq. mm in 20mm conduit	27.00	Metre	92.00	2484.00
	1.13.8	3 X 10 sq. mm in 25mm conduit	10.00	Metre	270.00	2700.00
4	1.15	Supplying and fixing of following sizes FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) along with accessories in concealed complete as per specification and IS: 9537 (2000 Part 5)				
	1.15.1	20 mm	80.00	Metre	42.00	3360.00

S.No.	Item No.	Particulars	Quantity	Unit	Rate	Amount
5	5.1	Supplying and fixing following piano type switch, socket, other accessories on the existing switch box/ cover including connections etc. as per specification.				
	5.1.12	Fan regulator	10.00	Each	130.00	1300.00
6	5.11	Providing and fixing fan clamp made of 3mm thick MS flat on existing iron trusses/ girder including necessary bolts and nuts etc. as per specification.				
			10.00	Each	40.00	400.00
7	6.1	Supplying, installation, testing and commissioning of following sizes ceiling fan including wiring the down rods of standard length up to 30 cm with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, earthing etc. complete as required. P.F. should be greater than 0.9, with BEE Star rating from 1 star and above, IS: 374:2019 including all amendments.				
	6.1.1	600 mm sweep	10.00	Each	1477.00	14770.00
8	6.19.3	Supplying, installation, testing and commissioning of following LED tube light fitting including batten with Electronic Driver Heat sink Capacitor complete with all other accessories on surface/ in false ceiling, including connection, earthing etc complete as per specification and IP20, P.F. should be greater than 0.9. LED chip efficacy ratio $\geq$ 100 lumens /watt.				
	6.15.3	18/20 watt {4 feet}	10.00	Each	443.00	4430.00
	Total					49020.00

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT AYODHYAPURI WARD NO - 46 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" PROPOSED SHED FOR STORAGE (15.00 X 10.00 M.) "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. 1.1.1) In all types of soil								
	F1-	10	1.80	1.80	1.50	48.60			
	(BUILDING SOR ITEM NO.-1.1.1/9)					48.60	CUM	185.00	8991.00
2	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	Sand Filling F1-	10	1.80	1.80	0.10	3.24			
	(BUILDING SOR. ITEM NO.-1.18/11)					3.24	CUM	371.00	1202.00
3	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). M-10								
	F1-	10	1.80	1.80	0.10	3.24			
	(BUILDING SOR. ITEM NO.- 3.1.3/23)					3.24	CUM	2970.00	9622.80
4	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone								
	Footing-								
	F1-	10	1.50	1.50	0.30	6.75			
	Column upto Ground level-								
	C1-	10	0.45	0.30	1.00	1.35			
	Column Above Ground level-								
	C1-	10	0.45	0.30	1.20	1.62			
	(BUILDING SOR ITEM NO.- 3.2/23)					9.72	CUM	4163.00	40464.00
5	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M.								
	(BUILDING SOR ITEM NO.- 1.17)					29.16	CUM	65.00	1895.40
6	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415								

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
			Quantity as per item 3.3			9.72			
	(BUILDING SOR. ITEM NO.-3.12.1/24)		80kg/cum			777.60	KG	54.50	42379.00
7	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
	Footing-								
	F1-	10	6.00	-	0.30	18.00			
	Column upto Ground level-								
	C1-	10	1.50	-	1.00	15.00			
	Column Above Ground level-								
	C1-	10	1.50		1.20	18.00			
	(BUILDING SOR ITEM NO.- 2.1.1/16)					51.00	SQ.M	139.00	7089.00
8	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:								
	Cement Mortar 1:6 (1 cement : 6 coarse sand)								
	Long wall	2	4	3.77	0.20	3.50	21.08		
	Short wall	1	2	9.55	0.20	3.50	13.37		
	For Traingular Area (1/2xbxh)(1/2x5x1.2 =3.00 sqm)	2	2	3.00	sqm	0.20	2.40		
	Deduction								
	W	1	4	1.20	0.20	1.20	-1.15		
	Rolling Shutter	1	1	3.77	0.20	2.10	-1.58		
	(BUILDING SOR ITEM NO.- 7.5.4)					34.12	Cum	3263.00	111328.99
9	11.2 Providing and making 12mm thick cement plaster of mix:								
	11.2.4 In Cement Mortar 1:6 (1 cement : 6 fine sand)								
	Long wall	2	4	3.77		3.50	105.42		
	Short wall	1	2	9.55		3.50	66.85		
	For Traingular Area (1/2xbxh)(1/2x5x1.2 =3.00 sqm)	2	2	3.00			12.00		
	Deduction								
	W	1	4	1.20		1.20	-5.76		
	Rolling Shutter	1	1	3.77		2.10	-7.92		
	(BUILDING SOR ITEM NO.- 11.2.4)					170.59	Sqm	91.50	15609.26
10	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall								
	11.3.3 In Cement Mortar 1:5 (1 cement : 5 fine sand)								
	C1-		10	1.50		1.20	18.00		
	Long wall	2	4	3.77		3.70	111.44		
	Short wall	1	2	9.55		3.70	70.67		
	For Traingular Area (1/2xbxh)(1/2x5x1.2 =3.00 sqm)	2	2	3.00			12.00		
	Deduction								

S.No.	PARTICULAR	NO.		L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
	W	1	4	1.20		1.20	-5.76			
	Rolling Shutter	1	1	3.77		2.10	-7.92			
	(BUILDING SOR ITEM NO.- 11.3)						198.44	Sqm	113.00	22423.38
11	Supplying and fixing rolling shutter of approved makes made of M.S. laths interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and out side locking with push and pull arrangement complete but excluding the cost of top cover and spring.									
	Rolling Shutter	1	1	3.77		2.10	7.92	Sqm	1691.00	13387.65
	(BUILDING SOR ITEM NO.- 9.27.1)									
12	Providing and fixing 27.5cm long wire spring for rolling shutters.									
	(BUILDING SOR ITEM NO.- 9.28)						2.00	each	362.00	724.00
13	Providing and fixing M.S. sheet top cover for rolling									
	(BUILDING SOR ITEM NO.- 9.29)	1	1	3.77			3.77	Sqm	540.00	2035.80
14	Providing and fixing ball bearing for rolling shutters									
	(BUILDING SOR ITEM NO.- 9.30)						2.00	each	423.00	846.00
15	9.15 Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat welded to frame with all necessary fitting complete including applying a priming of red oxide zinc chromate									
	W	1	4	1.20		1.20	5.76			
	For Qty of steel= Area $\times$ 25.0 kg/Sqm	5.76	X	25.00			144.00	kg	67.50	9720.00
	(BUILDING SOR ITEM NO.- 9.15)									
16	9.51 Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete. (Cost of aluminium snap beading shall be paid in basic item):									
	With float glass panes of 5 mm thickness						5.76	Sqm	708.00	4078.08
	(BUILDING SOR ITEM NO.- 9.51)									
17	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer. 9.3.2 Electric resistance or induction butt welded tubes									
	Purlin Tie beam NB 50mm Dia	1.00	16.00	15.00	@	5.44	1305.60			
	principal rafter NB 65, 5.16 mm thick	5.00	2.00	5.60	@	8.63	483.28			
	bottom chord	5.00	1.00	11.20	@	8.63	483.28			
	Post NB 65	5.00	2.00	1.20	@	8.63	103.56			

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT AYODHYAPURI WARD NO - 46 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" EXTERNAL C.C. FLOORING "

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DETAILED ESTIMATE FOR PROPOSED WORK OF " SLRM CENTRE AT AYODHYAPURI WARD NO - 46 " NAGAR PALIKA NIGAM, KORBA (C.G.)
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" C.C. ROAD 4.00 M WIDE "

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DETAILED ESTIMATE FOR PROPOSED WORK OF " SLRM CENTRE AT AYODHYAPURI WARD NO - 46 " NAGAR PALIKA NIGAM, KORBA (C.G.)

DETAILED ESTIMATE FOR CONSTRUCTION OF WET WASTE TIPPING SHED (5.00MX6.00M)

Based on C. G. P.W.D BUILDING S.O.R. IN FORCE FROM 1 JAN 2015

SN	DESCRIPTION OF ITEM	NO	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
			L	B	H/D				
I	II	III	IV	V	VI	VII	VIII	IX	X
1	1.1 Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and level								
	1.1.1 In all types of soils.								
	F1(1500X1500)	8	1.50	1.50	1.50	27.00			
	total					27.00	185.00	cum	4,995.00
2	1.18 Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc complete.								
	Footing								
	F1(1500X1500)	8	1.50	1.50	0.10	1.80			
	total					1.80	371.00	cum	667.80
3	3.1 Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	3.1.3 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
	Footing								
	F1(1500X1500)	8	1.50	1.50	0.10	1.80			
	total					1.80	2970.00	cum	5,346.00
4	7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:								
	7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse								
	Below Plinth Level								
	L Wall	4	2.14	0.30	0.30	0.77			
	X Wall	4	2.64	0.30	0.30	0.95			
		1	4.58	0.30	0.30	0.41			
	total					2.13	3263.00	cum	6,959.98

SN	DESCRIPTION OF ITEM		NO	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
5	2.1 Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal									
	2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.									
	Footings									
	F1(1500X1500)	2	8	1.30		0.15	3.12			
		2	8		1.30	0.15	3.12			
	Column upto G L									
	C1(300X300)	2	8	0.30		0.65	3.12			
		2	8	0.30		0.65	3.12			
	Column above G L									
	C1(300X300)	2	8	0.30		0.30	1.44			
		2	8	0.30		0.30	1.44			
	Plinth Beam									
	L Wall	2	4	2.14		0.30	5.14			
	X Wall	2	4	2.64		0.30	6.34			
		2	1	4.58		0.30	2.75			
	total						29.58	139.00	sqm	4,111.62
6	3.2 Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works up to plinth level excluding cost of form work									
	3.2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).									
	F1(1500X1500)		8	1.30	1.30	0.20	2.70			
	0.3/6*((1.2*1.2)+(0.3*0.2)+(4*(1.2+0.3)/2*(1.2+0.2)/2))		8			0.20	1.60			
	Subtotal a						4.30			
	Column upto G L									
	C1(300X300)		8	0.30	0.30	0.65	0.47			
	Subtotal b						0.47			
	Column above G L									
	C1(300X300)		8	0.30	0.30	0.30	0.22			
	Subtotal c						0.22			
	Plinth Beam									
	L Wall		4	2.14	0.30	0.30	0.77			
	X Wall		4	2.64	0.30	0.30	0.95			
			1	4.58	0.30	0.30	0.41			

SN	DESCRIPTION OF ITEM		NO	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
	Subtotal d						2.13			
	total (a+b+c)						7.12	4163.00	cum	29,644.72
7	3.12 Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:									
	3.12.1 Thermo-Mechanically treated bars FE 415									
	Footing			4.30	1.00	78.50	337.86			
	Column			0.68	1.00	78.50	53.69			
	Plinth Beam			2.13	1.00	78.50	167.44			
	total						559.00	54.50	Kg	30,465.42
8	1.17 Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M.									
	Total qty of excavation - sand filling+PCC+RCC upto GL						16.28			
	total						16.28	38.15	cum	621.04
9	11.2 Providing and making 12mm thick cement plaster of mix: 11.2.4 In Cement Mortar 1:6 (1 cement : 6 fine C1(300X300)	4	8	0.30		0.30	2.88			
	total						2.88	91.50	sqm	263.52
10	11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick 11.3.3 In Cement Mortar 1:5 (1 cement : 5 fine sand) External Wall	1 1	2 2	5.00 6.00		0.60 0.60	6.00 7.20			
	total						13.20	113.00	sqm	1,491.60

SN	DESCRIPTION OF ITEM		NO	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
11	14.9 Distempering with acrylic washable distemper to give an even shade. 14.9.1 On new work (Two or more coats) Area of Internal Wall Area of Plaster						2.88			
	total						2.88	38.00	sqm	109.44
12	14.14 Finishing walls with water proofing cement paint of required shade to give an even 14.14.1 On new work (Two or more coats applied @ 3.84 kg/10 sqm) External Wall Area of External Plaster						13.20			
	total						13.20	41.00	sqm	541.20
13	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if 9.3.1 Electric resistance or induction butt welded tubes Grade-250 PWD S.O.R.-P-80/I-9.3.1 150Dia Pole @21.30kg/meter Truss On Shed Tie Beam 50mm dia @6.19Kg/meter Rafter 50mm dia @6.19Kg/meter Intermediate members 50mm dia @6.19Kg/meter Purlins 40mm dia @ 4.37Kg/meter (On Top) Gusset Plate, Fixing Bolt and Base Plate Etc									
		1	8	4.50	21.30	-	766.80			
		4	1	7.00	6.19	-	173.32			
		4	2	4.35	6.19	-	215.41			
		4	2	4.60	6.19	-	227.79			
		2	2	8.00	4.37	-	139.84			
							180.00			
	total						1703.16	88.50	Kg	150,729.66

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SN	DESCRIPTION OF ITEM		NO	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
	Rain water Pipe		4	4.50			18.00			
	total						18.00	267.00	mtr	4,806.00
19	12.4 52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic		1	5.00	6.00		30.00			
	total						30.00	441.00	sqm	13,230.00
									Total	338,128.04
									Add 3% Electrical and Plumbing Work	10,143.84
									SUB TOTAL	348,271.89

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT AYODHYAPURI WARD NO - 46 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

"BOUNDARY WALL WITH CHAIN LINKED FENCING - 120.00 M"

S.No.	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	(SOR ITEM NO.-1.1.1/9)								
	1.1.1) In all types of soil								
	F1	20	1.20	1.20	1.50	43.20			
						43.20	CUM	185.00	7992.00
2	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	F1	20	1.20	1.20	0.10	2.88			
	(BUILDING SOR. ITEM NO.-1.18/11)					2.88	CUM	371.00	1068.00
2	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work.								
	(SOR. ITEM NO.- 3.1.3/23)								
	3.1.3) 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
		20	1.20	1.20	0.10	2.88			
						2.88	CUM	2970.00	8554.00
3	Providing and laying nominal mix reinforced cement concrete with crushed graded stone aggregate 20mm nominal size using batching plant, transit mixer and concrete pump, in all works upto plinth level excluding cost of form work.								
	(SOR. ITEM NO.- 3.2.1/23)								
	3.4.2) 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	Column footing	20	0.90	0.90	0.20	3.24			
	Ground Beam	1	69.00	0.20	0.30	4.14			
	Column upto Ground level -								
	C1-	20	0.20	0.20	0.60	0.48			
	Column above Ground level -								
	C1-	20	0.20	0.20	0.90	0.72			

S.No.	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
						8.58	CUM	4163.00	35719.00
7	Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:								
	(SOR. ITEM NO.-3.4/23)								
						0.72	CUM	97.50	70.00
8	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete:								
	(SOR. ITEM NO.-3.12.1/24)								
	3.12.1)Thermo-Mechanically treated bars FE 415					8.58			
		Quantity as per item N							
						@ 80 kg/cum			
						686.40	KG	54.50	37408.80
9	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
	(SOR ITEM NO.-2.1.1/16)								
	Foundations, footings, base of columns and plinth beam in any shape and size.								
	Footing	4x20	0.90		0.20	14.40			
	Column upto Ground level -	4x20	0.20		0.60	9.60			
	Ground Beam	2	69.00		0.20	27.60			
						51.60	SQM	139.00	7172.00
	Columns, Pillars, Piers and likes- rectangular or square in shape								
	(SOR ITEM NO.- 2.1.5/16)								
	Column above Ground level -	4x20	0.20		0.90	14.40			
						14.40	SQM	297.00	4277.00
10	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:12894-2002 of class designation 40 in foundation and plinth in:								
	(SOR. ITEM NO.- 7.5.4/45)								
	Cement Mortar 1:6 (1 cement : 6 coarse sand)								
	Extra for brick work in superstructure:								
	Above plinth and upto floor five level								
	(SOR. ITEM NO.- 7.6/45)								
		1	67.00	0.20	0.90	12.06			
								(3263+121)	
						12.06	CUM	3384.00	40811.04
11	Providing and making 12mm.thick cement plaster of mix : In Cement Mortar 1:6 (1 Cement : 6 fine Sand)								
		2	67.00		1.00	134.00			
	(BUILDING SOR. ITEM NO.-11.2/103)					134.00	SQM	91.50	12261.00
12	White washing with lime to give an even shade.								
	a) On new work (Three or more coats)								
	(SOR. ITEM NO.-14.5.1/132)								
						134.00	SQM	9.40	1259.60
13	Painting exterior surface with TEXTURED exterior paint of								
	On new work (Two or more coats applied @ 3.28 ltr/10 sqm)	2.00	67.00	1.00		134.00			
						134.00	SQM	140.00	18760.00

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT AYODHYAPURI WARD NO - 46 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

(Building SOR Items) W.E.F. - 01/01/2015

S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RATE	AMOUNT
SLRM FLOORING WORK										
8	(BUILDING SOR ITEM NO. 12.49/118)	25 mm thick KOTA stone slab flooring over 20mm (Average) thick base of cement mortar 1:4 laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including grinding rubbing and polishing etc. complete (Area of slab to be over 0.20 SQ.M and upto 0.50 SQ.M)								
			1.00	12.00	27.00	-	324.00			
		Add 10% Extra					32.40			
							356.40	SQ.M	897.00	319690.80
SLRM PAINTING WORK										
9	As per Ammendment no 08, 05/05/2025 item no.16.62	Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applied @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Pomise sheen, Neroloc Litol Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article								
		INSIDE	2	24	-	1.2	57.60			
			1	9	-	1.2	10.80			
			3	12	-	3	108.00			
			6	3	-	3	54.00			
		Door Deduct	3	3	-	2.1	18.90			
			4	0.9	-	2.1	7.56			
						Total	203.94	Sqm	64.00	13052.16
10	As per Ammendment no 08, 05/05/2025 item no.14.67	Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S, Code 15489:2013 Type 2 Class D,C (Glossy /Semi Glossy finish) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools								
		OUTSIDE	2	24	-	1.2	57.60			
			1	9	-	1.2	10.80			
			1	20	-	3	60.00			
		Door Deduct	3	3	-	2.1	18.90			
						Total	109.50	Sqm	70.00	7665.00

S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RATE	AMOUNT
11	As per Ammendment no 08, 05/05/2025 item no.14.74	Providing and applying priming coat on steel work with red Oxide/ zinc phosphate primer applied @ 0.50 lit /Sqm as per relevant code 3536:1999 (product such as Asian Zinc phosphate , Dulux Steel primer, Burger Red oxide primer) with all tools tackles and labour etc. complete for the work.								
		Premium synthetic enamel paint								
		On Steel								
		SLRM Pole & Fence	2	19.0	2.00		76.00			
			1	12.0	2.00		24.00			
		Door	1	3.0	2.10		6.30			
			1	2.0	2.10		4.20			
					Total		110.50			
		Add 20% Extra					22.10			
				Sub Total			132.60	Sqm	35.00	4641
12	As per Ammendment no 08, 05/05/2025 item no.14.76	Providing and applying Aluminium paint minimum 2 coats in all metal surface applying @ 0.75 li/ 10 Sqm up to required finish as per relevent I.S. code 2932: 2013 of (Product such as Asian Apcolite aluminium paint, Dulux Aliminium paint, Burger Superior Aluminium Paint) with all tools tackle and labour etc. complete for					132.60	sqm	43.00	5701.80
EXTERNAL FLOORING										
	(BUILDING SOR ITEM NO.12.4/111)	52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic hardening compound of approved quality mixed with cement in ratio of 4:1 (4 cement : 1 metallic floor hardening compound by weight) including finishing etc.								
			1.00	40.00	4.00	-	160.00	SQ.M	441.00	70560.00
									TOTAL	421310.76

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT AYODHYAPURI WARD NO - 46 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" RAIN WATER HARVESTING (1.00X1.00X1.20 M) "

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT AYODHYAPURI WARD NO - 46 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

SANITARY REPAIRING

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same colour), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	18.4.2 Coloured pedestal type	1	-	-	-	1.00	EACH	3592.00	3,592.00
	(BUILDING SOR ITEM NO.-18.4/161)								
2	18.1 Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	Coloured Orissa pattern W.C. pan of size 580x440 mm	1	-	-	-	1.00	EACH	3545.00	3,545.00
	(BUILDING SOR ITEM NO.-18.1/160)								
3	Providing and fixing 10 litre capacity P.V.C. low level flushing cistern conforming to IS : 7231, with all fittings and fixtures complete.								
	18.7.2 Coloured	2	-	-	-	2.00	EACH	837.00	1,674.00
	(BUILDING SOR ITEM NO.-18.7/161)								
4	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :								
	Coloured Size 550x450 mm	1	-	-	-	1.00	EACH	1894.00	1,894.00
	(BUILDING SOR ITEM NO.-18.17/162)								
5	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc								
	18.76.1 75 mm dia pipe.	1	5.00	-	-	5.00	MTR	182.00	910.00
	18.76.2 110 mm dia pipe.	1	5.00	-	-	5.00	MTR	267.00	1,335.00
	(BUILDING SOR ITEM NO.-18.76/170)								
6	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.								
	Tee/ Tee with door/ Bend 45°/ Bend 90°								
	18.77.1.1 75 mm	5	-	-	-	5.00	EACH	113.00	565.00
	18.77.1.2 110 mm	5	-	-	-	5.00	EACH	154.00	770.00
	Vent covel								
	18.77.3.1 75 mm	4	-	-	-	4.00	EACH	34.00	136.00
	18.77.3.2 110 mm	4	-	-	-	4.00	EACH	44.00	176.00
	Access door cap								
	18.77.4.1 75 mm	10	-	-	-	10.00	EACH	49.50	495.00
	18.77.4.2 110 mm	10	-	-	-	10.00	EACH	59.00	590.00
	18.77.6 Nahani Trap 110	10	-	-	-	10.00	EACH	90.50	905.00
	(BUILDING SOR ITEM NO.-18.77/170)								

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
7	Providing and fixing UV stabilized Unplasticised PVC pipe clips of approved design to Rigid PVC pipes by means of 50 x 50 x 50 mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1cement :4 coarse sand) and making good the wall etc. complete.								
	18.78.1 75 mm	10	-	-	-	10.00	EACH	57.00	570.00
	18.78.2 110 mm	10	-	-	-	10.00	EACH	61.00	610.00
	(BUILDING SOR ITEM NO.-18.78/171)								
8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.CONCEALED WORK including cutting chases and making good the walls etc.,								
	19.5.1 15 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	133.00	665.00
	19.5.2 20 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	167.00	835.00
	(BUILDING SOR ITEM NO.-19.5/176)								
9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.INTERNAL WORK - EXPOSED ON WALL.								
	19.4.3 25 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	199.00	995.00
	19.4.4 32 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	271.00	1,355.00
	19.4.5 40 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	362.00	1,810.00
	(BUILDING SOR ITEM NO.-19.5/176)								
10	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete:								
	19.7.6 50 mm dia. nominal bore	1	5.00	-	-	5.00	MTR	471.00	2,355.00
	(BUILDING SOR ITEM NO.-19.7/177)								
11	Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:								
	19.14.1 Bib cock (400 grams)	2	-	-	-	2.00	EACH	382.00	764.00
	19.14.6 Stop cock (concealed) (600 grams)	2	-	-	-	2.00	EACH	494.00	988.00
	19.14.4 Piller Cock (400 grams)	2	-	-	-	2.00	EACH	398.00	796.00
	19.14.14 Soap dish plate	2	-	-	-	2.00	EACH	163.00	326.00
	(BUILDING SOR ITEM NO.-19.14/179)								
12	Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.								
	18.25.2 40 mm dia								
	(BUILDING SOR ITEM NO.-18.25.2/164)	4	-	-	-	4.00	EACH	88.50	354.00
13	Providing and fixing 600x450 mm beveled edge 4mm mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.								
	(BUILDING SOR ITEM NO.-18.29/164)	2	-	-	-	2.00	EACH	599.00	1,198.00

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
14	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :								
	18.30.1 5mm thick mirror								
	(BUILDING SOR ITEM NO.-18.30/164)	2	0.60	0.60	-	0.72	SQ.M	2016.00	1,452.00
15	Making connection of G.I. distribution branch in G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete: (dia of main line to be measured)								
	19.10.4 50 mm nominal bore	5	-	-	-	5.00	EACH	347.00	1,735.00
	(BUILDING SOR ITEM NO.-19.10/178)								
16	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):								
	19.16.4 50 mm nominal bore	2	-	-	-	2.00	EACH	762.00	1,524.00
	(BUILDING SOR ITEM NO.-19.16/179)								
17	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :								
	20.1.1 100 mm diameter	1	10.00	-	-	10.00	MTR	162.00	1,620.00
	(BUILDING SOR ITEM NO.-20.1/189)								
18	Providing and constructing brick masonry chamber for underground pipe and and bends with well burnt modular clay bricks crushing strength not less than 35kg/cm2 in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) R.C.C. top slab with 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20 mm nominal size) foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design :								
	20.28.1 Inside dimensions 455x610 mm and 45 cm deep for single pipe line :	1	-	-	-	1.00	EACH	3796.00	3,796.00
	(BUILDING SOR ITEM NO.-20.28/194)								
19	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.								
	(BUILDING SOR ITEM NO.- 19.42/184)	1.00	-	-	-	1000.00	LTR	7.30	7,300.00
								Total Rs.	47,635.00

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT DARRIKHAR WARD NO - 52 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" Baled & Recyclable Material Storage Room "

S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	1.2	Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed								
		Plot Area	1	13.50	7.00	-	94.50			
						Total	94.50	Sqm	7.20	680.00
2	1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and								
	1.1.1	In all types of soil								
		Footing								
		F1	8	1.50	1.50	1.80	32.40			
		Below Plinth								
		Long Wall	2	10.70	0.40	0.20	1.71			
		Short Wall	2	4.40	0.40	0.20	0.70			
		step	1	1.20	1.00	0.20	0.24			
						Total	35.05	Cum	185.00	6484.00
3	2	Extra for every additional lift of 1.5 m or part thereof.								
	1.6.1	All types of soil								
		F1	8	1.50	1.50	0.30	5.40			
						Total	5.40	Cum	26.50	143.00
4	1.17	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.								
		Filling At Side 60%					21.03			
						Total	21.03	Cum	65.00	1367.00
5	1.18	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing								
		F1	8	1.50	1.50	0.10	1.80			
		Floor	1	11.10	4.60	0.50	25.53			
		step	1	1.20	1.00	0.20	0.24			
		Long Wall	2	10.70	0.40	0.10	0.86			
		Short Wall	2	4.40	0.40	0.10	0.35			
						Total	28.78	Cum	371.00	10677.00

S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
6	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	3.1.3	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
		Below Footing								
		F1	8	1.50	1.50	0.10	1.80			
		Floor Area	1	10.70	4.40	0.10	4.71			
		Below Plinth Beam								
		Long Wall	2	10.70	0.30	0.10	0.64			
		Short Wall	2	4.40	0.30	0.10	0.26			
		step	1	1.20	1.00	0.10	0.12			
						Total	7.53	Cum	2970.00	22364.00
7	3.13	Providing and laying damp proof course (upto 50mm thick) with plain cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20mm nominal size) including form work.								
		Long Wall	2	10.70	0.20	0.05	0.21			
		Short Wall	2	4.40	0.20	0.05	0.09			
						Total	0.30	Cum	4237.00	1271.00
8	3.15	Applying a coat of hot bitumen VG-10 using @ 1.7kg/ sqm on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.								
		Long Wall	2	10.70	0.20	-	4.28			
		Short Wall	2	4.40	0.20	-	1.76			
						Total	6.04	Sqm	93.50	565.00
9	3.2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of								
	3.2.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
		Footing								
		F1	8	1.20	1.20	0.30	3.46			
		Column (Upto Ground Level)								
		C1	8	0.20	0.30	1.30	0.62	2.15		
		Column(Ground Lvl to Plinth Lvl)								
		C1	8	0.20	0.30	0.60	0.29			
		Column (Abv. Plinth Top to GF Slab								
		C1	8	0.20	0.30	3.10	1.49			
		Plinth Beams								
		Outer at Ground Lvl								
		Long Wall	2	10.70	0.20	0.45	1.93			
		Short Wall	2	4.40	0.20	0.45	0.79			
		Lintel Beam								
		Long Wall	1	10.70	0.20	0.15	0.32			
		Chajja								
		Long Wall	1	11.50	0.60	0.075	0.52			

S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
		Slab Beam								
		Long Wall	2	10.70	0.20	0.45	1.93			
		Short Wall	4	4.40	0.20	0.45	1.58			
		Slab								
		All Area	1	10.90	4.80	0.125	6.54			
						Total	19.47	Cum	4163.00	81054.00
10	3.12	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all								
	3.12.1	Thermo-Mechanically treated bars FE 415								
		As per Item No-	1	19.47	-	-	19.47			
						Total	19.47	Cum		
		@ 100kg /Cum of Concrete	1	19.47	x	100.00	1947.00			
						Total	1947.00	Kg	54.50	106112.00
11	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
	2.1.1	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
		Footing								
		F1	8	4.80	-	0.30	11.52			
		Column (Upto Ground Level)								
		C1	8	1.00	-	1.30	10.40			
		Column(Ground Lvl to Plinth Lvl)								
		C1	8	1.00	-	0.60	4.80			
		Plinth Beams								
		Outer at Ground Lvl								
		Long Wall	2	10.70	-	0.90	19.26			
		Short Wall	2	4.40	-	0.90	7.92			
						Total	53.90	Sqm	139.00	7492.00
	2.1.5	Columns, Pillars, Piers and likes- rectangular or square in shape								
		Column (Abv. Plinth Top to GF Slab Top)								
		C1	8	1.00	-	3.10	24.80			
						Total	24.80	Sqm	297.00	7366.00
	2.1.13	Weather shade, chhajja, Cornices and mouldings								
		Long Wall	1	11.50	0.60	-	6.90			
		Side	1	12.70	-	0.10	1.27			
						Total	8.17	Sqm	294.00	2402.00
	2.1.8	Beams, lintels, cantilevers & walls								
		Lintel Beam								
		Long Wall	2	10.70	-	0.15	3.21			
		Slab Beam								
		Long Wall	4	10.70	-	0.45	19.26			
		Short Wall	8	4.40	-	0.45	15.84	35.10		
						Total	38.31	Sqm	202.00	7739.00

[illegible]

S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
14	9.47	Providing and fixing aluminium work for doors, windows, ventilators and partitions made out of extruded aluminium standard sections (main section with minimum 1.5mm thickness) conforming to IS: 733, IS: 1285 mitred and jointed mechanically including aluminium cleats, neoprene weather stripping gasket beveled edge beading, screws duly fixed in wall/ floor with fixing clips or hold fasteners or bolts and nuts as required aluminium sections shall be anodized transparent or dyed to approved shade according to IS: 1868, minimum anodic coating shall be of grade AC-15. (Glazing to be paid for separately:								
	9.47.2	For shutter of doors, windows & ventilators including providing and making provision for fixing of fitting wherever required including the cost of PVC/ neoprene gasket required (Fittings shall be paid for separately).								
		W	2	1.50	-	1.20	3.60			
						Total	3.60	Sqm		
		For Weight	1	3.60	x	15.00	54.00	Kg		
						Total	54.00	Kg	338.00	18252.00
15	12.79.1 AS PER AMM ENDM ENT	Providing and laying vitrified floor tiles with double charge/ multi charge printing with water absorption less than 0.5% and conforming to IS : 15622 of approved make in all colours and shades and size mentioned below (+/- 10mm), laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.								
		12.79.1 Size 600x600mm								
		area								
			1	11.10	4.60		51.06			
						Total	51.06	Sqm	1082.00	55247.00
11	12.50	KOTA stone slab 25mm thick in risers and treads of steps, skirting dado and pillar laid in 12mm (Average) thick cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete. (single stone is to be used for riser and treads of steps and the width of stone for skirting and dado shall be equal to the height of skirting/ dado up to length of 1.0 M.)								
		Steps	4.00	1.20	0.75		3.60			

S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
							3.60	sqm	990.00	3564.00
16	11.1	Providing and making 6mm thick cement plaster of mix:								
	11.1.2	In Cement mortar 1:4 (1 cement : 4 fine								
							24.80			
							8.17			
							35.10			
							54.24			
			1	32.20		0.125	4.03			
						Total	126.34	Sqm	87.00	10991.00
17	11.2	Providing and making 12mm thick cement plaster of mix:								
	11.2.4	In Cement Mortar 1:6 (1 cement : 6 fine								
			2	11.10		3.00	66.60			
			2	4.60		3.00	27.60			
		Deduction								
		D	2	1.20		2.10	-5.04			
		W	2	1.50		1.20	-3.60			
						Total	85.56	Sqm	91.50	7829.00
18	11.3	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:								
	11.3.4	In Cement Mortar 1:6 (1 cement : 6 fine								
		Outer Plaster								
		Long Wall	2	11.50	-	5.10	117.30			
		Short Wall	2	5.00	-	5.10	51.00			
		Deduction								
		D	2	1.20		2.10	-5.04			
		W	2	1.50		1.20	-3.60			
						Total	159.66	Sqm	107.00	17084.00
19	14.1	14.13 Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even.								
		As per item No-	16	-	-	-	126.34			
		As per item No-	17	-	-	-	85.56			
		As per item No-	18	-	-	-	159.66			
						Total	371.56	Sqm	94.50	35112.00
20	14.12	Applying one coat of cement primer on wall surface (applied @ 0.80 litres/10 sqm) complete.								
				-	-	-	371.56			
						Total	371.56	Sqm	23.00	8546.00
21	14.9	Distempering with acrylic washable distemper to give an even shade.								
	14.9.1	On new work (Two or more coats)								
				-	-	-	85.56			
				-	-	-	126.34			
						Total	211.90	Sqm	38.00	8052.00

S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
22	14.15	Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with:								
	14.15.1	On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)								
				-	-	-	159.66			
						Total	159.66	Sqm	56.00	8941.00
23	4.21	Providing post water proofing treatment against dampness & Seepage in roof, terraces, sunken floor of toilets with reinforced acrylic breathable (polymer content 35%, elongation at break at > 100%) coating consisting of following operations: i) Removing loose material and cleaning the surface. ii) Priming in one coat with water based acrylic emulsion. iii) Three coats with reinforced acrylic breathable polymer								
			1	11.50	5.00		57.50			
						Total	57.50	Sqm	611.00	35133.0
24	8.3	Providing 40x5mm iron hold fast 40cm long including fixing to frame with 10mm bolts nuts and wooden plug and embedding in Cement Concrete 1:2:4 in blocks of size 30x10x15cm.								
		DOOR	12	-	-	-	12.00			
						Total	12.00	Each	72.50	870.0
25	8.12	Providing and fixing flush door shutters, conforming to IS : 2202 (Part-I), decorative type core of block board construction with frame of first class hard wood and well matched teak ply veneering with vertical grains or cross bands and face veneers on both faces of shutters excluding hinges.								
	8.12.2	35 mm. thick (single leaf)								
	8.15	Extra for double leaf shutter instead of single leaf.								

S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
		Providing post water proofing treatment against dampness & Seepage in roof, terraces, sunken floor of toilets with reinforced acrylic breathable (polymer content 35%, elongation at break at > 100%) coating consisting of following operations: i) Removing loose material and cleaning the surface. ii) Priming in one coat with water based acrylic emulsion. iii) Three coats with reinforced acrylic	2	1.20	-	2.10	5.04			
						Total	5.04	Sqm	2057.00	10367.0
26	8.58	Providing and fixing bright finished brass butt hinges with brass polished MS screws complete:								
	8.58.2	100x85x5.50 mm (Heavy Type)								
		Providing post water proofing treatment aga	12	-	-	-	12.00			
						Total	12.00	Each	195.00	2340.0
27	8.60	Providing and fixing bright finished brass sliding door bolt with nuts and brass polished MS screws complete:								
	8.60.2	250x16mm								
		Providing post water proofing treatment aga	2	-	-	-	2.00			
						Total	2.00	Each	344.00	688.0
28	8.61	Providing and fixing brass door latch with brass polished MS screws complete:								
	8.61.2	250x16x5 mm								
		Providing post water proofing treatment aga	2	-	-	-	2.00			
						Total	2.00	Each	268.00	536.00
29	8.62	Providing and fixing bright finished brass tower bolts (barrel type) with brass polished MS screws complete:								
	8.62.2	200x10mm								
		Providing post water proofing treatment aga	2	-	-	-	2.00			
						Total	2.00	Each	231.00	462.0
30	8.65	Providing and fixing bright finished brass door handles with brass polished MS screws complete:								
	8.65.1	125 mm								
			4	-	-	-	4.00			
						Total	4.00	Each	55.50	222.0
31	9.15	Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat welded to frame with all necessary fitting complete including applying a priming of red oxide zinc chromate primer.								
			2	1.50	-	1.20	3.60			
							3.60	Sqm		
		For Qty of steel= Areax30.0 kg/Sqm	1	3.60	x	30.00	108.00			
						Total	108.00	kg	67.50	7290.0

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT DARRIKHAR WARD NO - 52 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" EXTERNAL C.C. FLOORING "

[illegible]

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT DARRIKHAR WARD NO - 52 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" C.C. ROAD 4.00 M WIDE "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Excavation in Soil (by Mechanical Means.) Excavation for roadway in soil using mechanical means including loading in tipper for carrying of cut earth to embankment site and unloading with all lifts and lead upto 1000 meters as per relevant clauses of section 300.								
	Internal Road	1	45.00	4.00	0.40	72.00			
	Approach Road	1	80.00	4.00	0.40	128.00			
	(PWD ROAD SOR NO. 3.2/11)					200.00	CUM	103.00	20600.00
2	Granular Sub-base as per Table :- 400-1 Construction of granular sub base by providing close graded material carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface watering rolling and compacting with vibratory power roller at OMC to achieve the desired density complete as per clause 401								
	A Plant mix method (with Mechanically crushed stone only) (ii) Grading-IV Material								
	Internal Road	1	45.00	4.00	0.20	36.00			
	Approach Road	1	80.00	4.00	0.20	64.00			
	(PWD ROAD ITEM NO.-4.1(A)ii/17)					100.00	CUM	1586.00	158600.00
3	Dry Lean Cement Concrete Sub- base (Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ CUM, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing.)								
	Internal Road	1	45.00	4.00	0.10	18.00			
	Approach Road	1	80.00	4.00	0.10	32.00			
	(PWD ROAD SOR NO.-6.3/32)					50.00	CUM	3449.00	172450.00
4	Providing and laying Un-reinforcement Concrete without Dowel bar including formwork, and expansion contraction & longitudinal joint as per design and as per IRC-62-2014 over a prepared base as per approved mix design and finishing to line and grade as per drawing for pavement thickness less than 200mm in Low Volume Road P.C.C. Grade M-30 with minimum Cement Content @375kg/cum								
	Internal Road	1	45.00	4.00	0.20	36.00			
	Approach Road	1	80.00	4.00	0.20	64.00			
	(PWD ROAD SOR NO.-6.4/33)					100.00	CUM	4748.00	474800.00
								Total Rs.	826450.00

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT DARRIKHAR WARD NO - 52 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

"BOUNDARY WALL WITH CHAIN LINKED FENCING - 100.00 M"

S.No.	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	(SOR ITEM NO.-1.1.1/9)								
	1.1.1) In all types of soil								
	F1	29	1.20	1.20	1.50	62.64			
						62.64	CUM	185.00	11588.00
2	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	F1	29	1.20	1.20	0.10	4.18			
	(BUILDING SOR. ITEM NO.-1.18/11)					4.18	CUM	371.00	1549.00
2	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work.								
	(SOR. ITEM NO.- 3.1.3/23)								
	3.1.3) 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
		29	1.20	1.20	0.10	4.18			
						4.18	CUM	2970.00	12403.00
3	Providing and laying nominal mix reinforced cement concrete with crushed graded stone aggregate 20mm nominal size using batching plant, transit mixer and concrete pump, in all works upto plinth level excluding cost of form work.								
	(SOR. ITEM NO.- 3.2.1/23)								
	3.4.2) 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	Column footing	29	0.90	0.90	0.20	4.70			
	Ground Beam	1	100.00	0.20	0.30	6.00			
	Column upto Ground level -								
	C1-	29	0.20	0.20	0.60	0.70			
	Column above Ground level -								
	C1-	29	0.20	0.20	0.90	1.04			
						12.44	CUM	4163.00	51779.00
7	Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:								
	(SOR. ITEM NO.-3.4/23)								
						1.04	CUM	97.50	102.00
8	Providing and placing in position reinforcement for R.C.C.								

S.No.	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
	work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete:								
	(SOR. ITEM NO.-3.12.1/24)								
	3.12.1)Thermo-Mechanically treated bars FE 415					12.44			
		Quantity as per item No.-4							
			@ 80 kg/cum			995.04	KG	54.50	54229.68
9	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
	(SOR ITEM NO.-2.1.1/16)								
	Foundations, footings, base of columns and plinth beam in any shape and size.								
	Footing	4x29	0.90		0.20	20.88			
	Column upto Ground level -	4x29	0.20		0.60	13.92			
	Ground Beam	2	100.00	-	0.20	40.00			
						74.80	SQM	139.00	10397.00
	Columns, Pillars, Piers and likes- rectangular or square in shape								
	(SOR ITEM NO.- 2.1.5/16)								
	Column above Ground level -	4x29	0.20		0.90	20.88			
						20.88	SQM	297.00	6201.00
10	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:12894-2002 of class designation 40 in foundation and plinth in:								
	(SOR. ITEM NO.- 7.5.4/45)								
	Cement Mortar 1:6 (1 cement : 6 coarse sand)								
	Extra for brick work in superstructure:								
	Above plinth and upto floor five level								
	(SOR. ITEM NO.- 7.6/45)								
		1	97.00	0.20	0.90	17.46			
							(3263+121)		
						17.46	CUM	3384.00	59084.64
11	Providing and making 12mm.thick cement plaster of mix : In Cement Mortar 1:6 (1 Cement : 6 fine Sand)								
		2	97.00		1.00	194.00			
	(BUILDING SOR. ITEM NO.-11.2/103)					194.00	SQM	91.50	17751.00
12	White washing with lime to give an even shade.								
	a) On new work (Three or more coats)								
	(SOR. ITEM NO.-14.5.1/132)								
						194.00	SQM	9.40	1823.60
13	Painting exterior surface with TEXTURED exterior paint of On new work (Two or more coats applied @ 3.28 ltr/10 sqm)	2.00	97.00	1.00		194.00			
						194.00	SQM	140.00	27160.00
	(SOR. ITEM NO.-14.22.2/132)								
14	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.								
	9.6.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.								
	Top Rail	1.00	97.00	-	-	97.00			
			3.80 KG/MTR			368.60			

S.No.	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
	Vertical- post-	1.00	29.00	-	1.50	43.50			
		14.80 KG/MTR				643.80			
						1012.40	KG	68.00	68843.20
	(BUILDING SOR. ITEM NO.- 9.6.2/80)								
15	Providing and fixing in position chain linked steel wire fabric made of 4 mm dia G.I. wire of required width in mesh to concrete/ wooden/ angle iron posts including securing and screwing with 2mm dia G.I. wire, G.I. staples, G.I.U-nails or steel pins etc., complete.								
		1.00	97.00	-	1.50	145.50			
	(BUILDING SOR ITEM NO.- 9.43.1/84)					145.50	SQ.M	331.00	48160.50
16	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.								
	(BUILDING SOR. ITEM NO.- 9.6.2/80)								
	GATE	1	6.00	3.00		18.00			
			30 KG/SQ.M			540.00	KG	68.00	36720.00
								Total Rs.	407791.62

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT DARRIKHAR WARD NO - 52 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

DETAILED ESTIMATE FOR CONSTRUCTION OF WET WASTE TIPPING SHED (5.00MX6.00M)

Based on C. G. P.W.D BUILDING S.O.R. IN FORCE FROM 1 JAN 2015

SN	DESCRIPTION OF ITEM		N O	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
1	1.1 Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and level									
	1.1.1 In all types of soils.									
	F1(1500X1500)		8	1.50	1.50	1.50	27.00			
	total						27.00	185.00	cum	4,995.00
2	1.18 Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc complete.									
	Footing									
	F1(1500X1500)		8	1.50	1.50	0.10	1.80			
	total						1.80	371.00	cum	667.80
3	3.1 Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form									
	3.1.3 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal									
	Footing									
	F1(1500X1500)		8	1.50	1.50	0.10	1.80			
	total						1.80	2970.00	cum	5,346.00
4	7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:									
	7.5.4 Cement Mortar 1:6 (1 cement : 6									
	Below Plinth Level									
	L Wall		4	2.14	0.30	0.30	0.77			
	X Wall		4	2.64	0.30	0.30	0.95			
			1	4.58	0.30	0.30	0.41			
	total						2.13	3263.00	cum	6,959.98

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SN	DESCRIPTION OF ITEM		N O	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
7	3.12 Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:									
	3.12.1 Thermo-Mechanically treated bars FE 415									
	Footing			4.30	1.00	78.50	337.86			
	Column			0.68	1.00	78.50	53.69			
	Plinth Beam			2.13	1.00	78.50	167.44			
	total						559.00	54.50	Kg	30,465.42
8	1.17 Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M.									
	Total qty of excavation - sand filling+PCC+RCC upto GL						16.28			
	total						16.28	38.15	cum	621.04
9	11.2 Providing and making 12mm thick cement plaster of mix:									
	11.2.4 In Cement Mortar 1:6 (1 cement : 6 C1(300X300)	4	8	0.30		0.30	2.88			
	total						2.88	91.50	sqm	263.52

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SN	DESCRIPTION OF ITEM		N O	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
18	18.76 Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers jointing with									
	18.76.2 110 mm dia pipe.									
	Rain water Pipe		4	4.50			18.00			
	total						18.00	267.00	mtr	4,806.00
19	12.4 52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of									
			1	5.00	6.00		30.00			
	total						30.00	441.00	sqm	13,230.00
Total										338,128.04
Add 3% Electrical and Plumbing Work										10,143.84
SUB TOTAL										348,271.89

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT DARRIKHAR WARD NO - 52 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

(Building SOR Items) W.E.F. - 01/01/2015

S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RATE	AMOUNT
SLRM FLOORING WORK										
8	(BUILDING SOR ITEM NO. 12.49/118)	25 mm thick KOTA stone slab flooring over 20mm (Average) thick base of cement mortar 1:4 laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including grinding rubbing and polishing etc. complete (Area of slab to be over 0.20 SQ.M and upto 0.50 SQ.M)								
			1.00	12.00	27.00	-	324.00			
		Add 10% Extra					32.40			
							356.40	SQ.M	897.00	319690.80
SLRM PAINTING WORK										
9	As per Ammendment no 08, 05/05/2025 item no.16.62	Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applied @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Pomise sheen, Neroloc Litol Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required								
		INSIDE	2	24	-	1.2	57.60			
			1	9	-	1.2	10.80			
			3	12	-	3	108.00			
			6	3	-	3	54.00			
		Door Deduct	3	3	-	2.1	18.90			
			4	0.9	-	2.1	7.56			
						Total	203.94	Sqm	64.00	13052.16
10	As per Ammendment no 08, 05/05/2025 item no.14.67	Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S. Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work								
		OUTSIDE	2	24	-	1.2	57.60			
			1	9	-	1.2	10.80			
			1	20	-	3	60.00			
		Door Deduct	3	3	-	2.1	18.90			
						Total	109.50	Sqm	70.00	7665.00

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DETAILED ESTIMATE FOR PROPOSED WORK OF " SLRM CENTRE AT DARRIKHAR WARD NO - 52 " NAGAR PALIKA NIGAM, KORBA (C.G.)
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" RAIN WATER HARVESTING (1.00X1.00X1.20 M) "

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT DARRIKHAR WARD NO - 52 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

SANITARY REPAIRING

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same colour), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	18.4.2 Coloured pedestal type	1	-	-	-	1.00	EACH	3592.00	3,592.00
	(BUILDING SOR ITEM NO.-18.4/161)								
2	18.1 Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	Coloured Orissa pattern W.C. pan of size 580x440 mm	1	-	-	-	1.00	EACH	3545.00	3,545.00
	(BUILDING SOR ITEM NO.-18.1/160)								
3	Providing and fixing 10 litre capacity P.V.C. low level flushing cistern conforming to IS : 7231, with all fittings and								
	18.7.2 Coloured	2	-	-	-	2.00	EACH	837.00	1,674.00
	(BUILDING SOR ITEM NO.-18.7/161)								
4	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls								
	Coloured Size 550x450 mm	1	-	-	-	1.00	EACH	1894.00	1,894.00
	(BUILDING SOR ITEM NO.-18.17/162)								
5	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS :								
	18.76.1 75 mm dia pipe.	1	5.00	-	-	5.00	MTR	182.00	910.00
	18.76.2 110 mm dia pipe.	1	5.00	-	-	5.00	MTR	267.00	1,335.00
	(BUILDING SOR ITEM NO.-18.76/170)								
6	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.								
	Tee/ Tee with door/ Bend 45°/ Bend 90°								
	18.77.1.1 75 mm	5	-	-	-	5.00	EACH	113.00	565.00
	18.77.1.2 110 mm	5	-	-	-	5.00	EACH	154.00	770.00
	Vent covel								
	18.77.3.1 75 mm	4	-	-	-	4.00	EACH	34.00	136.00
	18.77.3.2 110 mm	4	-	-	-	4.00	EACH	44.00	176.00
	Access door cap								
	18.77.4.1 75 mm	10	-	-	-	10.00	EACH	49.50	495.00
	18.77.4.2 110 mm	10	-	-	-	10.00	EACH	59.00	590.00
	18.77.6 Nahani Trap 110	10	-	-	-	10.00	EACH	90.50	905.00

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
	(BUILDING SOR ITEM NO.-18.77/170)								
7	Providing and fixing UV stabilized Unplasticised PVC pipe clips of approved design to Rigid PVC pipes by means of 50 x 50 x 50 mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1cement :4 coarse sand) and making good the wall etc. complete.								
	18.78.1 75 mm	10	-	-	-	10.00	EACH	57.00	570.00
	18.78.2 110 mm	10	-	-	-	10.00	EACH	61.00	610.00
	(BUILDING SOR ITEM NO.-18.78/171)								
8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.CONCEALED WORK including cutting chases and making good the walls etc.,								
	19.5.1 15 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	133.00	665.00
	19.5.2 20 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	167.00	835.00
	(BUILDING SOR ITEM NO.-19.5/176)								
9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.INTERNAL WORK - EXPOSED ON WALL.								
	19.4.3 25 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	199.00	995.00
	19.4.4 32 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	271.00	1,355.00
	19.4.5 40 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	362.00	1,810.00
	(BUILDING SOR ITEM NO.-19.5/176)								
10	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete:								
	19.7.6 50 mm dia. nominal bore	1	5.00	-	-	5.00	MTR	471.00	2,355.00
	(BUILDING SOR ITEM NO.-19.7/177)								
11	Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:								
	19.14.1 Bib cock (400 grams)	2	-	-	-	2.00	EACH	382.00	764.00
	19.14.6 Stop cock (concealed) (600 grams)	2	-	-	-	2.00	EACH	494.00	988.00
	19.14.4 Piller Cock (400 grams)	2	-	-	-	2.00	EACH	398.00	796.00
	19.14.14 Soap dish plate	2	-	-	-	2.00	EACH	163.00	326.00
	(BUILDING SOR ITEM NO.-19.14/179)								
12	Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.								
	18.25.2 40 mm dia								

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
	(BUILDING SOR ITEM NO.-18.25.2/164)	4	-	-	-	4.00	EACH	88.50	354.00
13	Providing and fixing 600x450 mm beveled edge 4mm mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.								
	(BUILDING SOR ITEM NO.-18.29/164)	2	-	-	-	2.00	EACH	599.00	1,198.00
14	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :								
	18.30.1 5mm thick mirror								
	(BUILDING SOR ITEM NO.-18.30/164)	2	0.60	0.60	-	0.72	SQ.M	2016.00	1,452.00
15	Making connection of G.I. distribution branch in G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete: (dia of main line to be measured)								
	19.10.4 50 mm nominal bore	5	-	-	-	5.00	EACH	347.00	1,735.00
	(BUILDING SOR ITEM NO.-19.10/178)								
16	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):								
	19.16.4 50 mm nominal bore	2	-	-	-	2.00	EACH	762.00	1,524.00
	(BUILDING SOR ITEM NO.-19.16/179)								
17	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :								
	20.1.1 100 mm diameter	1	10.00	-	-	10.00	MTR	162.00	1,620.00
	(BUILDING SOR ITEM NO.-20.1/189)								
18	Providing and constructing brick masonry chamber for underground pipe and and bends with well burnt modular clay bricks crushing strength not less than 35kg/cm2 in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) R.C.C. top slab with 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20 mm nominal size) foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design :								
	20.28.1 inside dimensions 455x610 mm and 45 cm deep for single pipe line	1	-	-	-	1.00	EACH	3796.00	3,796.00
	(BUILDING SOR ITEM NO.-20.28/194)								
19	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.								
	(BUILDING SOR ITEM NO.- 19.42/184)	1.00	-	-	-	1000.00	LTR	7.30	7,300.00
								Total Rs.	47,635.00

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT NEHRU NAGAR WARD NO - 40 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" SHED FOR BALED & RECYCLABLE MATERIAL - 27.0 X 5.5 M "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Dismantling flag stone flooring laid in cement/lime mortar including stacking of serviceable material and disposal of unserviceable material within 50 metre lead.								
		1	27.00	5.50		148.50			
	(BUILDING SOR ITEM NO.- 16.8/146)					148.50	SQ.M	57.00	8465.00
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. 1.1.1) In all types of soil								
	F1-	10	1.50	1.50	1.80	40.50			
	(BUILDING SOR ITEM NO.-1.1.1/9)					40.50	CUM	185.00	7493.00
3	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	F1-	10	1.50	1.50	1.80	40.50			
	Deduction- Sand cushion, pcc,footing,column up to GL-					-10.80			
	F1-	10	1.50	1.50	0.15	3.38			
	Floor	1	27.00	5.50	0.15	22.28			
	(BUILDING SOR. ITEM NO.-1.18/11)					55.35	CUM	371.00	20535.00
4	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). M-10								
	F1-	10	1.50	1.50	0.15	3.38			
	(BUILDING SOR. ITEM NO.- 3.1.3/23)					3.38	CUM	2970.00	10023.75
5	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). Grade of Concrete M-20								
	Footing-								
	F1-	10	1.20	1.20	0.20	2.88			
	Column upto Ground level-								
	C1-	10	0.30	0.30	1.30	1.17			
	Column upto Plinth level-								
	C1-	10	0.30	0.30	0.175	0.16			
	Column above Plinth level-								
	C1-	10	0.30	0.30	3.00	2.70			
	Ground Beam	2	45.00	0.30	0.20	5.40			
	(BUILDING SOR ITEM NO.- 3.2/23)					12.31	CUM	4163.00	51236.00

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
6	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415								
		Quantity as per item 3.3				12.31			
	(BUILDING SOR. ITEM NO.-3.12.1/24)		80kg/cum			984.60	KG	54.50	53661.00
7	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
	Footing-								
	F1-	20	1.20	-	0.20	4.80			
		20	-	1.20	0.20	4.80			
	Column upto Ground level-								
	C1-	20	0.30	-	1.30	7.80			
		20	-	0.30	1.30	7.80			
	Column upto Plinth level-								
	C1-	20	0.30		0.175	1.05			
		20	-	0.30	0.175	1.05			
	Column above plinth								
	C1-	20	0.30		3.00	18.00			
		20	-	0.30	3.00	18.00			
	Ground Beam	2	45.00		0.300	27.00			
	(BUILDING SOR ITEM NO.- 2.1.1/16)					90.30	SQ.M	139.00	12552.00
8	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer. 9.3.2 Electric resistance or induction butt welded tubes Grade-300								
	Shed area	1	27.00	5.50	-	148.50			
			35KG/SQM			5197.50	KG	93.50	485966.25
	(BUILDING SOR ITEM NO.- 9.3.2/80)								
9	10.12 Supply and fixing of polymer pre-coated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.								
	Top Roof	1	6.00	27.00	-	162.00			
	Side of Truss	2	5.50		1.50	16.50			
						178.50	SQM	693.00	123700.50
	(BUILDING SOR ITEM NO.- 10.12/91)								

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S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
17	Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S, Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2 Year Warranty)								
	OUTER	1.00	45.00	-	3.00	135.00			
	As per Ammendment no 08, 05/05/2025 item no.14.67				Total	135.00	SQ.M	70.00	9450.00
								Total Rs.	962387.00

DETAILED ESTIMATE FOR PROPOSED WORK OF " SLRM CENTRE AT NEHRU NAGAR WARD NO - 40 " NAGAR PALIKA NIGAM, KORBA (C.G.)

WET WASTE TIPPING SHED AT SWM PLANT (5.00MX6.00M)

Based on C. G. P.W.D BUILDING S.O.R. IN FORCE FROM 1 JAN 2015

SN	DESCRIPTION OF ITEM		N O	MEASUREMEN			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
1	1.1 Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and level 1.1.1 In all types of soils. F1(1500X1500)		8	1.50	1.50	1.50	27.00			
total							27.00	185.00	cum	4,995.00
2	1.18 Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc complete. Footing F1(1500X1500)		8	1.50	1.50	0.10	1.80			
total							1.80	371.00	cum	667.80
3	3.1 Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 3.1.3 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). Footing F1(1500X1500)		8	1.50	1.50	0.10	1.80			
total							1.80	2970.00	cum	5,346.00
4	7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: 7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand) Below Plinth Level L Wall X Wall		4 4 1	2.14 2.64 4.58	0.30 0.30 0.30	0.30 0.30 0.30	0.77 0.95 0.41			
total							2.13	3263.00	cum	6,959.98
5	2.1 Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level. Footings F1(1500X1500) Column upto G L	2 2	8 8	1.30	1.30	0.15 0.15	3.12 3.12			

SN	DESCRIPTION OF ITEM		N O	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
	C1(300X300)	2	8	0.30		0.65	3.12			
		2	8	0.30		0.65	3.12			
	Column above G L									
	C1(300X300)	2	8	0.30		0.30	1.44			
		2	8	0.30		0.30	1.44			
	Plinth Beam									
	L Wall	2	4	2.14		0.30	5.14			
	X Wall	2	4	2.64		0.30	6.34			
		2	1	4.58		0.30	2.75			
	total						29.58	139.00	sqm	4,111.62
6	3.2 Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works up to plinth level excluding cost of form work									
	3.2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).									
	F1(1500X1500)		8	1.30	1.30	0.20	2.70			
	0.3/6*((1.2*1.2)+(0.3*0.2)+(4*(1.2+0.3)/2*(1.2+0.2)/2))		8			0.20	1.60			
	Subtotal a						4.30			
	Column upto G L									
	C1(300X300)		8	0.30	0.30	0.65	0.47			
	Subtotal b						0.47			
	Column above G L									
	C1(300X300)		8	0.30	0.30	0.30	0.22			
	Subtotal c						0.22			
	Plinth Beam									
	L Wall		4	2.14	0.30	0.30	0.77			
	X Wall		4	2.64	0.30	0.30	0.95			
			1	4.58	0.30	0.30	0.41			
	Subtotal d						2.13			
	total (a+b+c)						7.12	4163.00	cum	29,644.72
7	3.12 Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:									
	3.12.1 Thermo-Mechanically treated bars FE 415									
	Footing			4.30	1.00	78.50	337.86			
	Column			0.68	1.00	78.50	53.69			
	Plinth Beam			2.13	1.00	78.50	167.44			
	total						559.00	54.50	Kg	30,465.42
8	1.17 Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M.									
	Total qty of excavation - sand filling+PCC+RCC upto GL						16.28			
	total						16.28	38.15	cum	621.04
9	11.2 Providing and making 12mm thick cement plaster of mix:									
	11.2.4 In Cement Mortar 1:6 (1 cement : 6 fine sand)									
	C1(300X300)	4	8	0.30		0.30	2.88			
	total						2.88	91.50	sqm	263.52

SN	DESCRIPTION OF ITEM		N	MEASUREMENTS			QTY	RATE	UNIT	AMOUNT
			O	L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
10	11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall 11.3.3 In Cement Mortar 1:5 (1 cement : 5 fine sand) External Wall	1	2	5.00		0.60	6.00			
		1	2	6.00		0.60	7.20			
	total						13.20	113.00	sqm	1,491.60
11	14.9 Distempering with acrylic washable distemper to give an even shade. 14.9.1 On new work (Two or more coats) Area of Internal Wall Area of Plaster						2.88			
	total						2.88	38.00	sqm	109.44
12	14.14 Finishing walls with water proofing cement paint of required shade to give an even shade. 14.14.1 On new work (Two or more coats applied @ 3.84 kg/10 sqm) External Wall Area of External Plaster						13.20			
	total						13.20	41.00	sqm	541.20
13	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer. 9.3.1 Electric resistance or induction butt welded tubes Grade-250 PWD S.O.R.-P-80/I-9.3.1 150Dia Pole @21.30kg/meter Truss On Shed Tie Beam 50mm dia @6.19Kg/meter Rafter 50mm dia @6.19Kg/meter Intermediate members 50mm dia @6.19Kg/meter Purlins 40mm dia @ 4.37Kg/meter (On Top) Gusset Plate, Fixing Bolt and Base Plate Etc	1	8	4.50	21.30	-	766.80			
		4	1	7.00	6.19	-	173.32			
		4	2	4.35	6.19	-	215.41			
		4	2	4.60	6.19	-	227.79			
		2	2	8.00	4.37	-	139.84			
							180.00			
	total						1703.16	88.50	Kg	150,729.66

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SN	DESCRIPTION OF ITEM		N O	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
	Rain water Pipe		4	4.50			18.00			
	total						18.00	267.00	mtr	4,806.00
19	12.4 52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic hardening compound of approved quality mixed with cement in ratio of 4:1 (4 cement : 1 metallic floor hardening compound by weight) including finishing etc. complete.									
			1	5.00	6.00		30.00			
	total						30.00	441.00	sqm	13,230.00
Total										338,128.04
Add 3% Electrical and Plumbing Work										10,143.84
SUB TOTAL										348,271.89

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT NEHRU NAGAR WARD NO - 40 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

(Building SOR Items) W.E.F. - 01/01/2015

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S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RATE	AMOUNT
	(BUILDING SOR ITEM NO.12.4/111)	52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic hardening compound of approved quality mixed with cement in ratio of 4:1 (4 cement : 1 metallic floor hardening compound by weight) including finishing etc. complete.								
		External Flooring Compost Pit Area	1.00	445.00	-		445.00	SQ.M	441.00	196245.00
SLRM PAINTING WORK										
9	As per Ammendment no 08, 05/05/2025 item no.16.62	Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applied @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Pomise sheen, Neroloc Litil Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour complete for the work.								
		INSIDE	2	24	-	1.2	57.60			
			1	9	-	1.2	10.80			
			3	12	-	3	108.00			
			6	3	-	3	54.00			
		Door Deduct	3	3	-	2.1	18.90			
			4	0.9	-	2.1	7.56			
						Total	203.94	Sqm	64.00	13052.16
10	As per Ammendment no 08, 05/05/2025 item no.14.67	Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S, Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2 Year Warranty)								
		OUTSIDE	2	24	-	1.2	57.60			
			1	9	-	1.2	10.80			
			1	20	-	3	60.00			
		Door Deduct	3	3	-	2.1	18.90			
						Total	109.50	Sqm	70.00	7665.00
11	As per Ammendment no 08, 05/05/2025 item no.14.74	Providing and applying priming coat on steel work with red Oxide/ zinc phosphate primer applied @ 0.50 lit /Sqm as per relevant code 3536:1999 (product such as Asian Zinc phosphate , Dulux Steel primer, Burger Red oxide primer) with all tools tackles and labour etc. complete for the work.								
		Premium synthetic enamel paint								
		On Steel								
		SLRM Pole & Fence	2	19.0	2.00		76.00			
			1	12.0	2.00		24.00			

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT NEHRU NAGAR WARD NO - 40 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" RAIN WATER HARVESTING (1.00X1.00X1.20 M) "

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT NEHRU NAGAR WARD NO - 40 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" PLUMBING & SANITARY WORK "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same colour), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	18.4.2 Coloured pedestal type	1	-	-	-	1.00	EACH	3592.00	3,592.00
	(BUILDING SOR ITEM NO.-18.4/161)								
2	18.1 Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	Coloured Orissa pattern W.C. pan of size 580x440 mm	1	-	-	-	1.00	EACH	3545.00	3,545.00
	(BUILDING SOR ITEM NO.-18.1/160)								
3	Providing and fixing 10 litre capacity P.V.C. low level flushing cistern conforming to IS : 7231, with all fittings and fixtures								
	18.7.2 Coloured	2	-	-	-	2.00	EACH	837.00	1,674.00
	(BUILDING SOR ITEM NO.-18.7/161)								
4	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :								
	Coloured Size 550x450 mm	1	-	-	-	1.00	EACH	1894.00	1,894.00
	(BUILDING SOR ITEM NO.-18.17/162)								
5	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10								
	18.76.1 75 mm dia pipe.	1	5.00	-	-	5.00	MTR	182.00	910.00
	18.76.2 110 mm dia pipe.	1	5.00	-	-	5.00	MTR	267.00	1,335.00
	(BUILDING SOR ITEM NO.-18.76/170)								
6	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.								
	Tee/ Tee with door/ Bend 45°/ Bend 90°								
	18.77.1.1 75 mm	5	-	-	-	5.00	EACH	113.00	565.00
	18.77.1.2 110 mm	5	-	-	-	5.00	EACH	154.00	770.00
	Vent covel								
	18.77.3.1 75 mm	4	-	-	-	4.00	EACH	34.00	136.00
	18.77.3.2 110 mm	4	-	-	-	4.00	EACH	44.00	176.00
	Access door cap								
	18.77.4.1 75 mm	10	-	-	-	10.00	EACH	49.50	495.00
	18.77.4.2 110 mm	10	-	-	-	10.00	EACH	59.00	590.00

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
	18.77.6 Nahani Trap 110	10	-	-	-	10.00	EACH	90.50	905.00
	(BUILDING SOR ITEM NO.-18.77/170)								
7	Providing and fixing UV stabilized Unplasticised PVC pipe clips of approved design to Rigid PVC pipes by means of 50 x 50 x 50 mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1cement :4 coarse sand) and making good the wall etc. complete.								
	18.78.1 75 mm	10	-	-	-	10.00	EACH	57.00	570.00
	18.78.2 110 mm	10	-	-	-	10.00	EACH	61.00	610.00
	(BUILDING SOR ITEM NO.-18.78/171)								
8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.CONCEALED WORK including cutting chases and making good the walls etc.,								
	19.5.1 15 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	133.00	665.00
	19.5.2 20 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	167.00	835.00
	(BUILDING SOR ITEM NO.-19.5/176)								
9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.INTERNAL WORK - EXPOSED ON WALL.								
	19.4.3 25 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	199.00	995.00
	19.4.4 32 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	271.00	1,355.00
	19.4.5 40 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	362.00	1,810.00
	(BUILDING SOR ITEM NO.-19.5/176)								
10	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete:								
	19.7.6 50 mm dia. nominal bore	1	5.00	-	-	5.00	MTR	471.00	2,355.00
	(BUILDING SOR ITEM NO.-19.7/177)								
11	Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:								
	19.14.1 Bib cock (400 grams)	2	-	-	-	2.00	EACH	382.00	764.00
	19.14.6 Stop cock (concealed) (600 grams)	2	-	-	-	2.00	EACH	494.00	988.00
	19.14.4 Piller Cock (400 grams)	2	-	-	-	2.00	EACH	398.00	796.00
	19.14.14 Soap dish plate	2	-	-	-	2.00	EACH	163.00	326.00
	(BUILDING SOR ITEM NO.-19.14/179)								
12	Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.								
	18.25.2 40 mm dia								
	(BUILDING SOR ITEM NO.-18.25.2/164)	4	-	-	-	4.00	EACH	88.50	354.00

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
13	Providing and fixing 600x450 mm beveled edge 4mm mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.								
	(BUILDING SOR ITEM NO.-18.29/164)	2	-	-	-	2.00	EACH	599.00	1,198.00
14	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :								
	18.30.1 5mm thick mirror								
	(BUILDING SOR ITEM NO.-18.30/164)	2	0.60	0.60	-	0.72	SQ.M	2016.00	1,452.00
15	Making connection of G.I. distribution branch in G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete: (dia of main line to be measured)								
	19.10.4 50 mm nominal bore	5	-	-	-	5.00	EACH	347.00	1,735.00
	(BUILDING SOR ITEM NO.-19.10/178)								
16	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):								
	19.16.4 50 mm nominal bore	2	-	-	-	2.00	EACH	762.00	1,524.00
	(BUILDING SOR ITEM NO.-19.16/179)								
17	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :								
	20.1.1 100 mm diameter	1	10.00	-	-	10.00	MTR	162.00	1,620.00
	(BUILDING SOR ITEM NO.-20.1/189)								
18	Providing and constructing brick masonry chamber for underground pipe and and bends with well burnt modular clay bricks crushing strength not less than 35kg/cm2 in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) R.C.C. top slab with 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20 mm nominal size) foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design :								
	20.28.1 Inside dimensions 455x610 mm and 45 cm deep for single pipe lines	1	-	-	-	1.00	EACH	3796.00	3,796.00
	(BUILDING SOR ITEM NO.-20.28/194)								
19	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.								
	(BUILDING SOR ITEM NO.- 19.42/184)	1.00	-	-	-	1000.00	LTR	7.30	7,300.00
								Total Rs.	47,635.00

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE LAL GHAT WARD NO - 34 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

" SHED EXTENSION - 7.5 X 21.0 "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	F1-	10	1.50	1.50	1.80	40.50			
	(BUILDING SOR ITEM NO.-1.1.1/9)					40.50	CUM	185.00	7493.00
2	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each								
	F1-	10	1.50	1.50	1.80	40.50			
	Deduction- Sand cushion, pcc,footing,column up to GL-					-10.80			
	F1-	10	1.50	1.50	0.15	3.38			
	Floor	1	4.00	12.00	0.15	7.20			
	(BUILDING SOR. ITEM NO.-1.18/11)					40.28	CUM	371.00	14942.00
3	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work.								
	F1-	10	1.50	1.50	0.15	3.38			
	(BUILDING SOR. ITEM NO.- 3.1.3/23)					3.38	CUM	2970.00	10023.75
4	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	Footing-								
	F1-	10	1.20	1.20	0.20	2.88			
	Column upto Ground level-								
	C1-	10	0.30	0.30	1.30	1.17			
	Column upto Plinth level-								
	C1-	10	0.30	0.30	0.175	0.16			
	Column above Plinth level-								
	C1-	10	0.30	0.30	3.000	2.70			
	Ground Beam	2	36.00	0.30	0.200	4.32			
	(BUILDING SOR ITEM NO.- 3.2/23)					11.23	CUM	4163.00	46740.00
5	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete:								
		Quantity as per item 3.3				11.23			
	(BUILDING SOR. ITEM NO.-3.12.1/24)		<u>80kg/cum</u>			898.20	KG	54.50	48952.00
6	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in								
	Footing-								
	F1-	20	1.20	-	0.20	4.80			
		20	-	1.20	0.20	4.80			
	Column upto Ground level-								
	C1-	20	0.30	-	1.30	7.80			
		20	-	0.30	1.30	7.80			
	Column upto Plinth level-								
	C1-	20	0.30		0.175	1.05			
		20	-	0.30	0.175	1.05			

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE LAL GHAT WARD NO - 34 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

WET WASTE TIPPING SHED AT SWM PLANT (5.00MX6.00M)

Based on C. G. P.W.D BUILDING S.O.R. IN FORCE FROM 1 JAN 2015

SN	DESCRIPTION OF ITEM		N O	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
1	1.1 Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including									
	1.1.1 In all types of soils.									
	F1(1500X1500)		8	1.50	1.50	1.50	27.00			
	total						27.00	185.00	cum	4,995.00
2	1.18 Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc complete.									
	Footing									
	F1(1500X1500)		8	1.50	1.50	0.10	1.80			
	total						1.80	371.00	cum	667.80
3	3.1 Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.									
	3.1.3 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).									
	Footing									
	F1(1500X1500)		8	1.50	1.50	0.10	1.80			
	total						1.80	2970.00	cum	5,346.00
4	7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:									
	7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand)									
	Below Plinth Level									
	L Wall		4	2.14	0.30	0.30	0.77			
	X Wall		4	2.64	0.30	0.30	0.95			
			1	4.58	0.30	0.30	0.41			

SN	DESCRIPTION OF ITEM		N O	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
	total						2.13	3263.00	cum	6,959.98
5	2.1 Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal									
	2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.									
	Footings									
	F1(1500X1500)	2	8	1.30		0.15	3.12			
		2	8		1.30	0.15	3.12			
	Column upto G L									
	C1(300X300)	2	8	0.30		0.65	3.12			
		2	8	0.30		0.65	3.12			
	Column above G L									
	C1(300X300)	2	8	0.30		0.30	1.44			
		2	8	0.30		0.30	1.44			
	Plinth Beam									
	L Wall	2	4	2.14		0.30	5.14			
	X Wall	2	4	2.64		0.30	6.34			
		2	1	4.58		0.30	2.75			
	total						29.58	139.00	sqm	4,111.62
6	3.2 Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works up to plinth level excluding cost of form work									
	3.2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).									
	F1(1500X1500)		8	1.30	1.30	0.20	2.70			
	0.3/6*((1.2*1.2)+(0.3*0.2)+(4*(1.2+0.3)/2*(1.2+0.2)/2))		8			0.20	1.60			
	Subtotal a						4.30			
	Column upto G L									
	C1(300X300)		8	0.30	0.30	0.65	0.47			
	Subtotal b						0.47			
	Column above G L									
	C1(300X300)		8	0.30	0.30	0.30	0.22			
	Subtotal c						0.22			
	Plinth Beam									
	L Wall		4	2.14	0.30	0.30	0.77			
	X Wall		4	2.64	0.30	0.30	0.95			
			1	4.58	0.30	0.30	0.41			
	Subtotal d						2.13			
	total (a+b+c)						7.12	4163.00	cum	29,644.72

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DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE LAL GHAT WARD NO - 34 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)

(Building SOR Items) W.E.F. - 01/01/2015

S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RAT E	AMOUNT
1	(BUILDING SOR ITEM NO. 10.12/91)	10.12 Supply and fixing of polymer precoated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.								
		SLRM SHED SHEET	2	6.2	27	-	335			
							335	SQM	693	232016.40
2	(BUILDING SOR ITEM NO. 10.16/91)	10.16 Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete :								
		10.16.1 Ridges plain (500-600mm)	1	27			27	MTR	552	14904
		10.16.6 Gutter. (600 mm over all girth)	2	27			54	MTR	629	33966
SLRM FLOORING WORK										
8	(BUILDING SOR ITEM NO. 12.49/118)	25 mm thick KOTA stone slab flooring over 20mm (Average) thick base of cement mortar 1:4 laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including grinding rubbing and polishing etc. complete (Area of slab to be over 0.20								
			1.00	12.00	27.00	-	324.00			
		Add 10% Extra					32.40			
							356.40	SQ.M	897.00	319690.80

S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RAT E	AMOUNT
	(BUILDING SOR ITEM NO.12.4/111)	52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic hardening compound of approved quality mixed with cement in ratio of 4:1 (4 cement : 1 metallic floor hardening compound by weight) including finishing etc.								
		Back Side Area	1.00	52.00	3.00	-	156.00			
						Total	156.00	SQ.M	441.00	68796.00
SLRM PAINTING WORK										
9	As per Ammendment no 08, 05/05/2025 item no.16.62	Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applied @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Promise sheen, Neroloc Litil Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article and								
		INSIDE	2	24	-	1.2	57.60			
			1	12	-	1.2	14.40			
			3	12	-	3	108.00			
			6	3	-	3	54.00			
		Door Deduct	3	3	-	2.1	18.90			
			4	0.9	-	2.1	7.56			
						Total	207.54	Sqm	64.00	13282.56
10	As per Ammendment no 08, 05/05/2025 item no.14.67	Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S, Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour								
		OUTSIDE	2	24	-	1.2	57.60			
			1	9	-	1.2	10.80			
			1	20	-	3	60.00			
		Door Deduct	3	3	-	2.1	18.90			
						Total	109.50	Sqm	70.00	7665.00
11	As per Ammendment no 08, 05/05/2025 item no.14.74	Providing and applying priming coat on steel work with red Oxide/ zinc phosphate primer applied @ 0.50 lit /Sqm as per relevant code 3536:1999 (product such as Asian Zinc phosphate , Dulux Steel primer, Burger Red oxide primer) with all tools tackles and labour etc.								
		Premium synthetic enamel paint								
		On Steel								
		SLRM Pole & Fence	2	19.0	2.00		76.00			
			1	12.0	2.00		24.00			
		Door	1	3.0	2.10		6.30			
			1	2.0	2.10		4.20			

S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RAT E	AMOUNT
					Total		110.50			
		Add 20% Extra					22.10			
				Sub Total			132.60	Sqm	35.00	4641
12	As per Ammendment no 08, 05/05/2025 item no.14.76	Providing and applying Aluminium paint minimum 2 coats in all metal surface applying @ 0.75 li/ 10 Sqm up to required finish as per relevent I.S. code 2932: 2013 of (Product such as Asian Apcolite aluminium paint, Dulux Aliminium paint, Burger Superior Aluminium Paint) with all tools tackle and labour etc. complete for the work					132.60	sqm	43.00	5701.80
DEMOLISH WORK										
	(BUILDING SOR ITEM NO. 16.3.3/146)	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead. In cement mortar.								
		Boundary Wall With Fencing	1.00	#####	0.20	1.50	10.80			
			10.80					SQ.M	#####	2840.40
TOTAL									703503.96	

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE LAL GHAT WARD NO - 34 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

" RAIN WATER HARVESTING (1.00X1.00X1.20 M) "

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DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE LAL GHAT WARD NO - 34 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)

SANITARY REPAIRING

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same colour), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	18.4.2 Coloured pedestal type	1	-	-	-	1.00	EACH	3592.00	3,592.00
	(BUILDING SOR ITEM NO.-18.4/161)								
2	18.1 Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	Coloured Orissa pattern W.C. pan of size 580x440 mm	1	-	-	-	1.00	EACH	3545.00	3,545.00
	(BUILDING SOR ITEM NO.-18.1/160)								
3	Providing and fixing 10 litre capacity P.V.C. low level flushing cistern conforming to IS : 7231, with all fittings and fixtures								
	18.7.2 Coloured	2	-	-	-	2.00	EACH	837.00	1,674.00
	(BUILDING SOR ITEM NO.-18.7/161)								
4	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :								
	Coloured Size 550x450 mm	1	-	-	-	1.00	EACH	1894.00	1,894.00
	(BUILDING SOR ITEM NO.-18.17/162)								
5	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10								
	18.76.1 75 mm dia pipe.	1	5.00	-	-	5.00	MTR	182.00	910.00
	18.76.2 110 mm dia pipe.	1	5.00	-	-	5.00	MTR	267.00	1,335.00
	(BUILDING SOR ITEM NO.-18.76/170)								
6	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.								
	Tee/ Tee with door/ Bend 45°/ Bend 90°								
	18.77.1.1 75 mm	5	-	-	-	5.00	EACH	113.00	565.00
	18.77.1.2 110 mm	5	-	-	-	5.00	EACH	154.00	770.00
	Vent covel								
	18.77.3.1 75 mm	4	-	-	-	4.00	EACH	34.00	136.00

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
	18.77.3.2 110 mm	4	-	-	-	4.00	EACH	44.00	176.00
	Access door cap								
	18.77.4.1 75 mm	10	-	-	-	10.00	EACH	49.50	495.00
	18.77.4.2 110 mm	10	-	-	-	10.00	EACH	59.00	590.00
	18.77.6 Nahani Trap 110	10	-	-	-	10.00	EACH	90.50	905.00
	(BUILDING SOR ITEM NO.-18.77/170)								
7	Providing and fixing UV stabilized Unplasticised PVC pipe clips of approved design to Rigid PVC pipes by means of 50 x 50 x 50 mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1cement :4 coarse sand) and making good the wall etc. complete.								
	18.78.1 75 mm	10	-	-	-	10.00	EACH	57.00	570.00
	18.78.2 110 mm	10	-	-	-	10.00	EACH	61.00	610.00
	(BUILDING SOR ITEM NO.-18.78/171)								
8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.CONCEALED WORK including cutting chases and making good the walls etc.,								
	19.5.1 15 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	133.00	665.00
	19.5.2 20 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	167.00	835.00
	(BUILDING SOR ITEM NO.-19.5/176)								
9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.INTERNAL WORK - EXPOSED ON WALL.								
	19.4.3 25 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	199.00	995.00
	19.4.4 32 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	271.00	1,355.00
	19.4.5 40 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	362.00	1,810.00
	(BUILDING SOR ITEM NO.-19.5/176)								
10	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete:								
	19.7.6 50 mm dia. nominal bore	1	5.00	-	-	5.00	MTR	471.00	2,355.00
	(BUILDING SOR ITEM NO.-19.7/177)								
11	Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:								
	19.14.1 Bib cock (400 grams)	2	-	-	-	2.00	EACH	382.00	764.00
	19.14.6 Stop cock (concealed) (600 grams)	2	-	-	-	2.00	EACH	494.00	988.00

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
	19.14.4 Piller Cock (400 grams)	2	-	-	-	2.00	EACH	398.00	796.00
	19.14.14 Soap dish plate	2	-	-	-	2.00	EACH	163.00	326.00
	(BUILDING SOR ITEM NO.-19.14/179)								
12	Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.								
	18.25.2 40 mm dia								
	(BUILDING SOR ITEM NO.-18.25.2/164)	4	-	-	-	4.00	EACH	88.50	354.00
13	Providing and fixing 600x450 mm beveled edge 4mm mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.								
	(BUILDING SOR ITEM NO.-18.29/164)	2	-	-	-	2.00	EACH	599.00	1,198.00
14	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :								
	18.30.1 5mm thick mirror								
	(BUILDING SOR ITEM NO.-18.30/164)	2	0.60	0.60	-	0.72	SQ.M	2016.00	1,452.00
15	Making connection of G.I. distribution branch in G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete: (dia of main line to be measured)								
	19.10.4 50 mm nominal bore	5	-	-	-	5.00	EACH	347.00	1,735.00
	(BUILDING SOR ITEM NO.-19.10/178)								
16	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):								
	19.16.4 50 mm nominal bore	2	-	-	-	2.00	EACH	762.00	1,524.00
	(BUILDING SOR ITEM NO.-19.16/179)								
17	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :								
	20.1.1 100 mm diameter	1	10.00	-	-	10.00	MTR	162.00	1,620.00
	(BUILDING SOR ITEM NO.-20.1/189)								

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT DANGANIA KHAR WARD NO - 56 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

" SHED EXTENSION - 4.0 X 12.0 "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUN T
1	Dismantling flag stone flooring laid in cement/lime mortar including stacking of serviceable material and disposal of unserviceable material within 50 metre lead.								
		1	4.00	12.00		48.00			
	(BUILDING SOR ITEM NO.- 16.8/146)					48.00	SQ.M	57.00	2736.00
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. 1.1.1) In all types of soil								
	F1-	2	1.50	1.50	1.80	8.10			
	(BUILDING SOR ITEM NO.-1.1.1/9)					8.10	CUM	185.00	1499.00
3	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	F1-	2	1.50	1.50	1.80	8.10			
	Deduction- Sand cushion, pcc,footing,column up to GL-					-2.16			
	F1-	2	1.50	1.50	0.15	0.68			
	Floor	1	4.00	12.00	0.15	7.20			
	(BUILDING SOR. ITEM NO.-1.18/11)					13.82	CUM	371.00	5125.00
4	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). M-10								
	F1-	2	1.50	1.50	0.15	0.68			
	Floor	1	4.00	12.00	0.10	4.80			
	(BUILDING SOR. ITEM NO.- 3.1.3/23)					5.48	CUM	2970.00	16260.75
5	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). Grade of Concrete M-20								
	Footing-								
	F1-	2	1.20	1.20	0.20	0.58			
	Column upto Ground level-								
	C1-	2	0.30	0.30	1.30	0.23			
	Column upto Plinth level-								
	C1-	2	0.30	0.30	0.175	0.03			
	Column above Plinth level-								
	C1-	2	0.30	0.30	3.000	0.54			
	Kerb wall	2	4.00	0.30	0.200	0.48			

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT
	(BUILDING SOR ITEM NO.- 3.2/23)					1.86	CUM	4163.00	7749.00
6	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415								
		Quantity as per item 3.3				1.86			
	(BUILDING SOR. ITEM NO.-3.12.1/24)		<u>80kg/cum</u>			148.92	KG	54.50	8116.00
7	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
	Footing-								
	F1-	4	1.20	-	0.20	0.96			
		4	-	1.20	0.20	0.96			
	Column upto Ground level-								
	C1-	4	0.30	-	1.30	1.56			
		4	-	0.30	1.30	1.56			
	Column upto Plinth level-								
	C1-	4	0.30		0.18	0.21			
		4	-	0.30	0.18	0.21			
	Column above plinth								
	C1-	4	0.30		3.00	3.60			
		4	-	0.30	3.00	3.60			
	Kerb wall	2	4.00		0.300	2.40			
	(BUILDING SOR ITEM NO.- 2.1.1/16)					15.06	SQ.M	139.00	2093.00
8	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide								
	Shed area	1	4.00	12.00	-	48.00			
			35KG/SQM			1680.00	KG	93.50	157080.00
	(BUILDING SOR ITEM NO.- 9.3.2/80)								

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT DANGANIA KHAR WARD NO - 56 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

WET WASTE TIPPING SHED AT SWM PLANT (4.00MX3.50M)

Based on C. G. P.W.D BUILDING S.O.R. IN FORCE FROM 1 JAN 2015

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SN	DESCRIPTION OF ITEM		NO	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
7	1.17 Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead									
	Total qty of excavation - sand filling+PCC+RCC upto GL						9.21			
	total						9.21	38.15	cum	351.21
8	11.2 Providing and making 12mm thick cement plaster of mix:									
	11.2.4 In Cement Mortar 1:6 (1 cement : 6									
	C1(300X300)	4	4	0.30		0.30	1.44			
	total						1.44	91.50	sqm	131.76
9	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate,									
	9.3.1 Electric resistance or induction butt welded tubes Grade-250									
	PWD S.O.R.-P-80/I-9.3.1									
	150Dia Pole @21.30kg/meter	1	4	4.50	21.30	-	383.40			
	Truss On Shed									
	Tie Beam 50mm dia @6.19Kg/meter	1	1	6.00	6.19	-	37.14			
	Rafter 50mm dia @6.19Kg/meter	1	2	3.38	6.19	-	41.84			
	Intermediate members 50mm dia @6.19Kg/meter	1	2	4.50	6.19	-	55.71			
	Purlins 40mm dia @ 4.37Kg/meter (On Top)	1	4	5.50	4.37	-	96.14			
	Gusset Plate, Fixing Bolt and Base Plate						140.00			
	total						754.23	88.50	Kg	66,749.36
							7.00			

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SN	DESCRIPTION OF ITEM		NO	MEASUREMEN			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
	18.76.2 110 mm dia pipe.									
	Rain water Pipe		4	4.50			18.00			
	total						18.00	267.00	mtr	4,806.00
15	52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic hardening compound of approved quality mixed with cement in ratio of 4:1 (4 cement : 1 metallic floor hardening compound by weight) including finishing etc. complete.									
	(BUILDING SOR ITEM NO.12.4/111)		1.00	4.50	3.00	-	13.50	SQ.M	441.00	5953.50
Total										161,979.96
Add 3% Electrical and Plumbing Work										4,859.40
GRAND TOTAL										166,839.36

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT DANGANIA KHAR WARD NO - 56 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

(Building SOR Items) W.E.F. - 01/01/2015

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S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RATE	AMOUNT
4	As per Ammendment no 08, 05/05/2025 item no.16.62	Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applied @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Pomise sheen, Neroloc Litil Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour complete for the work.								
		INSIDE	2	24	-	1.2	57.60			
			1	9	-	1.2	10.80			
			3	12	-	3	108.00			
			6	3	-	3	54.00			
		Door Deduct	3	3	-	2.1	18.90			
			4	0.9	-	2.1	7.56			
						Total	203.94	Sqm	64.00	13052.16
5	As per Ammendment no 08, 05/05/2025 item no.14.67	Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S, Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2 Year								
		OUTSIDE	2	24	-	1.2	57.60			
			1	9	-	1.2	10.80			
			1	20	-	3	60.00			
		Door Deduct	3	3	-	2.1	18.90			
						Total	109.50	Sqm	70.00	7665.00
6	As per Ammendment no 08, 05/05/2025 item no.14.74	Providing and applying priming coat on steel work with red Oxide/ zinc phosphate primer applied @ 0.50 lit /Sqm as per relevant code 3536:1999 (product such as Asian Zinc phosphate , Dulux Steel primer, Burger Red oxide primer) with all tools tackles and labour etc. complete for the work								
		Premium synthetic enamel paint								
		On Steel								
		SLRM Pole & Fence	2	19.0	2.00		76.00			
			1	12.0	2.00		24.00			
		Door	1	3.0	2.10		6.30			
			1	2.0	2.10		4.20			
					Total		110.50			
		Add 20% Extra					22.10			
					Sub Total		132.60	Sqm	35.00	4641
7	As per Ammendment no 08, 05/05/2025 item no.14.76	Providing and applying Aluminium paint minimum 2 coats in all metal surface applying @ 0.75 li/ 10 Sqm up to required finish as per relevent I.S. code 2932: 2013 of (Product such as Asian Apcolite aluminium paint, Dulux Aliminium paint, Burger Superior Aluminium Paint) with all tools tackle and labour etc. complete for the work					132.60	sqm	43.00	5701.80
SLRM GATE										
8	(BUILDING SOR. ITEM NO.- 9.6.2/80)	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.								
		(BUILDING SOR. ITEM NO.- 9.6.2/80)								
		GATE	1	4.00	3.00		12.00			
					30 KG/SQ.M		360.00	KG	68.00	24480.00
									TOTAL	656117.16

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT DANGANIA KHAR WARD NO - 56 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

" RAIN WATER HARVESTING (1.00X1.00X1.20 M) "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soil								
	(BUILDING SOR. ITEM NO.-1.1.1/9)	1	1.40	1.40	1.20	2.35	CUM	185.00	434.75
2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	bottom Beam-	2	1.40	0.20	0.20	0.11			
		2	1.00	0.20	0.20	0.08			
	Top Slab-	1	1.40	1.40	0.10	0.20			
	(BUILDING SOR ITEM NO.-3.9/24)					0.39	CUM	4163.00	1623.57
3	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: 3.12.1 Thermo-Mechanically treated bars FE 415								
		Qty. as per item No.-3.2.1				0.39			
	(SOR ITEM NO.-3.12.1/24)		<u>50 kg/cum</u>			19.5	KG	54.50	1062.75
4	Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:								
	(BUILDING SOR ITEM NO.-7.5.4/45)	1	4.80	0.20	1.40	1.34	CUM	3263.00	4385.47
5	Supplying, filling, spreading & leveling stone boulders/ Gravels/ Coarse sand, in recharge pit, in the required layers and thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.								
	Stone boulders of size range 5 cm to 20 cm, in recharge pit	1	1.00	1.00	0.40	0.40	CUM	863.00	345.20
	Gravels of size range 5 mm to 10 mm, over the existing layer of	1	1.00	1.00	0.30	0.30	CUM	806.00	241.80
	Coarse sand of size range 1.5 mm to 2 mm over existing layer of	1	1.00	1.00	0.20	0.20	CUM	471.00	94.20
	(BUILDING SOR ITEM NO.-21.14/201)								
	PIPELINE-								
6	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	In all types of soil	1	50.0	0.30	0.30	4.50	CUM	185.00	832.50
	(BUILDING SOR ITEM NO.-1.1/9)								
7	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm. In depth consolidation each deposited layer by ramming and watering with a lead upto 50M. And lift upto 1.5M.								
	50% of Item No 1	-	-	-	-	2.25	CUM	65.00	146.25
	(BUILDING SOR ITEM NO.-1.17/11)								
8	Providing and filling in open area with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	50% of Item No 1 - Pipe Dia	-	-	-	-	2.25	CUM	371.00	834.75
	(BUILDING SOR ITEM NO.-1.18/11)								

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT DANGANIA KHAR WARD NO - 56 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

SANITARY REPAIRING

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same colour), conforming to IS : 7231, with all fittings and fixtures complete including cutting and								
	18.4.2 Coloured pedestal type	1	-	-	-	1.00	EACH	3592.00	3,592.00
	(BUILDING SOR ITEM NO.-18.4/161)								
2	18.1 Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	Coloured Orissa pattern W.C. pan of size 580x440 mm	1	-	-	-	1.00	EACH	3545.00	3,545.00
	(BUILDING SOR ITEM NO.-18.1/160)								
3	Providing and fixing 10 litre capacity P.V.C. low level flushing cistern conforming to IS : 7231, with all fittings and fixtures								
	18.7.2 Coloured	2	-	-	-	2.00	EACH	837.00	1,674.00
	(BUILDING SOR ITEM NO.-18.7/161)								
4	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :								
	Coloured Size 550x450 mm	1	-	-	-	1.00	EACH	1894.00	1,894.00
	(BUILDING SOR ITEM NO.-18.17/162)								
5	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10								
	18.76.1 75 mm dia pipe.	1	5.00	-	-	5.00	MTR	182.00	910.00
	18.76.2 110 mm dia pipe.	1	5.00	-	-	5.00	MTR	267.00	1,335.00
	(BUILDING SOR ITEM NO.-18.76/170)								
6	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.								
	Tee/ Tee with door/ Bend 45°/ Bend 90°								
	18.77.1.1 75 mm	5	-	-	-	5.00	EACH	113.00	565.00
	18.77.1.2 110 mm	5	-	-	-	5.00	EACH	154.00	770.00
	Vent covel								
	18.77.3.1 75 mm	4	-	-	-	4.00	EACH	34.00	136.00
	18.77.3.2 110 mm	4	-	-	-	4.00	EACH	44.00	176.00
	Access door cap								
	18.77.4.1 75 mm	10	-	-	-	10.00	EACH	49.50	495.00
	18.77.4.2 110 mm	10	-	-	-	10.00	EACH	59.00	590.00
	18.77.6 Nahani Trap 110	10	-	-	-	10.00	EACH	90.50	905.00
	(BUILDING SOR ITEM NO.-18.77/170)								
7	Providing and fixing UV stabilized Unplasticised PVC pipe clips of approved design to Rigid PVC pipes by means of 50 x 50 x 50 mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1cement :4 coarse sand) and making good the wall etc. complete.								
	18.78.1 75 mm	10	-	-	-	10.00	EACH	57.00	570.00
	18.78.2 110 mm	10	-	-	-	10.00	EACH	61.00	610.00
	(BUILDING SOR ITEM NO.-18.78/171)								

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. CONCEALED WORK including cutting chases and making good the walls etc.,								
	19.5.1 15 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	133.00	665.00
	19.5.2 20 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	167.00	835.00
	(BUILDING SOR ITEM NO.-19.5/176)								
9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. INTERNAL WORK - EXPOSED ON WALL.								
	19.4.3 25 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	199.00	995.00
	19.4.4 32 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	271.00	1,355.00
	19.4.5 40 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	362.00	1,810.00
	(BUILDING SOR ITEM NO.-19.5/176)								
10	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete:								
	19.7.6 50 mm dia. nominal bore	1	5.00	-	-	5.00	MTR	471.00	2,355.00
	(BUILDING SOR ITEM NO.-19.7/177)								
11	Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:								
	19.14.1 Bib cock (400 grams)	2	-	-	-	2.00	EACH	382.00	764.00
	19.14.6 Stop cock (concealed) (600 grams)	2	-	-	-	2.00	EACH	494.00	988.00
	19.14.4 Piller Cock (400 grams)	2	-	-	-	2.00	EACH	398.00	796.00
	19.14.14 Soap dish plate	2	-	-	-	2.00	EACH	163.00	326.00
	(BUILDING SOR ITEM NO.-19.14/179)								
12	Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.								
	18.25.2 40 mm dia								
	(BUILDING SOR ITEM NO.-18.25.2/164)	4	-	-	-	4.00	EACH	88.50	354.00
13	Providing and fixing 600x450 mm beveled edge 4mm mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.								
	(BUILDING SOR ITEM NO.-18.29/164)	2	-	-	-	2.00	EACH	599.00	1,198.00
14	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :								
	18.30.1 5mm thick mirror								
	(BUILDING SOR ITEM NO.-18.30/164)	2	0.60	0.60	-	0.72	SQ.M	2016.00	1,452.00
15	Making connection of G.I. distribution branch in G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete: (dia of main line to be measured)								
	19.10.4 50 mm nominal bore	5	-	-	-	5.00	EACH	347.00	1,735.00
	(BUILDING SOR ITEM NO.-19.10/178)								

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT DANGANIA KHAR WARD NO - 56 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

ELECTRIFICATION WORKS

As Per CG Electrical SOR 2020

S.No	Item No.	Particulars	Quantity	Unit	Rate	Amount
1	1.7	Wiring for light/ fan/ exhaust fan / call bell point with 3x1.5 sqmm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) with 5/6 amp modular switch, modular base and cover plate, suitable size G.I. box as per specification and IS: 694 (2010), IS:				
	1.7.1	Short Point	8.00	Point	266.00	2128.00
	1.7.2	Medium Point	27.00	Point	424.00	11448.00
	1.7.3	Long Point	8.00	Point	588.00	4704.00
2	1.9	Extra for providing and fixing light plug point on board in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) point wiring with modular type 3 pin 5/6 amp socket outlet and 5/6 amp switch including cost of base and cover plate and G. I. box etc. as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)	6.00	Point	216.00	1296.00
3	1.13	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, wire in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)				
	1.13.1	3 X 1.5 sq. mm in 20mm conduit	27.00	Metre	92.00	2484.00
	1.13.8	3 X 10 sq. mm in 25mm conduit	10.00	Metre	270.00	2700.00
4	1.15	Supplying and fixing of following sizes FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) along with accessories in concealed complete as per specification and IS: 9537 (2000 Part 5)				
	1.15.1	20 mm	80.00	Metre	42.00	3360.00

S.No	Item No.	Particulars	Quantity	Unit	Rate	Amount
5	5.1	Supplying and fixing following piano type switch, socket, other accessories on the existing switch box/ cover including connections etc. as per specification.				
	5.1.12	Fan regulator	10.00	Each	130.00	1300.00
6	5.11	Providing and fixing fan clamp made of 3mm thick MS flat on existing iron trusses/ girder including necessary bolts and nuts etc. as per specification.				
			10.00	Each	40.00	400.00
7	6.1	Supplying, installation, testing and commissioning of following sizes ceiling fan including wiring the down rods of standard length up to 30 cm with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, earthing etc. complete as required. P.F. should be greater than 0.9, with BEE Star rating from 1 star and above, IS: 374:2019 including all amendments.				
	6.1.1	600 mm sweep	10.00	Each	1477.00	14770.00
8	6.19.3	Supplying, installation, testing and commissioning of following LED tube light fitting including batten with Electronic Driver Heat sink Capacitor complete with all other accessories on surface/ in false ceiling, including connection, earthing etc complete as per specification and IP20, P.F. should be greater than 0.9. LED chip efficacy ratio $\geq$ 100 lumens /watt.				
	6.15.3	18/20 watt {4 feet}	10.00	Each	443.00	4430.00
	Total					49020.00

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT DEWANGAN PARA WARD NO - 4 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

" SHED EXTENSION - 4.0 X 12.0 "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Dismantling flag stone flooring laid in cement/lime mortar including stacking of serviceable material and disposal of unserviceable material within 50 metre lead.								
		1	4.00	12.00		48.00			
	(BUILDING SOR ITEM NO.- 16.8/146)					48.00	SQ.M	57.00	2736.00
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	F1-	2	1.50	1.50	1.80	8.10			
	(BUILDING SOR ITEM NO.-1.1.1/9)					8.10	CUM	185.00	1499.00
3	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	F1-	2	1.50	1.50	1.80	8.10			
	Deduction- Sand cushion, pcc,footing,column up to GL-					-2.16			
	F1-	2	1.50	1.50	0.15	0.68			
	Floor	1	4.00	12.00	0.15	7.20			
	(BUILDING SOR. ITEM NO.-1.18/11)					13.82	CUM	371.00	5125.00
4	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate								
	F1-	2	1.50	1.50	0.15	0.68			
	Floor	1	4.00	12.00	0.10	4.80			
	(BUILDING SOR. ITEM NO.- 3.1.3/23)					5.48	CUM	2970.00	16260.75
5	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). Grade of Concrete M-20								
	Footing-								
	F1-	2	1.20	1.20	0.20	0.58			
	Column upto Ground level-								
	C1-	2	0.30	0.30	1.30	0.23			
	Column upto Plinth level-								

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
	C1-	2	0.30	0.30	0.175	0.03			
	Column above Plinth level-								
	C1-	2	0.30	0.30	3.000	0.54			
	Kerb wall	2	4.00	0.30	0.200	0.48			
	(BUILDING SOR ITEM NO.- 3.2/23)					1.86	CUM	4163.00	7749.00
6	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415								
		Quantity as per item 3.3				1.86			
	(BUILDING SOR. ITEM NO.-3.12.1/24)		<u>80kg/cum</u>			148.92	KG	54.50	8116.00
7	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below								
	Footing-								
	F1-	4	1.20	-	0.20	0.96			
		4	-	1.20	0.20	0.96			
	Column upto Ground level-								
	C1-	4	0.30	-	1.30	1.56			
		4	-	0.30	1.30	1.56			
	Column upto Plinth level-								
	C1-	4	0.30		0.18	0.21			
		4	-	0.30	0.18	0.21			
	Column above plinth								
	C1-	4	0.30		3.00	3.60			
		4	-	0.30	3.00	3.60			
	Kerb wall	2	4.00		0.300	2.40			
	(BUILDING SOR ITEM NO.- 2.1.1/16)					15.06	SQ.M	139.00	2093.00

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
8	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer. 9.3.2 Electric resistance or induction butt welded tubes Grade-300								
	Shed area	1	4.00	12.00	-	48.00			
			35KG/SQM			1680.00	KG	93.50	157080.00
	(BUILDING SOR ITEM NO.- 9.3.2/80)								
9	10.12 Supply and fixing of polymer precoated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm								
	Top Roof	2	6.20	4.00	-	49.60			
	Side of Truss	1	12.40		1.50	18.60			
						68.20	SQM	693.00	47262.60
	(BUILDING SOR ITEM NO.- 10.12/91)								
10	10.16 Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete :								
	10.16.1 Ridges plain (500-600mm)	1	4.00			4.00	MTR	552.00	2208.00
	10.16.6 Gutter. (600 mm over all girth)	2	4.00			8.00	MTR	629.00	5032.00
	(BUILDING SOR ITEM NO.- 10.16/91)								

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S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
16	Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applied @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Pomise sheen, Neroloc Litil Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour complete for the work.								
	INNER	1.00	12.00	-	3.00	36.00			
	As per Ammendment no 08, 05/05/2025 item no.16.62				Total	36.00	SQ.M	64.00	2304.00
	Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S, Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2 Year Warranty)								
	OUTER	1.00	12.00	-	3.00	36.00			
	As per Ammendment no 08, 05/05/2025 item no.14.67				Total	36.00	SQ.M	70.00	2520.00
								Total Rs.	303535.00

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT DEWANGAN PARA WARD NO - 4 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

" STORAGE SHED - 22.0 X 3.0 M "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT
1	Dismantling flag stone flooring laid in cement/lime mortar including stacking of serviceable material and disposal of unserviceable material within 50 metre lead.								
		1	22.00	3.00		66.00			
	(BUILDING SOR ITEM NO.- 16.8/146)					66.00	SQ.M	57.00	3762.00
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	F1-	8	1.50	1.50	1.80	32.40			
	(BUILDING SOR ITEM NO.-1.1.1/9)					32.40	CUM	185.00	5994.00
3	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and								
	F1-	8	1.50	1.50	1.80	32.40			
	Deduction- Sand cushion, pcc,footing,column up to GL-					-6.62			
	F1-	2	1.50	1.50	0.15	0.68			
	Floor	1	22.00	3.00	0.15	9.90			
	(BUILDING SOR. ITEM NO.-1.18/11)					36.36	CUM	371.00	13490.00
4	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). M-10								
	F1-	8	1.50	1.50	0.15	2.70			
	Floor	1	22.00	3.00	0.10	6.60			
	(BUILDING SOR. ITEM NO.- 3.1.3/23)					9.30	CUM	2970.00	27621.00
5	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). Grade of Concrete M-20								
	Footing-								
	F1-	8	1.20	1.20	0.20	2.30			
	Column upto Ground level-								
	C1-	8	0.30	0.30	1.30	0.94			
	Column upto Plinth level-								
	C1-	8	0.30	0.30	0.175	0.13			
	Column above Plinth level-								
	C1-	8	0.30	0.30	3.00	2.16			
	Kerb wall	2	28.00	0.30	0.20	3.36			
	(BUILDING SOR ITEM NO.- 3.2/23)					8.89	CUM	4163.00	36992.00

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT
6	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete:								
		Quantity as per item 3.3				8.89			
	(BUILDING SOR. ITEM NO.-3.12.1/24)	80kg/cum				710.88	KG	54.50	38743.00
7	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below								
	Footing-								
	F1-	16	1.20	-	0.20	3.84			
		16	-	1.20	0.20	3.84			
	Column upto Ground level-								
	C1-	16	0.30	-	1.30	6.24			
		16	-	0.30	1.30	6.24			
	Column upto Plinth level-								
	C1-	16	0.30		0.175	0.84			
		16	-	0.30	0.175	0.84			
	Column above plinth								
	C1-	16	0.30		3.00	14.40			
		16	-	0.30	3.00	14.40			
	Kerb wall	2	28.00		0.300	16.80			
	(BUILDING SOR ITEM NO.- 2.1.1/16)					67.44	SQ.M	139.00	9374.00
8	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding								
	Shed area	1	22.00	3.00	-	66.00			
			35KG/SQM			2310.00	KG	93.50	215985.00
	(BUILDING SOR ITEM NO.- 9.3.2/80)								

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT DEWANGAN PARA WARD NO - 4 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

WET WASTE TIPPING SHED AT SWM PLANT (4.00MX3.50M)

Based on C. G. P.W.D BUILDING S.O.R. IN FORCE FROM 1 JAN 2015

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT DEWANGAN PARA WARD NO - 4 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

(Building SOR Items) W.E.F. - 01/01/2015

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S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RATE	AMOUNT
13	(BUILDING SOR. ITEM NO.- 9.6.2/80)	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.								
		(BUILDING SOR. ITEM NO.- 9.6.2/80)								
		GATE	1	4.00	3.00		12.00			
				30 KG/SQ.M			360.00	KG	68.00	24480.00
									TOTAL	656117.16

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT DEWANGAN PARA WARD NO - 4 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

" RAIN WATER HARVESTING (1.00X1.00X1.20 M) "

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT SITAMANI/ IMALIDUGGU WARD NO - 8 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" STORAGE ROOM "

S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	1.2	Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed area).								
		Plot Area	1	13.50	7.00	-	94.50			
						Total	94.50	Sqm	7.20	680.00
2	1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	1.1.1	In all types of soil								
		Footing								
		F1	8	1.50	1.50	1.80	32.40			
		Below Plinth								
		Long Wall	2	10.70	0.40	0.20	1.71			
		Short Wall	2	4.40	0.40	0.20	0.70			
		step	1	1.20	1.00	0.20	0.24			
						Total	35.05	Cum	185.00	6484.00
3	2	Extra for every additional lift of 1.5 m or part thereof.								
	1.6.1	All types of soil								
		F1	8	1.50	1.50	0.30	5.40			
						Total	5.40	Cum	26.50	143.00
4	1.17	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.								
		Filling At Side 60%					21.03			
						Total	21.03	Cum	65.00	1367.00
5	1.18	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
		F1	8	1.50	1.50	0.10	1.80			

S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
		Floor	1	11.10	4.60	0.50	25.53			
		step	1	1.20	1.00	0.20	0.24			
		Long Wall	2	10.70	0.40	0.10	0.86			
		Short Wall	2	4.40	0.40	0.10	0.35			
						Total	28.78	Cum	371.00	10677.00
6	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	3.1.3	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
		Below Footing								
		F1	8	1.50	1.50	0.10	1.80			
		Floor Area	1	10.70	4.40	0.10	4.71			
		Below Plinth Beam								
		Long Wall	2	10.70	0.30	0.10	0.64			
		Short Wall	2	4.40	0.30	0.10	0.26			
		step	1	1.20	1.00	0.10	0.12			
						Total	7.53	Cum	2970.00	22364.00
7	3.13	Providing and laying damp proof course (upto 50mm thick) with plain cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20mm nominal size) including form work.								
		Long Wall	2	10.70	0.20	0.05	0.21			
		Short Wall	2	4.40	0.20	0.05	0.09			
						Total	0.30	Cum	4237.00	1271.00
8	3.15	Applying a coat of hot bitumen VG-10 using @ 1.7kg/ sqm on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.								
		Long Wall	2	10.70	0.20	-	4.28			
		Short Wall	2	4.40	0.20	-	1.76			
						Total	6.04	Sqm	93.50	565.00
9	3.2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	3.2.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
		Footing								
		F1	8	1.20	1.20	0.30	3.46			
		Column (Upto Ground Level)								
		C1	8	0.20	0.30	1.30	0.62	2.15		

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S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
	2.1.5	Columns, Pillars, Piers and likes- rectangular or square in shape								
		Column (Abv. Plinth Top to GF Slab Top)								
		C1	8	1.00	-	3.10	24.80			
						Total	24.80	Sqm	297.00	7366.00
	2.1.13	Weather shade, chhajja, Cornices and								
		Long Wall	1	11.50	0.60	-	6.90			
		Side	1	12.70	-	0.10	1.27			
						Total	8.17	Sqm	294.00	2402.00
	2.1.8	Beams, lintels, cantilevers & walls								
		Lintel Beam								
		Long Wall	2	10.70	-	0.15	3.21			
		Slab Beam								
		Long Wall	4	10.70	-	0.45	19.26			
		Short Wall	8	4.40	-	0.45	15.84	35.10		
						Total	38.31	Sqm	202.00	7739.00
	2.1.7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)								
		Slab								
		All Area	1	11.30	4.80	-	54.24			
						Total	54.24	Sqm	235.00	12746.00
	2.1.4	Edge of slab, breaks in floor and walls upto 200mm								
		Slab Edges at Slab Lvl	1	32.20	-	-	32.20			
						Total	32.20	Rm	34.00	1095.00
12	7.5	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and								
	7.5.4	Cement Mortar 1:6 (1 cement : 6 coarse sand)								
		step	1	1.20	0.90	0.15	0.16			
		step	1	1.20	0.60	0.15	0.11			
		step	1	1.20	0.30	0.15	0.05			
						Total	0.32	Cum	3263.00	1057.00
13	7.5	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:								
	7.5.4	Cement Mortar 1:6 (1 cement : 6 coarse sand)								
	7.6	Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:								
		Above Plinth								

S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
		Long Wall	2	10.70	0.20	2.95	12.63			
		Short Wall	2	4.40	0.20	2.95	5.19			
		Parapet	2	11.50	0.20	0.60	2.76			
			2	4.60	0.20	0.60	1.10			
		Deduction								
		D	2	1.20	0.20	2.10	-1.01			
		W	2	1.50	0.20	1.20	-0.72			
						Total	19.95	Cum	3384.00	67511.00
14	9.47	Providing and fixing aluminium work for doors, windows, ventilators and partitions made out of extruded aluminium standard sections (main section with minimum 1.5mm thickness) conforming to IS: 733, IS: 1285 mitred and jointed mechanically including aluminium cleats, neoprene weather stripping gasket beveled edge beading, screws duly fixed in wall/ floor with fixing clips or hold fasteners or bolts and nuts as required aluminium sections shall be anodized transparent or dyed to approved shade according to IS: 1868, minimum anodic coating shall be of grade AC-15. (Glazing to be paid for separately:								
	9.47.2	For shutter of doors, windows & ventilators including providing and making provision for fixing of fitting wherever required including the cost of PVC/ neoprene gasket required (Fittings shall be paid for separately).								
		W	2	1.50	-	1.20	3.60			
						Total	3.60	Sqm		
		For Weight	1	3.60	x	15.00	54.00	Kg		
						Total	54.00	Kg	338.00	18252.00
15	12.79.1 AS PER AMME NDME NT	Providing and laying vitrified floor tiles with double charge/ multi charge printing with water absorption less than 0.5% and conforming to IS : 15622 of approved make in all colours and shades and size mentioned below (+/- 10mm), laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.								
		12.79.1 Size 600x600mm								

S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
		area								
			1	11.10	4.60		51.06			
						Total	51.06	Sqm	1082.00	55247.00
11	12.50	KOTA stone slab 25mm thick in risers and treads of steps, skirting dado and pillar laid in 12mm (Average) thick cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete. (single stone is to be used for riser and treads of steps and the width of stone for skirting and dado shall be equal to the height of skirting/ dado up to length of 1.0 M.)								
		Steps	4.00	1.20	0.75		3.60			
							3.60	sqm	990.00	3564.00
16	11.1	Providing and making 6mm thick cement plaster of mix:								
	11.1.2	In Cement mortar 1:4 (1 cement : 4 fine sand)								
							24.80			
							8.17			
							35.10			
							54.24			
			1	32.20		0.125	4.03			
						Total	126.34	Sqm	87.00	10991.00
17	11.2	Providing and making 12mm thick cement plaster of mix:								
	11.2.4	In Cement Mortar 1:6 (1 cement : 6 fine sand)								
			2	11.10		3.00	66.60			
			2	4.60		3.00	27.60			
		Deduction								
		D	2	1.20		2.10	-5.04			
		W	2	1.50		1.20	-3.60			
						Total	85.56	Sqm	91.50	7829.00
18	11.3	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:								
	11.3.4	In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		Outer Plaster								
		Long Wall	2	11.50	-	5.10	117.30			
		Short Wall	2	5.00	-	5.10	51.00			
		Deduction								
		D	2	1.20		2.10	-5.04			
		W	2	1.50		1.20	-3.60			
						Total	159.66	Sqm	107.00	17084.00

S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
19	14.1	14.13 Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even.								
		As per item No-	16	-	-	-	126.34			
		As per item No-	17	-	-	-	85.56			
		As per item No-	18	-	-	-	159.66			
						Total	371.56	Sqm	94.50	35112.00
20	14.12	Applying one coat of cement primer on wall surface (applied @ 0.80 litrs/10 sqm) complete.								
				-	-	-	371.56			
						Total	371.56	Sqm	23.00	8546.00
21	14.9	Distempering with acrylic washable distemper to give an even shade.								
	14.9.1	On new work (Two or more coats)								
				-	-	-	85.56			
				-	-	-	126.34			
						Total	211.90	Sqm	38.00	8052.00
22	14.15	Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with:								
	14.15.1	On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)								
				-	-	-	159.66			
						Total	159.66	Sqm	56.00	8941.00
23	4.21	Providing post water proofing treatment against dampness & Seepage in roof, terraces, sunken floor of toilets with reinforced acrylic breathable (polymer content 35%, elongation at break at > 100%) coating consisting of following operations: i) Removing loose material and cleaning the surface. ii) Priming in one coat with water based acrylic emulsion. iii) Three coats with reinforced acrylic breathable polymer								

S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
			1	11.50	5.00		57.50			
Total							57.50	Sqm	611.00	35133.0
24	8.3	Providing 40x5mm iron hold fast 40cm long including fixing to frame with 10mm bolts nuts and wooden plug and embedding in Cement Concrete 1:2:4 in blocks of size 30x10x15cm.								
		DOOR	12	-	-	-	12.00			
Total							12.00	Each	72.50	870.0
25	8.12	Providing and fixing flush door shutters, conforming to IS : 2202 (Part-I), decorative type core of block board construction with frame of first class hard wood and well matched teak ply veneering with vertical grains or cross bands and face veneers on both faces of shutters excluding hinges.								
	8.12.2	35 mm. thick (single leaf)								
	8.15	Extra for double leaf shutter instead of single leaf.								
		Providing post water proofing treatment against dampness & Seepage in roof, terraces, sunken floor of toilets with reinforced acrylic breathable (polymer content 35%, elongation at break at > 100%) coating consisting of following operations: i) Removing loose material and cleaning the surface. ii) Priming in one coat with water based acrylic emulsion. iii) Three coats with reinforced acrylic breathable polymer	2	1.20	-	2.10	5.04			
Total							5.04	Sqm	2057.00	10367.0
26	8.58	Providing and fixing bright finished brass butt hinges with brass polished MS screws								
	8.58.2	100x85x5.50 mm (Heavy Type)								
		Providing post water proofing treatment against	12	-	-	-	12.00			
Total							12.00	Each	195.00	2340.0
27	8.60	Providing and fixing bright finished brass sliding door bolt with nuts and brass polished MS screws complete:								
	8.60.2	250x16mm								
		Providing post water proofing treatment against	2	-	-	-	2.00			
Total							2.00	Each	344.00	688.0

S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
28	8.61	Providing and fixing brass door latch with brass polished MS screws complete:								
	8.61.2	250x16x5 mm								
		Providing post water proofing treatment against	2	-	-	-	2.00			
						Total	2.00	Each	268.00	536.00
29	8.62	Providing and fixing bright finished brass tower bolts (barrel type) with brass polished MS screws complete:								
	8.62.2	200x10mm								
		Providing post water proofing treatment against	2	-	-	-	2.00			
						Total	2.00	Each	231.00	462.0
30	8.65	Providing and fixing bright finished brass door handles with brass polished MS screws complete:								
	8.65.1	125 mm								
			4	-	-	-	4.00			
						Total	4.00	Each	55.50	222.0
31	9.15	Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat welded to frame with all necessary fitting complete including applying a priming of red oxide zinc chromate primer.								
			2	1.50	-	1.20	3.60			
							3.60	Sqm		
		For Qty of steel= Area x 30.0 kg/Sqm	1	3.60	x	30.00	108.00			
						Total	108.00	kg	67.50	7290.0
32	9.51	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete. (Cost of aluminium snap beading shall be paid in basic item):								
	9.51.2	With float glass panes of 5 mm thickness								
		As Per Item No-	31	-	-	-	3.60			
						Total	3.60	Sqm	708.00	2549.0

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NAGAR PALIKA NIGAM, KORBA (C.G.)

WET WASTE TIPPING SHED AT SWM PLANT (4.00MX3.50M)

Based on C. G. P.W.D BUILDING S.O.R. IN FORCE FROM 1 JAN 2015

[illegible]

SN	DESCRIPTION OF ITEM		NO	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
	Footings									
	F1(1500X1500)	2	4	1.30		0.15	1.56			
		2	4		1.30	0.15	1.56			
	Column upto G L									
	C1(300X300)	2	4	0.30		0.65	1.56			
		2	4	0.30		0.65	1.56			
	Column above G L									
	C1(300X300)	2	4	0.30		0.30	0.72			
		2	4	0.30		0.30	0.72			
	total						7.68	139.00	sqm	1,067.52
5	3.2 Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works up to plinth level excluding cost of form work									
	3.2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal									
	F1(1800X1800)		4	1.30	1.30	0.20	1.35			
	0.3/6*((1.2*1.2)+(0.3*0.2)+(4*(1.2+0.3)/2*(1.2+0.2)/2))		4			0.20	0.80			
	Subtotal a						2.15			
	Column upto G L									
	C1(300X300)		4	0.30	0.30	0.65	0.23			
	Subtotal b						0.23			
	Column above G L									
	C1(300X300)		4	0.30	0.30	0.30	0.11			
	Subtotal c						0.11			
	total (a+b+c)						2.49	4163.00	cum	10,382.52
6	3.12 Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:									
	3.12.1 Thermo-Mechanically treated bars FE 415									
	Footing			2.15	1.00	78.50	168.93			
	Column			0.34	1.00	78.50	26.85			
	total						195.78	54.50	Kg	10,669.96
7	1.17 Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead									
	Total qty of excavation - sand filling+PCC+RCC upto GL						9.21			
	total						9.21	38.15	cum	351.21

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SN	DESCRIPTION OF ITEM		NO	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
10	10.12 Supply and fixing of polymer pre-coated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L.									
	PWD S.O.R.-P-91/I-10.11									
	Roofing		2	3.38	5.50		37.18			
	total						37.18	693.00	sqm	25,765.74
11	10.16 Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with									
	10.16.1 Ridges plain (500-600mm)									
	Ridge		1	5.50			5.50			
	total						5.50	552.00	mtr	3,036.00
12	10.16.6 Gutter. (600 mm over all girth).									
	Gutter		2	5.50			11.00			
	total						11.00	629.00	mtr	6,919.00
13	14.22 Painting on new work (two or more coats) to give an even shade with:									
	14.22.2 Premium synthetic enamel paint									
	On Steel Structure									
	pole	2	2	18.00			54.00			
	Truss	2	2	109.00			327.00			
	total						381.00	47.00	sqm	17,907.00
14	18.76 Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with									
	18.76.2 110 mm dia pipe.									
	Rain water Pipe		4	4.50			18.00			
	total						18.00	267.00	mtr	4,806.00

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT SITAMANI/ IMALIDUGGU WARD NO - 8 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

(Building SOR Items) W.E.F. - 01/01/2015

S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RATE	AMOUNT
SLRM FLOORING WORK										
2	(BUILDING SOR ITEM NO. 12.49/118)	25 mm thick KOTA stone slab flooring over 20mm (Average) thick base of cement mortar 1:4 laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including grinding rubbing and polishing etc. complete (Area of slab to be over 0.20 SQ.M and upto 0.50 SQ.M)								
			1.00	12.00	27.00	-	324.00			
		Add 10% Extra					32.40			
							356.40	SQ.M	897.00	319690.80
3	(BUILDING SOR ITEM NO.12.4/111)	52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic hardening compound of approved quality mixed with cement in ratio of 4:1 (4 cement : 1 metallic floor hardening compound by weight) including finishing etc. complete								
		Front & Back Side	2.00	34.00	2.50	-	170.00			
							170.00	SQ.M	441.00	74970.00
SLRM PAINTING WORK										
4	As per Ammendment no 08, 05/05/2025 item no.16.62	Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applied @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Promise sheen, Neroloc Lital Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article								
		INSIDE	2	24	-	1.2	57.60			
			1	9	-	1.2	10.80			
			3	12	-	3	108.00			
			6	3	-	3	54.00			
		Door Deduct	3	3	-	2.1	18.90			
			4	0.9	-	2.1	7.56			
						Total	203.94	Sqm	64.00	13052.16
5	As per Ammendment no 08, 05/05/2025 item no.14.67	Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S. Code 15489:2013 Type - 2 Class D,C (Glossy /Semi Glossy finish) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools								
		OUTSIDE	2	24	-	1.2	57.60			

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT SITAMANI/ IMALIDUGGU WARD NO - 8 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" RAIN WATER HARVESTING (1.00X1.00X1.20 M) "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soil								
	(BUILDING SOR ITEM NO.-1.1.1/9)	1	1.40	1.40	1.20	2.35	CUM	185.00	434.75
2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	bottom Beam-	2	1.40	0.20	0.20	0.11			
		2	1.00	0.20	0.20	0.08			
	Top Slab-	1	1.40	1.40	0.10	0.20			
	(BUILDING SOR ITEM NO.-3.9/24)					0.39	CUM	4163.00	1623.57
3	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete:								
		Qty. as per item No.-3.2.1				0.39			
	(SOR ITEM NO.-3.12.1/24)		50 kg/cum			19.5	KG	54.50	1062.75
4	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:								
	(BUILDING SOR ITEM NO.-7.5.4/45)	1	4.80	0.20	1.40	1.34	CUM	3263.00	4385.47
5	Supplying, filling, spreading & leveling stone boulders/ Gravels/ Coarse sand, in recharge pit, in the required layers and thickness, for all leads & lifts, all complete as per								
	Stone boulders of size range 5 cm to 20 cm, in recharge pit	1	1.00	1.00	0.40	0.40	CUM	863.00	345.20
	Gravels of size range 5 mm to 10 mm, over the existing layer	1	1.00	1.00	0.30	0.30	CUM	806.00	241.80
	Coarse sand of size range 1.5 mm to 2 mm over existing layer	1	1.00	1.00	0.20	0.20	CUM	471.00	94.20
	(BUILDING SOR ITEM NO.-21.14/201)								
	PIPELINE-								
6	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	In all types of soil	1	50.0	0.30	0.30	4.50	CUM	185.00	832.50
	(BUILDING SOR ITEM NO.-1.1/9)								
7	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm. In depth consolidation each deposited layer by ramming and watering with a lead upto 50M. And lift upto								
	50% of Item No 1	-	-	-	-	2.25	CUM	65.00	146.25
	(BUILDING SOR ITEM NO.-1.17/11)								

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT SITAMANI/ IMALIDUGGU WARD NO - 8 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

SANITARY REPAIRING

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same colour), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	18.4.2 Coloured pedestal type	1	-	-	-	1.00	EACH	3592.00	3,592.00
	(BUILDING SOR ITEM NO.-18.4/161)								
2	18.1 Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	Coloured Orissa pattern W.C. pan of size 580x440 mm	1	-	-	-	1.00	EACH	3545.00	3,545.00
	(BUILDING SOR ITEM NO.-18.1/160)								
3	Providing and fixing 10 litre capacity P.V.C. low level flushing cistern conforming to IS : 7231, with all fittings and fixtures complete.								
	18.7.2 Coloured	2	-	-	-	2.00	EACH	837.00	1,674.00
	(BUILDING SOR ITEM NO.-18.7/161)								
4	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :								
	Coloured Size 550x450 mm	1	-	-	-	1.00	EACH	1894.00	1,894.00
	(BUILDING SOR ITEM NO.-18.17/162)								
5	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm								
	18.76.1 75 mm dia pipe.	1	5.00	-	-	5.00	MTR	182.00	910.00
	18.76.2 110 mm dia pipe.	1	5.00	-	-	5.00	MTR	267.00	1,335.00
	(BUILDING SOR ITEM NO.-18.76/170)								
6	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.								
	Tee/ Tee with door/ Bend 45°/ Bend 90°								
	18.77.1.1 75 mm	5	-	-	-	5.00	EACH	113.00	565.00
	18.77.1.2 110 mm	5	-	-	-	5.00	EACH	154.00	770.00
	Vent covel								
	18.77.3.1 75 mm	4	-	-	-	4.00	EACH	34.00	136.00
	18.77.3.2 110 mm	4	-	-	-	4.00	EACH	44.00	176.00
	Access door cap								
	18.77.4.1 75 mm	10	-	-	-	10.00	EACH	49.50	495.00
	18.77.4.2 110 mm	10	-	-	-	10.00	EACH	59.00	590.00
	18.77.6 Nahani Trap 110	10	-	-	-	10.00	EACH	90.50	905.00
	(BUILDING SOR ITEM NO.-18.77/170)								

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
7	Providing and fixing UV stabilized Unplasticised PVC pipe clips of approved design to Rigid PVC pipes by means of 50 x 50 x 50 mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1cement :4 coarse sand) and making good the wall etc. complete.								
	18.78.1 75 mm	10	-	-	-	10.00	EACH	57.00	570.00
	18.78.2 110 mm	10	-	-	-	10.00	EACH	61.00	610.00
	(BUILDING SOR ITEM NO.-18.78/171)								
8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.CONCEALED WORK including cutting chases and making good the walls etc.,								
	19.5.1 15 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	133.00	665.00
	19.5.2 20 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	167.00	835.00
	(BUILDING SOR ITEM NO.-19.5/176)								
9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.INTERNAL WORK - EXPOSED ON WALL.								
	19.4.3 25 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	199.00	995.00
	19.4.4 32 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	271.00	1,355.00
	19.4.5 40 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	362.00	1,810.00
	(BUILDING SOR ITEM NO.-19.5/176)								
10	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete:								
	19.7.6 50 mm dia. nominal bore	1	5.00	-	-	5.00	MTR	471.00	2,355.00
	(BUILDING SOR ITEM NO.-19.7/177)								
11	Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:								
	19.14.1 Bib cock (400 grams)	2	-	-	-	2.00	EACH	382.00	764.00
	19.14.6 Stop cock (concealed) (600 grams)	2	-	-	-	2.00	EACH	494.00	988.00
	19.14.4 Piller Cock (400 grams)	2	-	-	-	2.00	EACH	398.00	796.00
	19.14.14 Soap dish plate	2	-	-	-	2.00	EACH	163.00	326.00
	(BUILDING SOR ITEM NO.-19.14/179)								
12	Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.								
	18.25.2 40 mm dia								
	(BUILDING SOR ITEM NO.-18.25.2/164)	4	-	-	-	4.00	EACH	88.50	354.00
13	Providing and fixing 600x450 mm beveled edge 4mm mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.								

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT PODIBAHAR WARD NO - 29 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" SHED FOR BALED & RECYCLABLE MATERIAL - 32.0 X 3.0 M "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Dismantling flag stone flooring laid in cement/lime mortar including stacking of serviceable material and disposal of unserviceable material within 50 metre lead.								
		1	35.00	3.00		105.00			
	(BUILDING SOR ITEM NO.- 16.8/146)					105.00	SQ.M	57.00	5985.00
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. 1.1.1) In all types of soil								
	F1-	11	1.50	1.50	1.80	44.55			
	(BUILDING SOR ITEM NO.-1.1.1/9)					44.55	CUM	185.00	8242.00
3	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	F1-	11	1.50	1.50	1.80	44.55			
	Deduction- Sand cushion, pcc,footing,column up to GL-					-11.88			
	F1-	11	1.50	1.50	0.15	3.71			
	Floor	1	35.00	3.00	0.15	15.75			
	(BUILDING SOR. ITEM NO.-1.18/11)					52.13	CUM	371.00	19341.00
4	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). M-10								
	F1-	11	1.50	1.50	0.15	3.71			
	(BUILDING SOR. ITEM NO.- 3.1.3/23)					3.71	CUM	2970.00	11026.13
5	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). Grade of Concrete M-20								
	Footing-								
	F1-	11	1.20	1.20	0.20	3.17			
	Column upto Ground level-								
	C1-	11	0.30	0.30	1.30	1.29			
	Column upto Plinth level-								
	C1-	11	0.30	0.30	0.175	0.17			
	Column above Plinth level-								
	C1-	11	0.30	0.30	3.00	2.97			
	Ground Beam	2	41.00	0.30	0.20	4.92			
	(BUILDING SOR ITEM NO.- 3.2/23)					12.52	CUM	4163.00	52113.00
6	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415								
		Quantity as per item 3.3				12.52			
	(BUILDING SOR. ITEM NO.-3.12.1/24)		80kg/cum			1001.46	KG	54.50	54580.00

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
7	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
	Footing-								
	F1-	22	1.20	-	0.20	5.28			
		22	-	1.20	0.20	5.28			
	Column upto Ground level-								
	C1-	22	0.30	-	1.30	8.58			
		22	-	0.30	1.30	8.58			
	Column upto Plinth level-								
	C1-	22	0.30		0.175	1.16			
		22	-	0.30	0.175	1.16			
	Column above plinth								
	C1-	22	0.30		3.00	19.80			
		22	-	0.30	3.00	19.80			
	Ground Beam	2	41.00		0.300	24.60			
	(BUILDING SOR ITEM NO.- 2.1.1/16)					94.23	SQ.M	139.00	13098.00
8	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer. 9.3.2 Electric resistance or induction butt welded tubes Grade-300								
	Shed area	1	32.00	3.00	-	96.00			
						35KG/SQM	3360.00	KG	93.50
	(BUILDING SOR ITEM NO.- 9.3.2/80)								
9	10.12 Supply and fixing of polymer precoated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.								
	Top Roof	1	3.00	32.00	-	96.00			
	Side of Truss	2	3.00		1.50	9.00			
						105.00	SQM	693.00	72765.00
	(BUILDING SOR ITEM NO.- 10.12/91)								
10	10.16 Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete :								

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S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
16	Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applied @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Pomise sheen, Neroloc Litol Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour complete for the work.								
	INNER	1.00	41.00	-	3.00	123.00			
	As per Ammendment no 08, 05/05/2025 item no.16.62				Total	123.00	SQ.M	64.00	7872.00
17	Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S, Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2 Year Warranty)								
	OUTER	1.00	41.00	-	3.00	123.00			
	As per Ammendment no 08, 05/05/2025 item no.14.67				Total	123.00	SQ.M	70.00	8610.00
								Total Rs.	704451.00

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT PODIBAHAR WARD NO - 29 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

WET WASTE TIPPING SHED AT SWM PLANT (5.00MX6.00M)

Based on C. G. P.W.D BUILDING S.O.R. IN FORCE FROM 1 JAN 2015

SN	DESCRIPTION OF ITEM		NO	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
1	1.1 Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead									
	1.1.1 In all types of soils.									
	F1(1500X1500)		8	1.50	1.50	1.50	27.00			
	total						27.00	185.00	cum	4,995.00
2	1.18 Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc complete.									
	Footing									
	F1(1500X1500)		8	1.50	1.50	0.10	1.80			
	total						1.80	371.00	cum	667.80
3	3.1 Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form									
	3.1.3 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal									
	Footing									
	F1(1500X1500)		8	1.50	1.50	0.10	1.80			
	total						1.80	2970.00	cum	5,346.00
4	7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:									
	7.5.4 Cement Mortar 1:6 (1 cement : 6									
	Below Plinth Level									
	L Wall		4	2.14	0.30	0.30	0.77			
	X Wall		4	2.64	0.30	0.30	0.95			
			1	4.58	0.30	0.30	0.41			
	total						2.13	3263.00	cum	6,959.98

SN	DESCRIPTION OF ITEM		NO	MEASUREMENT			QTY	RATE	UNI T	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
5	2.1 Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal									
	2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below									
	Footings									
	F1(1500X1500)	2	8	1.30		0.15	3.12			
		2	8		1.30	0.15	3.12			
	Column upto G L									
	C1(300X300)	2	8	0.30		0.65	3.12			
		2	8	0.30		0.65	3.12			
	Column above G L									
	C1(300X300)	2	8	0.30		0.30	1.44			
		2	8	0.30		0.30	1.44			
	Plinth Beam									
	L Wall	2	4	2.14		0.30	5.14			
	X Wall	2	4	2.64		0.30	6.34			
		2	1	4.58		0.30	2.75			
	total						29.58	139.00	sqm	4,111.62
6	3.2 Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works up to plinth level excluding cost of form work									
	3.2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal									
	F1(1500X1500)		8	1.30	1.30	0.20	2.70			
	0.3/6*((1.2*1.2)+(0.3*0.2)+(4*(1.2+0.3)/2*(1.2+0.2)/2))		8			0.20	1.60			
	Subtotal a						4.30			
	Column upto G L									
	C1(300X300)		8	0.30	0.30	0.65	0.47			
	Subtotal b						0.47			
	Column above G L									
	C1(300X300)		8	0.30	0.30	0.30	0.22			
	Subtotal c						0.22			
	Plinth Beam									
	L Wall		4	2.14	0.30	0.30	0.77			
	X Wall		4	2.64	0.30	0.30	0.95			
			1	4.58	0.30	0.30	0.41			
	Subtotal d						2.13			
	total (a+b+c)						7.12	4163.00	cum	29,644.72

SN	DESCRIPTION OF ITEM		NO	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
7	3.12 Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:									
	3.12.1 Thermo-Mechanically treated bars FE 415									
	Footing			4.30	1.00	78.50	337.86			
	Column			0.68	1.00	78.50	53.69			
	Plinth Beam			2.13	1.00	78.50	167.44			
	total						559.00	54.50	Kg	30,465.42
8	1.17 Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M.									
	Total qty of excavation - sand filling+PCC+RCC upto GL						16.28			
	total						16.28	38.15	cum	621.04
9	11.2 Providing and making 12mm thick cement plaster of mix:									
	11.2.4 In Cement Mortar 1:6 (1 cement : 6									
	C1(300X300)	4	8	0.30		0.30	2.88			
	total						2.88	91.50	sqm	263.52

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DETAILED ESTIMATE FOR PROPOSED WORK OF " SLRM CENTRE AT PODIBAHAR WARD NO - 29 " NAGAR PALIKA NIGAM, KORBA (C.G.)
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(Building SOR Items) W.E.F. - 01/01/2015

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT PODIBAHAR WARD NO - 29 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" RAIN WATER HARVESTING (1.00X1.00X1.20 M) "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soil								
	(BUILDING SOR. ITEM NO.-1.1.1/9)	1	1.40	1.40	1.20	2.35	CUM	185.00	434.75
2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	bottom Beam-	2	1.40	0.20	0.20	0.11			
		2	1.00	0.20	0.20	0.08			
	Top Slab-	1	1.40	1.40	0.10	0.20			
	(BUILDING SOR ITEM NO.-3.9/24)					0.39	CUM	4163.00	1623.57
3	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: 3.12.1 Thermo-Mechanically treated bars FE 415								
		Qty. as per item No.-3.2.1				0.39			
	(SOR ITEM NO.-3.12.1/24)	50 kg/cum				19.5	KG	54.50	1062.75
4	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:								
	(BUILDING SOR ITEM NO.-7.5.4/45)	1	4.80	0.20	1.40	1.34	CUM	3263.00	4385.47
5	Supplying, filling, spreading & leveling stone boulders/ Gravels/ Coarse sand, in recharge pit, in the required layers and thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.								
	Stone boulders of size range 5 cm to 20 cm, in recharge pit	1	1.00	1.00	0.40	0.40	CUM	863.00	345.20
	Gravels of size range 5 mm to 10 mm, over the existing layer of	1	1.00	1.00	0.30	0.30	CUM	806.00	241.80
	Coarse sand of size range 1.5 mm to 2 mm over existing layer of	1	1.00	1.00	0.20	0.20	CUM	471.00	94.20
	(BUILDING SOR ITEM NO.-21.14/201)								
	PIPELINE-								
6	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	In all types of soil	1	50.0	0.30	0.30	4.50	CUM	185.00	832.50
	(BUILDING SOR ITEM NO.-1.1/9)								
7	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm. In depth consolidation each deposited layer by ramming and watering with a lead upto 50M. And lift upto 1.5M.								
	50% of Item No 1	-	-	-	-	2.25	CUM	65.00	146.25
	(BUILDING SOR ITEM NO.-1.17/11)								
8	Providing and filling in open area with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	50% of Item No 1 - Pipe Dia	-	-	-	-	2.25	CUM	371.00	834.75
	(BUILDING SOR ITEM NO.-1.18/11)								

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
9	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10								
	150 mm dia	1	50.00	-	-	50.00	RM	440.00	22000.00
	(BUILDING SOR ITEM NO.-18.76.3/170)								
								Total Rs.	32001.00

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT PODIBAHAR WARD NO - 29 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

SANITARY REPAIRING

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same colour), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls								
	18.4.2 Coloured pedestal type	1	-	-	-	1.00	EACH	3592.00	3,592.00
	(BUILDING SOR ITEM NO.-18.4/161)								
2	18.1 Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	Coloured Orissa pattern W.C. pan of size 580x440 mm	1	-	-	-	1.00	EACH	3545.00	3,545.00
	(BUILDING SOR ITEM NO.-18.1/160)								
3	Providing and fixing 10 litre capacity P.V.C. low level flushing cistern conforming to IS : 7231, with all fittings and fixtures complete.								
	18.7.2 Coloured	2	-	-	-	2.00	EACH	837.00	1,674.00
	(BUILDING SOR ITEM NO.-18.7/161)								
4	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :								
	Coloured Size 550x450 mm	1	-	-	-	1.00	EACH	1894.00	1,894.00
	(BUILDING SOR ITEM NO.-18.17/162)								
5	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm								
	18.76.1 75 mm dia pipe.	1	5.00	-	-	5.00	MTR	182.00	910.00
	18.76.2 110 mm dia pipe.	1	5.00	-	-	5.00	MTR	267.00	1,335.00
	(BUILDING SOR ITEM NO.-18.76/170)								
6	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.								
	Tee/ Tee with door/ Bend 45°/ Bend 90°								
	18.77.1.1 75 mm	5	-	-	-	5.00	EACH	113.00	565.00
	18.77.1.2 110 mm	5	-	-	-	5.00	EACH	154.00	770.00
	Vent cove								
	18.77.3.1 75 mm	4	-	-	-	4.00	EACH	34.00	136.00
	18.77.3.2 110 mm	4	-	-	-	4.00	EACH	44.00	176.00
	Access door cap								
	18.77.4.1 75 mm	10	-	-	-	10.00	EACH	49.50	495.00
	18.77.4.2 110 mm	10	-	-	-	10.00	EACH	59.00	590.00
	18.77.6 Nahani Trap 110	10	-	-	-	10.00	EACH	90.50	905.00
	(BUILDING SOR ITEM NO.-18.77/170)								
7	Providing and fixing UV stabilized Unplasticised PVC pipe clips of approved design to Rigid PVC pipes by means of 50 x 50 x 50 mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1cement :4 coarse sand) and making good the wall etc. complete.								
	18.78.1 75 mm	10	-	-	-	10.00	EACH	57.00	570.00
	18.78.2 110 mm	10	-	-	-	10.00	EACH	61.00	610.00
	(BUILDING SOR ITEM NO.-18.78/171)								

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.CONCEALED WORK including cutting chases and making good the walls etc.,								
	19.5.1 15 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	133.00	665.00
	19.5.2 20 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	167.00	835.00
	(BUILDING SOR ITEM NO.-19.5/176)								
9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.INTERNAL WORK - EXPOSED ON WALL.								
	19.4.3 25 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	199.00	995.00
	19.4.4 32 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	271.00	1,355.00
	19.4.5 40 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	362.00	1,810.00
	(BUILDING SOR ITEM NO.-19.5/176)								
10	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete:								
	19.7.6 50 mm dia. nominal bore	1	5.00	-	-	5.00	MTR	471.00	2,355.00
	(BUILDING SOR ITEM NO.-19.7/177)								
11	Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:								
	19.14.1 Bib cock (400 grams)	2	-	-	-	2.00	EACH	382.00	764.00
	19.14.6 Stop cock (concealed) (600 grams)	2	-	-	-	2.00	EACH	494.00	988.00
	19.14.4 Piller Cock (400 grams)	2	-	-	-	2.00	EACH	398.00	796.00
	19.14.14 Soap dish plate	2	-	-	-	2.00	EACH	163.00	326.00
	(BUILDING SOR ITEM NO.-19.14/179)								
12	Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.								
	18.25.2 40 mm dia								
	(BUILDING SOR ITEM NO.-18.25.2/164)	4	-	-	-	4.00	EACH	88.50	354.00
13	Providing and fixing 600x450 mm beveled edge 4mm mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.								
	(BUILDING SOR ITEM NO.-18.29/164)	2	-	-	-	2.00	EACH	599.00	1,198.00
14	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :								
	18.30.1 5mm thick mirror								
	(BUILDING SOR ITEM NO.-18.30/164)	2	0.60	0.60	-	0.72	SQ.M	2016.00	1,452.00
15	Making connection of G.I. distribution branch in G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete: (dia of main line to be measured)								
	19.10.4 50 mm nominal bore	5	-	-	-	5.00	EACH	347.00	1,735.00
	(BUILDING SOR ITEM NO.-19.10/178)								
16	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):								
	19.16.4 50 mm nominal bore	2	-	-	-	2.00	EACH	762.00	1,524.00
	(BUILDING SOR ITEM NO.-19.16/179)								
17	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :								

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT VAISHALI NAGAR WARD NO - 59 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

PROPOSED SHED FOR STORAGE (15.00X10.00 M.)

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. 1.1.1) In all types of soil								
	F1-	10	1.80	1.80	1.50	48.60			
	(BUILDING SOR ITEM NO.-1.1.1/9)					48.60	CUM	185.00	8991.00
2	Providing and rining in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete								
	Sand Filling F1-	10	1.80	1.80	0.10	3.24			
	Floor Area	1	15.00	10.00	0.60	90.00			
	(BUILDING SOR. ITEM NO.-1.18/11)					93.24	CUM	371.00	34592.00
3	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). M-10								
	F1-	10	1.80	1.80	0.10	3.24			
	Floor Area	1	15.00	10.00	0.60	90.00			
	(BUILDING SOR. ITEM NO.- 3.1.3/23)					93.24	CUM	2970.00	276922.80
4	Cement concrete flooring with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm) finished with a floating coat of port cement, 40 mm thick								
	Floor area	1	15.00	10.00		150.00	sqm	222.00	33300.00
	(BUILDING SOR ITEM NO.- 12.3)								
5	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). Grade of Concrete M-20								
	Footing-								
	F1-	10	1.50	1.50	0.30	6.75			
	Column upto Ground level-								
	C1-	10	0.45	0.30	1.00	1.35			
	Column Above Ground level-								
	C1-	10	0.45	0.30	4.00	5.40			
	(BUILDING SOR ITEM NO.- 3.2/23)					13.50	CUM	4163.00	56201.00
6	Rining from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M								
	(BUILDING SOR ITEM NO.- 1.17)					29.16	CUM	65.00	1895.40
7	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415								
	Quantity as per item 3.3					13.50			

S.No.	PARTICULAR	NO.		L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
	(BUILDING SOR. ITEM NO.-3.12.1/24)			80kg/cum			1080.00	KG	54.50	58860.00
8	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.									
	Footing-									
	F1-	10		6.00	-	0.30	18.00			
	Column upto Ground level-									
	C1-	10		1.50	-	1.00	15.00			
	Column Above Ground level-									
	C1-	10		1.50		4.00	60.00			
	(BUILDING SOR ITEM NO.- 2.1.1/16)						93.00	SQ.M	139.00	12927.00
9	Brick work with modular fly-ash lime bricks (PALEO BRICKS) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth line.									
	Cement Mortar 1:6 (1 cement : 6 coarse sand)									
	Long wall	2	4	3.37	0.20	4.00	21.57			
	Short wall	1	2	9.10	0.20	4.00	14.56			
	For Traingular Area (1/2xbxh)(1/2x5x1.2 =3.00 sqm)	2	2	3.00	sqm	0.20	2.40			
	Deduction									
	W	1	4	1.20	0.20	1.20	-1.15			
	Rolling Shutter	1	1	3.77	0.20	3.50	-2.64			
	(BUILDING SOR ITEM NO.- 7.5.4)						34.74	Cum	3263.00	113346.83
10	11.2 Providing and making 12mm thick cement plaster of mix: 11.2.4 In Cement Mortar 1:6 (1 cement : 6 fine sand)									
	Long wall	2	4	3.37		4.00	107.84			
	Short wall	1	2	9.10		4.00	72.80			
	For Traingular Area (1/2xbxh)(1/2x5x1.2 =3.00 sqm)	2	2	3.00			12.00			
	Deduction									
	W	1	4	1.20		1.20	-5.76			
	Rolling Shutter	1	1	3.77		3.50	-13.20			
	(BUILDING SOR ITEM NO.- 11.2.4)						173.69	Sqm	91.50	15892.18
11	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall 11.3.3 In Cement Mortar 1:5 (1 cement : 5 fine sand)									
	C1-		10	1.50		4.00	60.00			
	Long wall	2	4	3.37		4.20	113.23			
	Short wall	1	2	9.10		4.20	76.44			
	For Traingular Area (1/2xbxh)(1/2x5x1.2 =3.00 sqm)	2	2	3.00			12.00			
	Deduction									
	W	1	4	1.20		1.20	-5.76			
	Rolling Shutter	1	1	3.77		3.50	-13.20			
	(BUILDING SOR ITEM NO.- 11.3)						242.72	Sqm	113.00	27427.02
12	Supplying and fixing rolling shutter of approved makes made of M.S. laths interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and out side locking with push and pull arrangement complete but excluding the cost of top cover and spring.									
	Rolling Shutter	1	1	3.77		3.50	13.20	Sqm	1691.00	22312.75
	(BUILDING SOR ITEM NO.- 9.27.1)									
13	Providing and fixing 27.5cm long wire spring for rolling shutters.									
	(BUILDING SOR ITEM NO.- 9.28)						2.00	each	362.00	724.00

S.No.	PARTICULAR	NO.		L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
14	Providing and fixing M.S. sheet top cover for rolling shutter (BUILDING SOR ITEM NO.- 9.29)	1	1	3.77			3.77	Sqm	540.00	2035.80
15	Providing and fixing ball bearing for rolling shutters (BUILDING SOR ITEM NO.- 9.30)						2.00	each	423.00	846.00
16	9.15 Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat welded to frame with all necessary fitting complete including applying a priming of red oxide W	1	4	1.20		1.20	5.76			
	For Qty of steel= Area x 25.0 kg/Sqm (BUILDING SOR ITEM NO.- 9.15)	5.76	X	25.00			144.00	kg	67.50	9720.00
17	9.51 Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete. (Cost of aluminium snap beading shall be paid in basic With float glass panes of 5 mm thickness (BUILDING SOR ITEM NO.- 9.51)						5.76	Sqm	708.00	4078.08
18	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer. 9.3.2 Electric resistance or induction butt welded tubes Grade 300 Purlin Tie beam NB 50mm Dia	1.00	16.00	15.00	@	5.44	1305.60			
	principal rafter NB 65, 5.16 mm thick	5.00	2.00	5.60	@	8.63	483.28			
	bottom chord	5.00	1.00	11.20	@	8.63	483.28			
	Post NB 65	5.00	2.00	1.20	@	8.63	103.56			
	Post NB 50 ,3.91 thick	5.00	2.00	0.85	@	5.44	46.24			
	Post NB 50	5.00	2.00	0.60	@	5.44	32.64			
	Post NB 50	5.00	2.00	0.35	@	5.44	19.04			
	Post NB 50	5.00	2.00	0.20	@	5.44	10.88			
	webs 50mm dia	5.00	2.00	1.45	@	5.44	78.88			
		5.00	2.00	1.35	@	5.44	73.44			
		5.00	2.00	1.25	@	5.44	68.00			
		5.00	2.00	0.75	@	5.44	40.80			
	Wind tie 32x5mm	5.00	2.00	15.00	@	1.30	195.00			
							2940.64			
	(Extra for gusset, , washer bolting connection etc)	10%				LS	294.06			
							3234.70	KG	93.50	302444.82
19	10.12 Supply and fixing of polymer precoated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness(TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. Top Roof (BUILDING SOR ITEM NO.- 10.12/91)	1	2	15.00	5.60	-	168.00			
							168.00	SQM	693.00	116424.00

S.No.	PARTICULAR	NO.		L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
20	10.16 Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete :									
	10.16.1 Ridges plain (500-600mm)	1	1	15.00			15.00	Mtr	552.00	8280.00
	(BUILDING SOR ITEM NO.- 10.16)									
21	Providing and fixing 15 cm. wide 45cm. overall semi circular plain G.I. sheet gutter with iron brackets 40x3 mm size, bolts, nuts and washers etc. including making necessary connections with rain water pipe complete as per designs. 0.63 mm thick sheet	1	2	15.20			30.40	Mtr	629.00	19121.60
	(BUILDING SOR ITEM NO.- 10.16.6)									
22	Providing and applying of Acrylic primer on all surface applied @0.80 litres/10 sqm as per relevant I.S. code 15489:1974 (Product such as Asian Spark/suprimo , J.K. Primer, Dulux Acrylic Primer) with all tools tackles and labour etc. complete for the work.									
	As per Ammendment no 08, 05/05/2025 item no.16.60						173.69			
							242.72			
	(BUILDING SOR ITEM NO.- 14.12)						416.40	Sqm	37.00	15406.87
23	Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applied @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark □Dulux Pomise sheen, Neroloc Litol Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and									
	As per Ammendment no 08, 05/05/2025 item no.16.62						173.69	Sqm	64.00	11115.84
24	Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S, Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and									
	As per Ammendment no 08, 05/05/2025 item no.14.67									
							242.72	Sqm	70.00	16990.19
25	Providing and applying priming coat on steel work with red Oxide/ zinc phosphate primer applied @ 0.50 lit /Sqm as per relevant code 3536:1999 (product such as Asian Zinc phosphate , Dulux Steel primer, Burger Red oxide primer) with all tools tackles and labour etc. complete for the work.									
	As per Ammendment no 08, 05/05/2025 item no.14.74									
	Purlin Tie beam NB 50mm Dia	1.00	16.00	15.00	@	0.16	38.40			
	principal rafter NB 65, 5.16 mm thick	5.00	2.00	5.60	@	0.20	11.20			
	bottom chord	5.00	1.00	11.20	@	0.20	11.20			
	Post NB 65	5.00	2.00	1.20	@	0.20	2.40			
	Post NB 50 ,3.91 thick	5.00	2.00	0.85	@	0.16	1.36			
	Post NB 50	5.00	2.00	0.60	@	0.16	0.96			

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT VAISHALI NAGAR WARD NO - 59 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

"BOUNDARY WALL WITH CHAIN LINKED FENCING - 82.00 M"

S.No.	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	(SOR ITEM NO.-1.1.1/9)								
	1.1.1) In all types of soil								
	F1	24	1.20	1.20	1.50	51.84			
						51.84	CUM	185.00	9590.00
2	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	F1	24	1.20	1.20	0.10	3.46			
	(BUILDING SOR. ITEM NO.-1.18/11)					3.46	CUM	371.00	1282.00
2	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work.								
	(SOR. ITEM NO.- 3.1.3/23)								
	3.1.3) 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
		24	1.20	1.20	0.10	3.46			
						3.46	CUM	2970.00	10264.00
3	Providing and laying nominal mix reinforced cement concrete with crushed graded stone aggregate 20mm nominal size using batching plant, transit mixer and concrete pump, in all works upto plinth level excluding cost of form work.								
	(SOR. ITEM NO.- 3.2.1/23)								
	3.4.2) 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	Column footing	24	0.90	0.90	0.20	3.89			
	Ground Beam	1	82.00	0.20	0.30	4.92			
	Column upto Ground level -								
	C1-	24	0.20	0.20	0.60	0.58			
	Column above Ground level -								
	C1-	24	0.20	0.20	0.90	0.86			
						10.25	CUM	4163.00	42662.00
7	Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:								
	(SOR. ITEM NO.-3.4/23)								
						0.86	CUM	97.50	84.00
8	Providing and placing in position reinforcement for R.C.C.								

S.No.	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
	work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete:								
	(SOR. ITEM NO.-3.12.1/24)								
	3.12.1)Thermo-Mechanically treated bars FE 415					10.25			
		Quantity as per item N							
			@ 80 kg/cum			819.84	KG	54.50	44681.28
9	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
	(SOR ITEM NO.-2.1.1/16)								
	Foundations, footings, base of columns and plinth beam in any shape and size.								
	Footings	4x24	0.90		0.20	17.28			
	Column upto Ground level -	4x24	0.20		0.60	11.52			
	Ground Beam	2	82.00		0.20	32.80			
						61.60	SQM	139.00	8562.00
	Columns, Pillars, Piers and likes- rectangular or square in shape								
	(SOR ITEM NO.- 2.1.5/16)								
	Column above Ground level -	4x24	0.20		0.90	17.28			
						17.28	SQM	297.00	5132.00
10	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:12894-2002 of class designation 40 in foundation and plinth in:								
	(SOR. ITEM NO.- 7.5.4/45)								
	Cement Mortar 1:6 (1 cement : 6 coarse sand)								
	Extra for brick work in superstructure:								
	Above plinth and upto floor five level								
	(SOR. ITEM NO.- 7.6/45)								
		1	79.00	0.20	0.90	14.22			
							(3263+121)		
						14.22	CUM	3384.00	48120.48
11	Providing and making 12mm.thick cement plaster of mix : In Cement Mortar 1:6 (1 Cement : 6 fine Sand)								
		2	79.00		1.00	158.00			
	(BUILDING SOR. ITEM NO.-11.2/103)					158.00	SQM	91.50	14457.00
12	White washing with lime to give an even shade.								
	a) On new work (Three or more coats)								
	(SOR. ITEM NO.-14.5.1/132)								
						158.00	SQM	9.40	1485.20
13	Painting exterior surface with TEXTURED exterior paint of On new work (Two or more coats applied @ 3.28 ltr/10 sqm)	2.00	79.00	1.00		158.00			
						158.00	SQM	140.00	22120.00
	(SOR. ITEM NO.-14.22.2/132)								
14	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.								
	9.6.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.								
	Top Rail	1.00	79.00	-	-	79.00			
		3.80 KG/MTR				300.20			

S.No.	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
	Vertical- post-	1.00	24.00	-	1.50	36.00			
		14.80 KG/MTR				532.80			
						833.00	KG	68.00	56644.00
	(BUILDING SOR. ITEM NO.- 9.6.2/80)								
15	Providing and fixing in position chain linked steel wire fabric made of 4 mm dia G.I. wire of required width in mesh to concrete/ wooden/ angle iron posts including securing and screwing with 2mm dia G.I. wire, G.I. staples, G.I.U-nails or steel pins etc., complete.								
		1.00	64.00	-	1.50	96.00			
	(BUILDING SOR ITEM NO.- 9.43.1/84)					96.00	SQ.M	331.00	31776.00
16	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.								
	(BUILDING SOR. ITEM NO.- 9.6.2/80)								
	GATE	1	6.00	3.00		18.00			
			30 KG/SQ.M			540.00	KG	68.00	36720.00
Total Rs.									333579.96

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT VAISHALI NAGAR WARD NO - 59 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

DETAILED ESTIMATE FOR CONSTRUCTION OF WET WASTE TIPPING SHED (5.00MX6.00M)

Based on C. G. P.W.D BUILDING S.O.R. IN FORCE FROM 1 JAN 2015

SN	DESCRIPTION OF ITEM	N O	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
			L	B	H/D				
I	II	III	IV	V	VI	VII	VIII	IX	X
1	1.1 Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto								
	1.1.1 In all types of soils.								
	F1(1500X1500)	8	1.50	1.50	1.50	27.00			
	total					27.00	185.00	cum	4,995.00
2	1.18 Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc complete.								
	Footing								
	F1(1500X1500)	8	1.50	1.50	0.10	1.80			
	total					1.80	371.00	cum	667.80
3	3.1 Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form								
	3.1.3 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
	Footing								
	F1(1500X1500)	8	1.50	1.50	0.10	1.80			
	total					1.80	2970.00	cum	5,346.00
4	7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:								
	7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse								
	Below Plinth Level								
	L Wall	4	2.14	0.30	0.30	0.77			
	X Wall	4	2.64	0.30	0.30	0.95			
		1	4.58	0.30	0.30	0.41			
	total					2.13	3263.00	cum	6,959.98

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SN	DESCRIPTION OF ITEM		N O	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
18	18.76 Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers jointing with									
	18.76.2 110 mm dia pipe.									
	Rain water Pipe		4	4.50			18.00			
	total						18.00	267.00	mtr	4,806.00
19	12.4 52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm									
			1	5.00	6.00		30.00			
	total						30.00	441.00	sqm	13,230.00
									Total	338,128.04
									Add 3% Electrical and Plumbing Work	10,143.84
									SUB TOTAL	348,271.89

DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT VAISHALI NAGAR WARD NO - 59 "
NAGAR PALIKA NIGAM, KORBA (C.G.)

(Building SOR Items) W.E.F. - 01/01/2015

S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RATE	AMOUNT
SLRM FLOORING WORK										
8	(BUILDING SOR ITEM NO. 12.49/118)	25 mm thick KOTA stone slab flooring over 20mm (Average) thick base of cement mortar 1:4 laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including grinding rubbing and polishing etc. complete (Area of slab to be over 0.20 SQ.M and upto 0.50 SQ.M)								
			1.00	12.00	27.00	-	324.00			
		Add 10% Extra					32.40			
							356.40	SQ.M	897.00	319690.80
	(BUILDING SOR ITEM NO.12.4/111)	52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic hardening compound of approved quality mixed with cement in ratio of 4:1 (4 cement : 1 metallic floor hardening compound by weight) including finishing etc. complete								
		Compost Pit Area	1.00	426.00		-	426.00			
		Passage For Compost Pit	1.00	4.00	21.00	-	84.00			
							510.00	SQ.M	441.00	224910.00
SLRM PAINTING WORK										
9	As per Ammendment no 08, 05/05/2025 item no.16.62	Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applied @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Pomise sheen, Neroloc Litol Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour complete for the work.								
		INSIDE	2	24	-	1.2	57.60			
			1	9	-	1.2	10.80			
			3	12	-	3	108.00			
			6	3	-	3	54.00			
		Door Deduct	3	3	-	2.1	18.90			
			4	0.9	-	2.1	7.56			
						Total	203.94	Sqm	64.00	13052.16

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT VAISHALI NAGAR WARD NO - 59 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" RAIN WATER HARVESTING (1.00X1.00X1.20 M) "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soil								
	(BUILDING SOR. ITEM NO.-1.1.1/9)	1	1.40	1.40	1.20	2.35	CUM	185.00	434.75
2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	bottom Beam-	2	1.40	0.20	0.20	0.11			
		2	1.00	0.20	0.20	0.08			
	Top Slab-	1	1.40	1.40	0.10	0.20			
	(BUILDING SOR ITEM NO.-3.9/24)					0.39	CUM	4163.00	1623.57
3	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: 3.12.1 Thermo-Mechanically treated bars FE 415								
		Qty. as per item No.-3.2.1				0.39			
	(SOR ITEM NO.-3.12.1/24)		50 kg/cum			19.5	KG	54.50	1062.75
4	Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: 7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand)								
	(BUILDING SOR ITEM NO.-7.5.4/45)	1	4.80	0.20	1.40	1.34	CUM	3263.00	4385.47
5	Supplying, filling, spreading & leveling stone boulders/ Gravels/ Coarse sand, in recharge pit, in the required layers and thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge. (excavation								
	Stone boulders of size range 5 cm to 20 cm, in recharge pit	1	1.00	1.00	0.40	0.40	CUM	863.00	345.20
	Gravels of size range 5 mm to 10 mm, over the existing layer of	1	1.00	1.00	0.30	0.30	CUM	806.00	241.80
	Coarse sand of size range 1.5 mm to 2 mm over existing layer of gravel	1	1.00	1.00	0.20	0.20	CUM	471.00	94.20
	(BUILDING SOR ITEM NO.-21.14/201)								
	PIPELINE-								
6	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	In all types of soil	1	50.0	0.30	0.30	4.50	CUM	185.00	832.50
	(BUILDING SOR ITEM NO.-1.1/9)								
7	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm. In depth consolidation each deposited layer by ramming and watering with a lead upto 50M. And lift upto 1.5M.								
	50% of Item No 1	-	-	-	-	2.25	CUM	65.00	146.25
	(BUILDING SOR ITEM NO.-1.17/11)								
8	Providing and filling in open area with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	50% of Item No 1 - Pipe Dia	-	-	-	-	2.25	CUM	371.00	834.75
	(BUILDING SOR ITEM NO.-1.18/11)								

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT VAISHALI NAGAR WARD NO - 59 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

SANITARY REPAIRING

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same colour), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever								
	18.4.2 Coloured pedestal type	1	-	-	-	1.00	EACH	3592.00	3,592.00
	(BUILDING SOR ITEM NO.-18.4/161)								
2	18.1 Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	Coloured Orissa pattern W.C. pan of size 580x440 mm	1	-	-	-	1.00	EACH	3545.00	3,545.00
	(BUILDING SOR ITEM NO.-18.1/160)								
3	Providing and fixing 10 litre capacity P.V.C. low level flushing cistern conforming to IS : 7231, with all fittings and fixtures complete.								
	18.7.2 Coloured	2	-	-	-	2.00	EACH	837.00	1,674.00
	(BUILDING SOR ITEM NO.-18.7/161)								
4	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :								
	Coloured Size 550x450 mm	1	-	-	-	1.00	EACH	1894.00	1,894.00
	(BUILDING SOR ITEM NO.-18.17/162)								
5	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete.								
	18.76.1 75 mm dia pipe.	1	5.00	-	-	5.00	MTR	182.00	910.00
	18.76.2 110 mm dia pipe.	1	5.00	-	-	5.00	MTR	267.00	1,335.00
	(BUILDING SOR ITEM NO.-18.76/170)								
6	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.								
	Tee/ Tee with door/ Bend 45°/ Bend 90°								
	18.77.1.1 75 mm	5	-	-	-	5.00	EACH	113.00	565.00
	18.77.1.2 110 mm	5	-	-	-	5.00	EACH	154.00	770.00
	Vent covel								
	18.77.3.1 75 mm	4	-	-	-	4.00	EACH	34.00	136.00
	18.77.3.2 110 mm	4	-	-	-	4.00	EACH	44.00	176.00
	Access door cap								
	18.77.4.1 75 mm	10	-	-	-	10.00	EACH	49.50	495.00
	18.77.4.2 110 mm	10	-	-	-	10.00	EACH	59.00	590.00
	18.77.6 Nahani Trap 110	10	-	-	-	10.00	EACH	90.50	905.00
	(BUILDING SOR ITEM NO.-18.77/170)								
7	Providing and fixing UV stabilized Unplasticised PVC pipe clips of approved design to Rigid PVC pipes by means of 50 x 50 x 50 mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1cement :4 coarse sand) and making good the wall etc. complete.								
	18.78.1 75 mm	10	-	-	-	10.00	EACH	57.00	570.00
	18.78.2 110 mm	10	-	-	-	10.00	EACH	61.00	610.00
	(BUILDING SOR ITEM NO.-18.78/171)								
8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.CONCEALED WORK including cutting chases and making good the walls etc.,								
	19.5.1 15 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	133.00	665.00

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
	19.5.2 20 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	167.00	835.00
	(BUILDING SOR ITEM NO.-19.5/176)								
9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.INTERNAL WORK - EXPOSED ON WALL.								
	19.4.3 25 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	199.00	995.00
	19.4.4 32 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	271.00	1,355.00
	19.4.5 40 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	362.00	1,810.00
	(BUILDING SOR ITEM NO.-19.5/176)								
10	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete:								
	19.7.6 50 mm dia. nominal bore	1	5.00	-	-	5.00	MTR	471.00	2,355.00
	(BUILDING SOR ITEM NO.-19.7/177)								
11	Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:								
	19.14.1 Bib cock (400 grams)	2	-	-	-	2.00	EACH	382.00	764.00
	19.14.6 Stop cock (concealed) (600 grams)	2	-	-	-	2.00	EACH	494.00	988.00
	19.14.4 Piller Cock (400 grams)	2	-	-	-	2.00	EACH	398.00	796.00
	19.14.14 Soap dish plate	2	-	-	-	2.00	EACH	163.00	326.00
	(BUILDING SOR ITEM NO.-19.14/179)								
12	Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.								
	18.25.2 40 mm dia								
	(BUILDING SOR ITEM NO.-18.25.2/164)	4	-	-	-	4.00	EACH	88.50	354.00
13	Providing and fixing 600x450 mm beveled edge 4mm mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.								
	(BUILDING SOR ITEM NO.-18.29/164)	2	-	-	-	2.00	EACH	599.00	1,198.00
14	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :								
	18.30.1 5mm thick mirror								
	(BUILDING SOR ITEM NO.-18.30/164)	2	0.60	0.60	-	0.72	SQ.M	2016.00	1,452.00
15	Making connection of G.I. distribution branch in G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete: (dia of main line to be measured)								
	19.10.4 50 mm nominal bore	5	-	-	-	5.00	EACH	347.00	1,735.00
	(BUILDING SOR ITEM NO.-19.10/178)								
16	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):								
	19.16.4 50 mm nominal bore	2	-	-	-	2.00	EACH	762.00	1,524.00
	(BUILDING SOR ITEM NO.-19.16/179)								
17	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :								
	20.1.1 100 mm diameter	1	10.00	-	-	10.00	MTR	162.00	1,620.00
	(BUILDING SOR ITEM NO.-20.1/189)								

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT RAVI SHANKAR SHUKL NAGAR WARD NO - 24 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" EXTENSION OF AREA FOR BALED & RECYCLABLE MATERIAL - 25.0 M X 7.0 M "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUN T
1	Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/height including disposal of rubbishes upto 1.5 m lift and lead upto 50 m (at least 5m away from the dressed area).								
		1	25.00	7.00		175.00			
	(BUILDING SOR ITEM NO.-1.2/9)					175.00	SQ.M	7.20	1260.00
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. 1.1.1) In all types of soil								
	F1-	16	1.50	1.80	1.80	77.76			
	(BUILDING SOR ITEM NO.-1.1.1/9)					77.76	CUM	185.00	14386.00
3	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	F1-	16	1.50	1.80	1.80	77.76			
	Deduction- Sand cushion, pcc,footing,column up to GL-					-22.06			
	F1-	16	1.50	1.50	0.15	5.40			
	Floor	1	27.00	7.00	0.15	28.35			
	(BUILDING SOR. ITEM NO.-1.18/11)					89.45	CUM	371.00	33187.00
4	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). M-10								
	F1-	16	1.50	1.80	0.15	6.48			
	(BUILDING SOR. ITEM NO.- 3.1.3/23)					6.48	CUM	2970.00	19245.60
5	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). Grade of Concrete M-20								
	Footing-								
	F1-	16	1.20	1.50	0.30	8.64			
	Column upto Ground level-								
	C1-	16	0.20	0.40	1.20	1.54			
	Column upto Plinth level-								
	C1-	16	0.20	0.40	0.175	0.22			
	Column above Plinth level-								
	C1-	16	0.20	0.40	3.00	3.84			
	Ground Beam								
	GB1	2	25.00	0.20	0.30	3.00			
		8	5.00	0.20	0.45	3.60			
	Slab Beam								
	SB1	2	25.00	0.20	0.30	3.00			
		8	5.00	0.20	0.45	3.60			

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DETAILED ESTIMATE FOR PROPOSED WORK OF " SLRM CENTRE AT RAVI SHANKAR SHUKL NAGAR WARD NO - 24 " NAGAR PALIKA NIGAM, KORBA (C.G.)

" C.C. ROAD 4.00 M WIDE "

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT RAVI SHANKAR SHUKL NAGAR WARD NO - 24 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

WET WASTE TIPPING SHED AT SWM PLANT (4.00MX3.50M)

Based on C. G. P.W.D BUILDING S.O.R. IN FORCE FROM 1 JAN 2015

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SN	DESCRIPTION OF ITEM		NO	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
10	10.12 Supply and fixing of polymer pre-coated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L PWD S.O.R.-P-91/I-10.11									
	Roofing		2	3.38	5.50		37.18			
	total						37.18	693.00	sqm	25,765.74
11	10.16 Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with 10.16.1 Ridges plain (500-600mm)									
	Ridge		1	5.50			5.50			
	total						5.50	552.00	mtr	3,036.00
12	10.16.6 Gutter. (600 mm over all girth).									
	Gutter		2	5.50			11.00			
	total						11.00	629.00	mtr	6,919.00
13	14.22 Painting on new work (two or more coats) to give an even shade with:									
	14.22.2 Premium synthetic enamel paint									
	On Steel Structure									
	pole	1.5	2	18.00			54.00			
	Truss	1.5	2	109.00			327.00			
	total						381.00	47.00	sqm	17,907.00
14	18.76 Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with 18.76.2 110 mm dia pipe.									
	Rain water Pipe		4	4.50			18.00			

SN	DESCRIPTION OF ITEM		NO	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
	total						18.00	267.00	mtr	4,806.00
15	52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic hardening compound of approved quality mixed with cement in ratio of 4:1 (4 cement : 1 metallic floor hardening compound by weight) including finishing etc. complete.									
	(BUILDING SOR ITEM NO.12.4/111)		1.00	4.50	3.00	-	13.50	SQ.M	441.00	5953.50
Total										161,979.96
Add 3% Electrical and Plumbing Work										4,859.40
GRAND TOTAL										166,839.36

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT RAVI SHANKAR SHUKL NAGAR WARD NO - 24 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

(Building SOR Items) W.E.F. - 01/01/2015							
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S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RATE	AMOUNT
SLRM PAINTING WORK										
9	As per Amendment no 08, 05/05/2025 item no.16.62	Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applied @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Pomise sheen, Neroloc Lital Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour complete for the work.								
		INSIDE	2	24	-	1.2	57.60			
			1	12	-	1.2	14.40			
			3	12	-	3	108.00			
			6	3	-	3	54.00			
		Door Deduct	3	3	-	2.1	18.90			
			4	0.9	-	2.1	7.56			
						Total	207.54	Sqm	64.00	13282.56
10	As per Amendment no 08, 05/05/2025 item no.14.67	Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S, Code 15489:2013 Type - 2 Class D,C (Glossy /Semi Glossy finish) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2 Year Warranty)								
		OUTSIDE	2	24	-	1.2	57.60			
			1	9	-	1.2	10.80			
			1	20	-	3	60.00			
		Door Deduct	3	3	-	2.1	18.90			
						Total	109.50	Sqm	70.00	7665.00
11	As per Amendment no 08, 05/05/2025 item no.14.74	Providing and applying priming coat on steel work with red Oxide/ zinc phosphate primer applied @ 0.50 lit /Sqm as per relevant code 3536:1999 (product such as Asian Zinc phosphate , Dulux Steel primer, Burger Red oxide primer) with all tools tackles and labour etc. complete for the work								
		Premium synthetic enamel paint On Steel								
		SLRM Pole & Fence	2	19.0	2.00		76.00			
			1	12.0	2.00		24.00			
		Door	1	3.0	2.10		6.30			
			1	2.0	2.10		4.20			
					Total		110.50			
		Add 20% Extra					22.10			
				Sub Total			132.60	Sqm	35.00	4641

S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RATE	AMOUNT
12	As per Ammendment no 08, 05/05/2025 item no.14.76	Providing and applying Aluminium paint minimum 2 coats in all metal surface applying @ 0.75 li/ 10 Sqm up to required finish as per relevent I.S. code 2932: 2013 of (Product such as Asian Apcolite aluminium paint, Dulux Aliminium paint, Burger Superior Aluminium Paint) with all tools tackle and labour etc. complete for the work					132.60	sqm	43.00	5701.80
DEMOLISH WORK										
	(BUILDING SOR ITEM NO. 16.3.3/146)	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead. In cement mortar.								
		Fencing	1.00	25.00	0.20	1.50	7.50			
		Storage area wall	1.00	7.00	0.20	2.50	3.50			
							11.00	SQ.M	263.00	2893.00
									TOTAL	631867.56

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT RAVI SHANKAR SHUKL NAGAR WARD NO - 24 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" RAIN WATER HARVESTING (1.00X1.00X1.20 M) "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soil								
	(BUILDING SOR. ITEM NO.-1.1.1/9)	1	1.40	1.40	1.20	2.35	CUM	185.00	434.75
2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	bottom Beam-	2	1.40	0.20	0.20	0.11			
		2	1.00	0.20	0.20	0.08			
	Top Slab-	1	1.40	1.40	0.10	0.20			
	(BUILDING SOR ITEM NO.-3.9/24)					0.39	CUM	4163.00	1623.57
3	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: 3.12.1 Thermo-Mechanically treated bars FE 415								
		Qty. as per item No.-3.2.1				0.39			
	(SOR ITEM NO.-3.12.1/24)	50 kg/cum				19.5	KG	54.50	1062.75
4	Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: 7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand)								
	(BUILDING SOR ITEM NO.-7.5.4/45)	1	4.80	0.20	1.40	1.34	CUM	3263.00	4385.47
5	Supplying, filling, spreading & leveling stone boulders/ Gravels/ Coarse sand, in recharge pit, in the required layers and thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge. (excavation of pit will be paid								
	Stone boulders of size range 5 cm to 20 cm, in recharge pit	1	1.00	1.00	0.40	0.40	CUM	863.00	345.20
	Gravels of size range 5 mm to 10 mm, over the existing layer of boulders	1	1.00	1.00	0.30	0.30	CUM	806.00	241.80
	Coarse sand of size range 1.5 mm to 2 mm over existing layer of gravel	1	1.00	1.00	0.20	0.20	CUM	471.00	94.20
	(BUILDING SOR ITEM NO.-21.14/201)								
	PIPELINE-								
6	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	In all types of soil	1	50.0	0.30	0.30	4.50	CUM	185.00	832.50
	(BUILDING SOR ITEM NO.-1.1/9)								
7	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm. In depth consolidation each deposited layer by ramming and watering with a lead upto 50M. And lift upto 1.5M.								
	50% of Item No 1	-	-	-	-	2.25	CUM	65.00	146.25
	(BUILDING SOR ITEM NO.-1.17/11)								
8	Providing and filling in open area with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	50% of Item No 1 - Pipe Dia	-	-	-	-	2.25	CUM	371.00	834.75
	(BUILDING SOR ITEM NO.-1.18/11)								

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT RAVI SHANKAR SHUKL NAGAR WARD NO - 24 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

SANITARY REPAIRING

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same colour), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	18.4.2 Coloured pedestal type	1	-	-	-	1.00	EACH	3592.00	3,592.00
	(BUILDING SOR ITEM NO.-18.4/161)								
2	18.1 Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	Coloured Orissa pattern W.C. pan of size 580x440 mm	1	-	-	-	1.00	EACH	3545.00	3,545.00
	(BUILDING SOR ITEM NO.-18.1/160)								
3	Providing and fixing 10 litre capacity P.V.C. low level flushing cistern conforming to IS : 7231, with all fittings and fixtures complete.								
	18.7.2 Coloured	2	-	-	-	2.00	EACH	837.00	1,674.00
	(BUILDING SOR ITEM NO.-18.7/161)								
4	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :								
	Coloured Size 550x450 mm	1	-	-	-	1.00	EACH	1894.00	1,894.00
	(BUILDING SOR ITEM NO.-18.17/162)								
5	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc								
	18.76.1 75 mm dia pipe.	1	5.00	-	-	5.00	MTR	182.00	910.00
	18.76.2 110 mm dia pipe.	1	5.00	-	-	5.00	MTR	267.00	1,335.00
	(BUILDING SOR ITEM NO.-18.76/170)								
6	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.								
	Tee/ Tee with door/ Bend 45°/ Bend 90°								
	18.77.1.1 75 mm	5	-	-	-	5.00	EACH	113.00	565.00
	18.77.1.2 110 mm	5	-	-	-	5.00	EACH	154.00	770.00
	Vent covel								
	18.77.3.1 75 mm	4	-	-	-	4.00	EACH	34.00	136.00
	18.77.3.2 110 mm	4	-	-	-	4.00	EACH	44.00	176.00
	Access door cap								
	18.77.4.1 75 mm	10	-	-	-	10.00	EACH	49.50	495.00
	18.77.4.2 110 mm	10	-	-	-	10.00	EACH	59.00	590.00
	18.77.6 Nahani Trap 110	10	-	-	-	10.00	EACH	90.50	905.00
	(BUILDING SOR ITEM NO.-18.77/170)								

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
7	Providing and fixing UV stabilized Unplasticised PVC pipe clips of approved design to Rigid PVC pipes by means of 50 x 50 x 50 mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1cement :4 coarse sand) and making good the wall etc. complete.								
	18.78.1 75 mm	10	-	-	-	10.00	EACH	57.00	570.00
	18.78.2 110 mm	10	-	-	-	10.00	EACH	61.00	610.00
	(BUILDING SOR ITEM NO.-18.78/171)								
8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.CONCEALED WORK including cutting chases and making good the walls etc.,								
	19.5.1 15 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	133.00	665.00
	19.5.2 20 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	167.00	835.00
	(BUILDING SOR ITEM NO.-19.5/176)								
9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.INTERNAL WORK - EXPOSED ON WALL.								
	19.4.3 25 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	199.00	995.00
	19.4.4 32 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	271.00	1,355.00
	19.4.5 40 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	362.00	1,810.00
	(BUILDING SOR ITEM NO.-19.5/176)								
10	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete:								
	19.7.6 50 mm dia. nominal bore	1	5.00	-	-	5.00	MTR	471.00	2,355.00
	(BUILDING SOR ITEM NO.-19.7/177)								
11	Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:								
	19.14.1 Bib cock (400 grams)	2	-	-	-	2.00	EACH	382.00	764.00
	19.14.6 Stop cock (concealed) (600 grams)	2	-	-	-	2.00	EACH	494.00	988.00
	19.14.4 Piller Cock (400 grams)	2	-	-	-	2.00	EACH	398.00	796.00
	19.14.14 Soap dish plate	2	-	-	-	2.00	EACH	163.00	326.00
	(BUILDING SOR ITEM NO.-19.14/179)								
12	Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.								
	18.25.2 40 mm dia								
	(BUILDING SOR ITEM NO.-18.25.2/164)	4	-	-	-	4.00	EACH	88.50	354.00
13	Providing and fixing 600x450 mm beveled edge 4mm mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.								
	(BUILDING SOR ITEM NO.-18.29/164)	2	-	-	-	2.00	EACH	599.00	1,198.00

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT RAVI SHANKAR SHUKL NAGAR WARD NO - 24 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

ELECTRIFICATION WORKS

As Per CG Electrical SOR 2020

S.No	Item No.	Particulars	Quantity	Unit	Rate	Amount
1	1.7	Wiring for light/ fan/ exhaust fan / call bell point with 3x1.5 sqmm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) with 5/6 amp modular switch, modular base and cover plate, suitable size G.I. box as per specification and IS: 694 (2010), IS:				
	1.7.1	Short Point	8.00	Point	266.00	2128.00
	1.7.2	Medium Point	27.00	Point	424.00	11448.00
	1.7.3	Long Point	8.00	Point	588.00	4704.00
2	1.9	Extra for providing and fixing light plug point on board in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) point wiring with modular type 3 pin 5/6 amp socket outlet and 5/6 amp switch including cost of base and cover plate and G. I. box etc. as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)	6.00	Point	216.00	1296.00
3	1.13	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, wire in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)				
	1.13.1	3 X 1.5 sq. mm in 20mm conduit	27.00	Metre	92.00	2484.00
	1.13.8	3 X 10 sq. mm in 25mm conduit	10.00	Metre	270.00	2700.00
4	1.15	Supplying and fixing of following sizes FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) along with accessories in concealed complete as per specification and IS: 9537 (2000 Part 5)				
	1.15.1	20 mm	80.00	Metre	42.00	3360.00

S.No	Item No.	Particulars	Quantity	Unit	Rate	Amount
5	5.1	Supplying and fixing following piano type switch, socket, other accessories on the existing switch box/ cover including connections etc. as per specification.				
	5.1.12	Fan regulator	10.00	Each	130.00	1300.00
6	5.11	Providing and fixing fan clamp made of 3mm thick MS flat on existing iron trusses/ girder including necessary bolts and nuts etc. as per specification.				
			10.00	Each	40.00	400.00
7	6.1	Supplying, installation, testing and commissioning of following sizes ceiling fan including wiring the down rods of standard length up to 30 cm with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, earthing etc. complete as required. P.F. should be greater than 0.9, with BEE Star rating from 1 star and above, IS: 374:2019 including all amendments.				
	6.1.1	600 mm sweep	10.00	Each	1477.00	14770.00
8	6.19.3	Supplying, installation, testing and commissioning of following LED tube light fitting including batten with Electronic Driver Heat sink Capacitor complete with all other accessories on surface/ in false ceiling, including connection, earthing etc complete as per specification and IP20, P.F. should be greater than 0.9. LED chip efficacy ratio ≥ 100 lumens /watt.				
	6.15.3	18/20 watt {4 feet}	10.00	Each	443.00	4430.00
	Total					49020.00

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT RAMPUR WARD NO - 33 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" SHED FOR BALED & RECYCLABLE MATERIAL - 6.0 X 9.0 M "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Dismantling flag stone flooring laid in cement/lime mortar including stacking of serviceable material and disposal of unserviceable material within 50 metre lead.								
		1	6.00	9.00		54.00			
	(BUILDING SOR ITEM NO.- 16.8/146)					54.00	SQ.M	57.00	3078.00
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. 1.1.1) In all types of soil								
	F1-	4	1.50	1.50	1.80	16.20			
	(BUILDING SOR ITEM NO.-1.1.1/9)					16.20	CUM	185.00	2997.00
3	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including								
	F1-	4	1.50	1.50	1.80	16.20			
	Deduction- Sand cushion, pcc,footing,column up to GL-					-4.32			
	F1-	4	1.50	1.50	0.15	1.35			
	Floor	1	6.00	9.00	0.15	8.10			
	(BUILDING SOR. ITEM NO.-1.18/11)					21.33	CUM	371.00	7913.00
4	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). M-10								
	F1-	4	1.50	1.50	0.15	1.35			
	(BUILDING SOR. ITEM NO.- 3.1.3/23)					1.35	CUM	2970.00	4009.50
5	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). Grade of Concrete M-20								
	Footing-								
	F1-	4	1.20	1.20	0.20	1.15			
	Column upto Ground level-								
	C1-	4	0.30	0.30	1.30	0.47			
	Column upto Plinth level-								
	C1-	4	0.30	0.30	0.175	0.06			
	Column above Plinth level-								
	C1-	4	0.30	0.30	3.00	1.08			
	Ground Beam	2	21.00	0.30	0.20	2.52			
	(BUILDING SOR ITEM NO.- 3.2/23)					5.28	CUM	4163.00	21993.00
6	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415								
		Quantity as per item 3.3				5.28			
	(BUILDING SOR. ITEM NO.-3.12.1/24)		80kg/cum			422.64	KG	54.50	23034.00
7	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
	Footings-								
	F1-	4	1.20	-	0.20	0.96			
		4	-	1.20	0.20	0.96			
	Column upto Ground level-								
	C1-	4	0.30	-	1.30	1.56			
		4	-	0.30	1.30	1.56			
	Column upto Plinth level-								
	C1-	4	0.30		0.175	0.21			
		4	-	0.30	0.175	0.21			
	Column above plinth								
	C1-	4	0.30		3.00	3.60			
		4	-	0.30	3.00	3.60			
	Ground Beam	2	21.00		0.300	12.60			
	(BUILDING SOR ITEM NO.- 2.1.1/16)					25.26	SQ.M	139.00	3511.00
8	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer.								
	Shed area	1	6.00	9.00	-	54.00			
					35KG/SQM	1890.00	KG	93.50	176715.00
	(BUILDING SOR ITEM NO.- 9.3.2/80)								
9	10.12 Supply and fixing of polymer pre-coated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.								
	Top Roof	1	6.00	9.00	-	54.00			
	Side of Truss	2	6.00		1.50	18.00			
						72.00	SQM	693.00	49896.00
	(BUILDING SOR ITEM NO.- 10.12/91)								
10	10.16 Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or								
	10.16.6 Gutter. (600 mm over all girth)	1	9.00			9.00	MTR	629.00	5661.00
	(BUILDING SOR ITEM NO.- 10.16/91)								
11	Painting on new work (two or more coats) to give an even shade with Satin synthetic enamel paint								
	Shed truss	4	6.00	-	1.20	28.80			
	Runner	7	9.00	0.02		1.19			
	Pole	4	0.47		2.10	3.96			
	(BUILDING SOR. ITEM NO.-14.22.1/134)					33.94	SQM	55.00	1866.88

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
12	52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic hardening compound of approved quality mixed with cement in ratio of 4:1 (4 cement : 1 metallic floor hardening compound by weight) including finishing etc. complete.								
	(BUILDING SOR ITEM NO.12.4/111)	1.00	6.00	9.00	-	54.00	SQ.M	441.00	23814.00
13	Half brick thick brick masonry with fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in superstructure above plinth level upto plinth level: Cement Mortar 1:4 (1 cement : 4 coarse sand)								
		1.00	9.00	-	1.50	13.50			
	(BUILDING SOR. ITEM NO.- 7.4.1/45)					13.50	SQ.M	382.00	5157.00
14	Providing and making 12mm.thick cement plaster of mix : In Cement Mortar 1:6 (1 Cement : 6 fine Sand)								
	INNER	1.00	9.00	-	1.50	13.50			
	(BUILDING SOR. ITEM NO.-11.2/103)					13.50	SQ.M	91.50	1235.25
15	Providing and making 15mm.thick cement plaster on the rough side of single or half brickwall of mix. In Cement Mortar 1:6 (1 cement : 6 fine sand)								
	OUTER	1.00	9.00	-	1.50	13.50			
	(BUILDING SOR. ITEM NO.-11.3/103)					13.50	SQ.M	107.00	1444.50
16	Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applied @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Pomise sheen, Neroloc Litol Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and								
	INNER	1.00	9.00	-	1.50	13.50			
	As per Ammdement no 08, 05/05/2025 item no.16.62				Total	13.50	SQ.M	64.00	864.00
17	Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S, Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2 Year Warranty)								
	OUTER	1.00	9.00	-	1.50	13.50			
	As per Ammdement no 08, 05/05/2025 item no.14.67				Total	13.50	SQ.M	70.00	945.00
								Total Rs.	334134.00

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT RAMPUR WARD NO - 33 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" SHED FOR BALED & RECYCLABLE MATERIAL - 6.0 X 9.0 M "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Dismantling flag stone flooring laid in cement/lime mortar including stacking of serviceable material and disposal of unserviceable material within 50 metre lead.								
		1	3.00	10.00		30.00			
	(BUILDING SOR ITEM NO.- 16.8/146)					30.00	SQ.M	57.00	1710.00
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. 1.1.1) In all types of soil								
	F1-	4	1.50	1.50	1.80	16.20			
	(BUILDING SOR ITEM NO.-1.1.1/9)					16.20	CUM	185.00	2997.00
3	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including								
	F1-	4	1.50	1.50	1.80	16.20			
	Deduction- Sand cushion, pcc,footing,column up to GL-					-4.32			
	F1-	4	1.50	1.50	0.15	1.35			
	Floor	1	3.00	10.00	0.15	4.50			
	(BUILDING SOR. ITEM NO.-1.18/11)					17.73	CUM	371.00	6578.00
4	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal								
	F1-	4	1.50	1.50	0.15	1.35			
	(BUILDING SOR. ITEM NO.- 3.1.3/23)					1.35	CUM	2970.00	4009.50
5	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). Grade of Concrete M-20								
	Footing-								
	F1-	4	1.20	1.20	0.20	1.15			
	Column upto Ground level-								
	C1-	4	0.30	0.30	1.30	0.47			
	Column upto Plinth level-								
	C1-	4	0.30	0.30	0.175	0.06			
	Column above Plinth level-								
	C1-	4	0.30	0.30	3.00	1.08			
	Ground Beam	2	21.00	0.30	0.20	2.52			
	(BUILDING SOR ITEM NO.- 3.2/23)					5.28	CUM	4163.00	21993.00
6	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415								
	Quantity as per item 3.3					5.28			
	(BUILDING SOR. ITEM NO.-3.12.1/24)					422.64	KG	54.50	23034.00
7	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
	Footing-								
	F1-	4	1.20	-	0.20	0.96			
		4	-	1.20	0.20	0.96			

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
	Column upto Ground level-								
	C1-	4	0.30	-	1.30	1.56			
		4	-	0.30	1.30	1.56			
	Column upto Plinth level-								
	C1-	4	0.30		0.175	0.21			
		4	-	0.30	0.175	0.21			
	Column above plinth								
	C1-	4	0.30		3.00	3.60			
		4	-	0.30	3.00	3.60			
	Ground Beam	2	16.00		0.300	9.60			
	(BUILDING SOR ITEM NO.- 2.1.1/16)					22.26	SQ.M	139.00	3094.00
8	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer.								
	Shed area	1	6.00	10.00	-	60.00			
						35KG/SQM	2100.00	KG	93.50
	(BUILDING SOR ITEM NO.- 9.3.2/80)								
9	10.12 Supply and fixing of polymer precoated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.								
	Top Roof	1	3.00	10.00	-	30.00			
	Side of Truss	2	3.00		1.50	9.00			
						39.00	SQM	693.00	27027.00
	(BUILDING SOR ITEM NO.- 10.12/91)								
10	10.16 Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and								
	10.16.6 Gutter. (600 mm over all girth)	1	10.00			10.00	MTR	629.00	6290.00
	(BUILDING SOR ITEM NO.- 10.16/91)								
11	Painting on new work (two or more coats) to give an even shade with Satin synthetic enamel paint								
	Shed truss	4	3.00	-	1.20	14.40			
	Runner	4	10.00	0.02		0.75			
	Pole	4	0.47		2.10	3.96			
	(BUILDING SOR. ITEM NO.-14.22.1/134)					19.11	SQM	55.00	1051.05

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
12	52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic hardening compound of approved quality mixed with cement in ratio of 4:1 (4 cement : 1 metallic floor hardening compound by weight) including finishing etc. complete.								
	(BUILDING SOR ITEM NO.12.4/111)	1.00	3.00	10.00	-	30.00	SQ.M	441.00	13230.00
13	Half brick thick brick masonry with fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in superstructure above plinth level upto plinth level: Cement Mortar 1:4 (1 cement : 4 coarse sand)								
		1.00	10.00	-	1.50	15.00			
	(BUILDING SOR. ITEM NO.- 7.4.1/45)					15.00	SQ.M	382.00	5730.00
14	Providing and making 12mm.thick cement plaster of mix : In Cement Mortar 1:6 (1 Cement : 6 fine Sand)								
	INNER	1.00	10.00	-	1.50	15.00			
	(BUILDING SOR. ITEM NO.-11.2/103)					15.00	SQ.M	91.50	1372.50
15	Providing and making 15mm.thick cement plaster on the rough side of single or half brickwall of mix. In Cement Mortar 1:6 (1 cement : 6 fine sand)								
	OUTER	1.00	10.00	-	1.50	15.00			
	(BUILDING SOR. ITEM NO.-11.3/103)					15.00	SQ.M	107.00	1605.00
16	Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applied @ 1.25 Kg/ 10Sq.m as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Pomise sheen, Neroloc Litol Master, Berger Bison Lite, Nippon Superio.) inclusive of providing								
	INNER	1.00	10.00	-	1.50	15.00			
	As per Ammendment no 08, 05/05/2025 item no.16.62				Total	15.00	SQ.M	64.00	960.00
17	Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sq.m up to final finish as per relevant I.S, Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2 Year Warranty)								
	OUTER	1.00	10.00	-	1.50	15.00			
	As per Ammendment no 08, 05/05/2025 item no.14.67				Total	15.00	SQ.M	70.00	1050.00
								Total Rs.	318081.00

WET WASTE TIPPING SHED AT SWM PLANT (4.00MX3.50M)

SN	DESCRIPTION OF ITEM		NO	MEASUREMEN			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
4	2.1 Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal									
	2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.									
	Footings									
	F1(1500X1500)	2	4	1.30		0.15	1.56			
		2	4		1.30	0.15	1.56			
	Column upto G L									
	C1(300X300)	2	4	0.30		0.65	1.56			
		2	4	0.30		0.65	1.56			
	Column above G L									
	C1(300X300)	2	4	0.30		0.30	0.72			
		2	4	0.30		0.30	0.72			
	total						7.68	139.00	sqm	1,067.52
5	3.2 Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works up to plinth level excluding cost of form work									
	3.2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).									
	F1(1800X1800)		4	1.30	1.30	0.20	1.35			
	0.3/6*((1.2*1.2)+(0.3*0.2)+(4*(1.2+0.3)/2*(1.2+0.2)/2))		4			0.20	0.80			
	Subtotal a						2.15			
	Column upto G L									
	C1(300X300)		4	0.30	0.30	0.65	0.23			
	Subtotal b						0.23			
	Column above G L									
	C1(300X300)		4	0.30	0.30	0.30	0.11			
	Subtotal c						0.11			
	total (a+b+c)						2.49	4163.00	cum	10,382.52
6	3.12 Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:									
	3.12.1 Thermo-Mechanically treated bars FE 415									
	Footing			2.15	1.00	####	168.93			

SN	DESCRIPTION OF ITEM		NO	MEASUREMEN			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
	Column			0.34	1.00	####	26.85			
	total						195.78	54.50	Kg	10,669.96
7	1.17 Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M.									
	Total qty of excavation - sand filling+PCC+RCC upto GL						9.21			
	total						9.21	38.15	cum	351.21
8	11.2 Providing and making 12mm thick cement plaster of mix:									
	11.2.4 In Cement Mortar 1:6 (1 cement : 6 fine C1(300X300))	4	4	0.30		0.30	1.44			
	total						1.44	91.50	sqm	131.76
9	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind									
	9.3.1 Electric resistance or induction butt welded tubes Grade-250									
	PWD S.O.R.-P-80/I-9.3.1									
	150Dia Pole @21.30kg/meter	1	4	4.50	####	-	383.40			
	Truss On Shed									
	Tie Beam 50mm dia @6.19Kg/meter	1	1	6.00	6.19	-	37.14			
	Rafter 50mm dia @6.19Kg/meter	1	2	3.38	6.19	-	41.84			
	Intermediate members 50mm dia @6.19Kg/meter	1	2	4.50	6.19	-	55.71			
	Purlins 40mm dia @ 4.37Kg/meter (On Top)	1	4	5.50	4.37	-	96.14			
	Gusset Plate, Fixing Bolt and Base Plate Etc						140.00			
	total						754.23	88.50	Kg	66,749.36

DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT RAMPUR WARD NO - 33 "
NAGAR PALIKA NIGAM, KORBA (C.G.)

(Building SOR Items) W.E.F. - 01/01/2015

S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RATE	AMOUNT
SLRM FLOORING WORK										
1	(BUILDING SOR ITEM NO. 12.49/118)	25 mm thick KOTA stone slab flooring over 20mm (Average) thick base of cement mortar 1:4 laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including grinding rubbing and polishing etc. complete (Area of slab to be over 0.20 SQ.M and upto 0.50 SQ.M)								
			1.00	12.00	27.00	-	324.00			
		Add 10% Extra					32.40			
							356.40	SQ.M	897.00	319690.80
SLRM PAINTING WORK										
9	As per Ammendment no 08, 05/05/2025 item no.16.62	Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applied @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Pomise sheen, Neroloc Litol Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour complete for the work								
		INSIDE	4	13	-	3.5	182.00			
			2	6	-	3.5	42.00			
		Door Deduct	4	1.2	-	2.1	10.08			
		Window Deduct	7	0.9	-	1.2	7.56			
						Total	206.36	Sqm	64.00	13207.04
10	As per Ammendment no 08, 05/05/2025 item no.14.67	Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S. Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc.								
		OUTSIDE	2	13	-	3.5	91.00			
			2	6	-	3.5	42.00			
		Boundary Wall	2	144	-	2	576.00			
		Door Deduct	4	1.2	-	2.1	10.08			
		Window Deduct	7	0.9	-	1.2	7.56			
						Total	691.36	Sqm	70.00	48395.20
11	As per Ammendment no 08, 05/05/2025 item no.14.74	Providing and applying priming coat on steel work with red Oxide/ zinc phosphate primer applied @ 0.50 lit /Sqm as per relevant code 3536:1999 (product such as Asian Zinc phosphate , Dulux Steel primer, Burger Red oxide primer) with all tools tackles and labour etc. complete for the work								
		Premium synthetic enamel paint								
		On Steel								
		Door	4.00	0.9	2.10		7.56			
		Window	7.00	0.9	1.20		7.56			
		Main Entry Gate	1.00	3.0	2.00		6.00			
					Total		21.12			
		Add 20% Extra					4.22			
							25.34	Sqm	35.00	887.04

S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RATE	AMOUNT
12	As per Ammendment no 08, 05/05/2025 item no.14.76	Providing and applying Aluminium paint mimimum 2 coats in all metal surface applying @ 0.75 li/ 10 Sqm up to required finish as per relevent I.S. code 2932: 2013 of (Product such as Asian Apcolite aluminium paint, Dulux Aliminium paint, Burger Superior Aluminium Paint) with all tools tackle and labour etc. complete for the work					25.34	sqm	43.00	1089.79
WATER PROOFING OF SLAB										
13	(BUILDING SOR ITEM NO. 4.6/28)	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of following applications including surface preparation: 1st layer of slurry of cement @ 0.488 kg/SQ.M mixed with water proofing cement compound @ 0.253 kg/SQ.M 2nd layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm. 3rdlayer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/SQ.M mixed with coarse sand @ 1.289 kg/SQ.M and water proofing cement compound @ 0.07 kg/SQ.M This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30cm on parapet wall and tucked into groove in parapet all around. 4th and final layer of brick tiling with cement mortar (which								
		Slab Area	1.00	110.00			110.00			
							110.00	SQ.M	283.00	31130.00
GATE										
14	(BUILDING SOR. ITEM NO.- 9.6.2/80)	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.								
		Gate	1	3.00	2.10		6.30			
				30 KG/SQ.M			189.00	KG	68.00	12852.00
TOTAL										427251.87

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT RAMPUR WARD NO - 33 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" RAIN WATER HARVESTING (1.00X1.00X1.20 M) "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soil								
	(BUILDING SOR ITEM NO.-1.1.1/9)	1	1.40	1.40	1.20	2.35	CUM	185.00	434.75
2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	bottom Beam-	2	1.40	0.20	0.20	0.11			
		2	1.00	0.20	0.20	0.08			
	Top Slab-	1	1.40	1.40	0.10	0.20			
	(BUILDING SOR ITEM NO.-3.9/24)					0.39	CUM	4163.00	1623.57
3	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: 3.12.1 Thermo-Mechanically treated bars FE 415								
		Qty. as per item No.-3.2.1				0.39			
	(SOR ITEM NO.-3.12.1/24)	50 kg/cum				19.5	KG	54.50	1062.75
4	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: 7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand)								
	(BUILDING SOR ITEM NO.-7.5.4/45)	1	4.80	0.20	1.40	1.34	CUM	3263.00	4385.47
5	Supplying, filling, spreading & leveling stone boulders/ Gravels/ Coarse sand, in recharge pit, in the required layers and thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge. (excavation of pit will be paid								
	Stone boulders of size range 5 cm to 20 cm, in recharge pit	1	1.00	1.00	0.40	0.40	CUM	863.00	345.20
	Gravels of size range 5 mm to 10 mm, over the existing layer of boulders	1	1.00	1.00	0.30	0.30	CUM	806.00	241.80
	Coarse sand of size range 1.5 mm to 2 mm over existing layer of gravel	1	1.00	1.00	0.20	0.20	CUM	471.00	94.20
	(BUILDING SOR ITEM NO.-21.14/201)								
	PIPELINE-								
6	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	In all types of soil	1	50.0	0.30	0.30	4.50	CUM	185.00	832.50
	(BUILDING SOR ITEM NO.-1.1/9)								
7	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm. In depth consolidation each deposited layer by ramming and watering with a lead upto 50M. And lift upto 1.5M.								
	50% of Item No 1	-	-	-	-	2.25	CUM	65.00	146.25
	(BUILDING SOR ITEM NO.-1.17/11)								
8	Providing and filling in open area with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	50% of Item No 1 - Pipe Dia	-	-	-	-	2.25	CUM	371.00	834.75
	(BUILDING SOR ITEM NO.-1.18/11)								

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT RAMPUR WARD NO - 33 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" PLUMBING & SANITARY WORK "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same colour), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	18.4.2 Coloured pedestal type	1	-	-	-	1.00	EACH	3592.00	3,592.00
	(BUILDING SOR ITEM NO.-18.4/161)								
2	18.1 Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	Coloured Orissa pattern W.C. pan of size 580x440 mm	1	-	-	-	1.00	EACH	3545.00	3,545.00
	(BUILDING SOR ITEM NO.-18.1/160)								
3	Providing and fixing 10 litre capacity P.V.C. low level flushing cistern conforming to IS : 7231, with all fittings and fixtures complete.								
	18.7.2 Coloured	2	-	-	-	2.00	EACH	837.00	1,674.00
	(BUILDING SOR ITEM NO.-18.7/161)								
4	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :								
	Coloured Size 550x450 mm	1	-	-	-	1.00	EACH	1894.00	1,894.00
	(BUILDING SOR ITEM NO.-18.17/162)								
5	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm								
	18.76.1 75 mm dia pipe.	1	5.00	-	-	5.00	MTR	182.00	910.00
	18.76.2 110 mm dia pipe.	1	5.00	-	-	5.00	MTR	267.00	1,335.00
	(BUILDING SOR ITEM NO.-18.76/170)								
6	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.								
	Tee/ Tee with door/ Bend 45°/ Bend 90°								
	18.77.1.1 75 mm	5	-	-	-	5.00	EACH	113.00	565.00
	18.77.1.2 110 mm	5	-	-	-	5.00	EACH	154.00	770.00
	Vent cover								
	18.77.3.1 75 mm	4	-	-	-	4.00	EACH	34.00	136.00
	18.77.3.2 110 mm	4	-	-	-	4.00	EACH	44.00	176.00
	Access door cap								
	18.77.4.1 75 mm	10	-	-	-	10.00	EACH	49.50	495.00
	18.77.4.2 110 mm	10	-	-	-	10.00	EACH	59.00	590.00
	18.77.6 Nahani Trap 110	10	-	-	-	10.00	EACH	90.50	905.00
	(BUILDING SOR ITEM NO.-18.77/170)								

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
7	Providing and fixing UV stabilized Unplasticised PVC pipe clips of approved design to Rigid PVC pipes by means of 50 x 50 x 50 mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1cement :4 coarse sand) and making good the wall etc. complete.								
	18.78.1 75 mm	10	-	-	-	10.00	EACH	57.00	570.00
	18.78.2 110 mm	10	-	-	-	10.00	EACH	61.00	610.00
	(BUILDING SOR ITEM NO.-18.78/171)								
8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.CONCEALED WORK including cutting chases and making good the walls etc.,								
	19.5.1 15 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	133.00	665.00
	19.5.2 20 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	167.00	835.00
	(BUILDING SOR ITEM NO.-19.5/176)								
9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.INTERNAL WORK - EXPOSED ON WALL.								
	19.4.3 25 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	199.00	995.00
	19.4.4 32 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	271.00	1,355.00
	19.4.5 40 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	362.00	1,810.00
	(BUILDING SOR ITEM NO.-19.5/176)								
10	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete:								
	19.7.6 50 mm dia. nominal bore	1	5.00	-	-	5.00	MTR	471.00	2,355.00
	(BUILDING SOR ITEM NO.-19.7/177)								
11	Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:								
	19.14.1 Bib cock (400 grams)	2	-	-	-	2.00	EACH	382.00	764.00
	19.14.6 Stop cock (concealed) (600 grams)	2	-	-	-	2.00	EACH	494.00	988.00
	19.14.4 Piller Cock (400 grams)	2	-	-	-	2.00	EACH	398.00	796.00
	19.14.14 Soap dish plate	2	-	-	-	2.00	EACH	163.00	326.00
	(BUILDING SOR ITEM NO.-19.14/179)								
12	Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.								
	18.25.2 40 mm dia								
	(BUILDING SOR ITEM NO.-18.25.2/164)	4	-	-	-	4.00	EACH	88.50	354.00
13	Providing and fixing 600x450 mm beveled edge 4mm mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.								
	(BUILDING SOR ITEM NO.-18.29/164)	2	-	-	-	2.00	EACH	599.00	1,198.00

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DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT RAMPUR WARD NO - 33 "
NAGAR PALIKA NIGAM, KORBA (C.G.)

ELECTRIFICATION WORKS

As Per CG Electrical SOR 2020

S.No.	Item No.	Particulars	Quantity	Unit	Rate	Amount
1	1.7	Wiring for light/ fan/ exhaust fan / call bell point with 3x1.5 sqmm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) with 5/6 amp modular switch, modular base and cover plate, suitable size G.I. box as per specification and IS: 694 (2010), IS:				
	1.7.1	Short Point	8.00	Point	266.00	2128.00
	1.7.2	Medium Point	27.00	Point	424.00	11448.00
	1.7.3	Long Point	8.00	Point	588.00	4704.00
2	1.9	Extra for providing and fixing light plug point on board in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) point wiring with modular type 3 pin 5/6 amp socket outlet and 5/6 amp switch including cost of base and cover plate and G. I. box etc. as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)	6.00	Point	216.00	1296.00
3	1.13	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, wire in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)				
	1.13.1	3 X 1.5 sq. mm in 20mm conduit	27.00	Metre	92.00	2484.00
	1.13.8	3 X 10 sq. mm in 25mm conduit	10.00	Metre	270.00	2700.00
4	1.15	Supplying and fixing of following sizes FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) along with accessories in concealed complete as per specification and IS: 9537 (2000 Part 5)				
	1.15.1	20 mm	80.00	Metre	42.00	3360.00
5	5.1	Supplying and fixing following piano type switch, socket, other accessories on the existing switch box/ cover including connections etc. as per specification.				
	5.1.12	Fan regulator	10.00	Each	130.00	1300.00
6	5.11	Providing and fixing fan clamp made of 3mm thick MS flat on existing iron trusses/ girder including necessary bolts and nuts etc. as per specification.				
			10.00	Each	40.00	400.00

S.No.	Item No.	Particulars	Quantity	Unit	Rate	Amount
7	6.1	Supplying, installation, testing and commissioning of following sizes ceiling fan including wiring the down rods of standard length up to 30 cm with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, earthing etc. complete as required. P.F. should be greater than 0.9, with BEE Star rating from 1 star and above, IS: 374:2019 including all amendments.				
	6.1.1	600 mm sweep	10.00	Each	1477.00	14770.00
8	6.19.3	Supplying, installation, testing and commissioning of following LED tube light fitting including batten with Electronic Driver Heat sink Capacitor complete with all other accessories on surface/ in false ceiling, including connection, earthing etc complete as per specification and IP20, P.F. should be greater than 0.9. LED chip efficacy ratio $\geq$ 100 lumens /watt.				
	6.15.3	18/20 watt {4 feet}	10.00	Each	443.00	4430.00
	Total					49020.00

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT JAMNIPASLI WARD NO - 51 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" SHED EXTENSION - 4.0 X 12.0 "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Dismantling flag stone flooring laid in cement/lime mortar including stacking of serviceable material and disposal of unserviceable material within 50 metre lead.								
		1	6.00	12.00		72.00			
	(BUILDING SOR ITEM NO.- 16.8/146)					72.00	SQ.M	57.00	4104.00
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	F1-	4	1.50	1.50	1.80	16.20			
	(BUILDING SOR ITEM NO.-1.1.1/9)					16.20	CUM	185.00	2997.00
3	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	F1-	4	1.50	1.50	1.80	16.20			
	Deduction- Sand cushion, pcc,footing,column up to GL-					-4.32			
	F1-	4	1.50	1.50	0.15	1.35			
	Floor	1	6.00	12.00	0.15	10.80			
	(BUILDING SOR. ITEM NO.-1.18/11)					24.03	CUM	371.00	8915.00
4	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). M-10								
	F1-	4	1.50	1.50	0.15	1.35			
	(BUILDING SOR. ITEM NO.- 3.1.3/23)					1.35	CUM	2970.00	4009.50
5	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). Grade of Concrete M-20								
	Footing-								
	F1-	4	1.20	1.20	0.20	1.15			
	Column upto Ground level-								
	C1-	4	0.30	0.30	1.30	0.47			
	Column upto Plinth level-								
	C1-	4	0.30	0.30	0.175	0.06			
	Column above Plinth level-								
	C1-	4	0.30	0.30	3.000	1.08			
	Ground Beam	2	24.00	0.30	0.200	2.88			
	(BUILDING SOR ITEM NO.- 3.2/23)					5.64	CUM	4163.00	23492.00

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
6	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415								
		Quantity as per item 3.3				5.64			
	(BUILDING SOR. ITEM NO.-3.12.1/24)		80kg/cum			451.44	KG	54.50	24603.00
7	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below								
	Footing-								
	F1-	8	1.20	-	0.20	1.92			
		8	-	1.20	0.20	1.92			
	Column upto Ground level-								
	C1-	8	0.30	-	1.30	3.12			
		8	-	0.30	1.30	3.12			
	Column upto Plinth level-								
	C1-	8	0.30		0.175	0.42			
		8	-	0.30	0.175	0.42			
	Column above plinth								
	C1-	4	0.30		3.00	3.60			
		4	-	0.30	3.00	3.60			
	Ground Beam	2	24.00		0.30	14.40			
	(BUILDING SOR ITEM NO.- 2.1.1/16)					32.52	SQ.M	139.00	4520.00
8	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer. 9.3.2 Electric resistance or induction butt welded tubes Grade 200								
	Shed area	1	6.00	12.00	-	72.00			
			35KG/SQM			2520.00	KG	93.50	235620.00
	(BUILDING SOR ITEM NO.- 9.3.2/80)								

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
9	10.12 Supply and fixing of polymer precoated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I.								
	Top Roof	2	6.20	6.00	-	74.40			
	Side of Truss	1	12.40		1.50	18.60			
						93.00	SQM	693.00	64449.00
	(BUILDING SOR ITEM NO.- 10.12/91)								
10	10.16 Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete :								
	10.16.1 Ridges plain (500-600mm)	1	6.00			6.00	MTR	552.00	3312.00
	10.16.6 Gutter. (600 mm over all girth)	2	6.00			12.00	MTR	629.00	7548.00
	(BUILDING SOR ITEM NO.- 10.16/91)								
11	Painting on new work (two or more coats) to give an even shade with Satin synthetic enamel paint								
	Shed truss	1	12.00	-	1.50	18.00			
	Runner	12	6.00	0.02		1.36			
	Pole	4	0.63		2.10	5.28			
	(BUILDING SOR. ITEM NO.-14.22.1/134)					24.63	SQM	55.00	1354.74
12	52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic hardening compound of approved quality mixed with cement in ratio of 4:1 (4 cement : 1 metallic floor hardening compound by weight) including finishing etc. complete.								

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT JAMNIPASLI WARD NO - 51 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" SHED FOR BALED & RECYCLABLE MATERIAL - 35.0 X 3.0 M "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Dismantling flag stone flooring laid in cement/lime mortar including stacking of serviceable material and disposal of unserviceable material within 50 metre lead.								
		1	35.00	3.00		105.00			
	(BUILDING SOR ITEM NO.- 16.8/146)					105.00	SQ.M	57.00	5985.00
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. 1.1.1) In all types of soil								
		F1-	12	1.50	1.50	1.80	48.60		
	(BUILDING SOR ITEM NO.-1.1.1/9)					48.60	CUM	185.00	8991.00
3	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
		F1-	12	1.50	1.50	1.80	48.60		
	Deduction- Sand cushion, pcc,footing,column up to GL-					-12.96			
		F1-	12	1.50	1.50	0.15	4.05		
		Floor	1	35.00	3.00	0.15	15.75		
	(BUILDING SOR. ITEM NO.-1.18/11)					55.44	CUM	371.00	20568.00
4	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). M-								
		F1-	12	1.50	1.50	0.15	4.05		
		Floor	1	35.00	3.00	0.10	10.50		
	(BUILDING SOR. ITEM NO.- 3.1.3/23)					14.55	CUM	2970.00	43213.50
5	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). Grade of Concrete M-20								
		Footing-							
		F1-	12	1.20	1.20	0.20	3.46		
	Column upto Ground level-								
		C1-	12	0.30	0.30	1.30	1.40		
	Column upto Plinth level-								
		C1-	12	0.30	0.30	0.175	0.19		
	Column above Plinth level-								
		C1-	12	0.30	0.30	3.00	3.24		
		Kerb wall	2	41.00	0.30	0.20	4.92		
	(BUILDING SOR ITEM NO.- 3.2/23)					13.21	CUM	4163.00	54989.00
6	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415								
		Quantity as per item 3.3				13.21			
	(BUILDING SOR. ITEM NO.-3.12.1/24)				80kg/cum	1056.72	KG	54.50	57591.00
7	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
		Footing-							
		F1-	24	1.20	-	0.20	5.76		
			24	-	1.20	0.20	5.76		
	Column upto Ground level-								
		C1-	24	0.30	-	1.30	9.36		

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
		24	-	0.30	1.30	9.36			
	Column upto Plinth level-								
	C1-	24	0.30		0.175	1.26			
		24	-	0.30	0.175	1.26			
	Column above plinth								
	C1-	24	0.30		3.00	21.60			
		24	-	0.30	3.00	21.60			
	Kerb wall	2	41.00		0.300	24.60			
	(BUILDING SOR ITEM NO.- 2.1.1/16)					100.56	SQ.M	139.00	13978.00
8	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer. 9.3.2 Electric resistance or induction butt welded tubes Grade-300								
	Shed area	1	33.00	3.00	-	99.00			
					35KG/SQM	3465.00	KG	93.50	323977.50
	(BUILDING SOR ITEM NO.- 9.3.2/80)								
9	10.12 Supply and fixing of polymer pre-coated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.								
	Top Roof	1	3.50	22.00	-	77.00			
	Side of Truss	2	3.50		1.50	10.50			
						87.50	SQM	693.00	60637.50
	(BUILDING SOR ITEM NO.- 10.12/91)								
10	10.16 Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete :								
	10.16.6 Gutter. (600 mm over all girth)	1	22.00			22.00	MTR	629.00	13838.00
	(BUILDING SOR ITEM NO.- 10.16/91)								
11	Painting on new work (two or more coats) to give an even shade with Satin synthetic enamel paint								
	Shed truss	12	3.00	-	1.20	43.20			
	Runner	4	4.00	0.02		0.30			
	Pole	12	0.47		2.10	11.87			
	(BUILDING SOR. ITEM NO.-14.22.1/134)					55.37	SQM	55.00	3045.39

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
12	52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic hardening compound of approved quality mixed with cement in ratio of 4:1 (4 cement : 1 metallic floor hardening compound by weight) including finishing etc. complete.								
	(BUILDING SOR ITEM NO.12.4/111)	1.00	35.00	3.00	-	105.00	SQ.M	441.00	46305.00
13	Half brick thick brick masonry with fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in superstructure above plinth level upto plinth level: Cement Mortar 1:4 (1 cement : 4 coarse sand)								
		1.00	41.00	-	3.00	123.00			
	(BUILDING SOR. ITEM NO.- 7.4.1/45)					123.00	SQ.M	382.00	46986.00
14	Providing and making 12mm.thick cement plaster of mix : In Cement Mortar 1:6 (1 Cement : 6 fine Sand)								
	INNER	1.00	41.00	-	3.00	123.00			
	(BUILDING SOR. ITEM NO.-11.2/103)					123.00	SQ.M	91.50	11254.50
15	Providing and making 15mm.thick cement plaster on the rough side of single or half brickwall of mix. In Cement Mortar 1:6 (1 cement : 6 fine sand)								
	OUTER	1.00	41.00	-	3.00	123.00			
	(BUILDING SOR. ITEM NO.-11.3/103)					123.00	SQ.M	107.00	13161.00
16	Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applied @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Pomise sheen, Neroloc Litol Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour complete for the work.								
	INNER	1.00	41.00	-	3.00	123.00			
	As per Ammendment no 08, 05/05/2025 item no.16.62				Total	123.00	SQ.M	64.00	7872.00
17	Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S, Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2 Year Warranty)								
	OUTER	1.00	41.00	-	3.00	123.00			
	As per Ammendment no 08, 05/05/2025 item no.14.67				Total	123.00	SQ.M	70.00	8610.00
								Total Rs.	741002.00

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT JAMNIPASLI WARD NO - 51 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

WET WASTE TIPPING SHED AT SWM PLANT (4.00MX3.50M)

Based on C. G. P.W.D BUILDING S.O.R. IN FORCE FROM 1 JAN 2015

SN	DESCRIPTION OF ITEM	NO	MEASUREMEN			QTY	RATE	UNIT	AMOUNT
			L	B	H/D				
I	II	III	IV	V	VI	VII	VIII	IX	X
1	Dismantling flag stone flooring laid in cement/lime mortar including stacking of serviceable material and disposal of unserviceable material within 50 metre lead.								
		1	4	12		48			
	(BUILDING SOR ITEM NO.- 16.8/146)					48	57	Sqm	2,736.00
1	1.1 Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least								
	1.1.1 In all types of soils.								
	F1(1500X1500)	4	1.50	1.50	1.50	13.50			
	total					13.50	185.00	cum	2,497.50
2	1.18 Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc complete.								
	Footing								
	F1(1500X1500)	4	1.50	1.50	0.10	0.90			
	total					0.90	371.00	cum	333.90
3	3.1 Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	3.1.3 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
	Footing								
	F1(1500X1500)	4	1.50	1.50	0.10	0.90			
	total					0.90	2970.00	cum	2,673.00
4	2.1 Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal								

[illegible]

[illegible]

[illegible]

SN	DESCRIPTION OF ITEM		NO	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
	18.76.2 110 mm dia pipe.									
	Rain water Pipe		4	4.50			18.00			
	total						18.00	267.00	mtr	4,806.00
15	52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic hardening compound of approved quality mixed with cement in ratio of 4:1 (4 cement : 1 metallic floor hardening compound by weight) including finishing etc. complete.									
	(BUILDING SOR ITEM NO.12.4/111)		1.00	4.50	3.00	-	13.50	SQ.M	441.00	5953.50
									Total	161,979.96
									Add 3% Electrical and Plumbing Work	4,859.40
									SUB TOTAL	166,839.36

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT JAMNIPASLI WARD NO - 51 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

(Building SOR Items) W.E.F. - 01/01/2015

S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RAT E	AMOUN T
1	(BUILDING SOR ITEM NO. 10.12/91)	10.12 Supply and fixing of polymer precoated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required								
		Top Roof Sheet For Compost Pit shed	2	6.2	27	-	335			
							335	SQM	693	232016.40
2	(BUILDING SOR ITEM NO. 10.16/91)	10.16 Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete :								
		10.16.1 Ridges plain (500-600mm)	1	27			27	MTR	552	14904
		10.16.6 Gutter. (600 mm over all girth)	2	27			54	MTR	629	33966
SLRM FLOORING WORK										
8	(BUILDING SOR ITEM NO. 12.49/118)	25 mm thick KOTA stone slab flooring over 20mm (Average) thick base of cement mortar 1:4 laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including grinding rubbing and polishing etc. complete (Area of slab to be over 0.20 SQ.M and upto 0.50 SQ.M)								
			1.00	12.00	27.00	-	324.00			
		Add 10% Extra					32.40			
							356.40	SQ.M	897.00	319690.80

S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RAT E	AMOUN T
SLRM PAINTING WORK										
9	As per Ammendment no 08, 05/05/2025 item no.16.62	Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applied @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Pomise sheen, Neroloc Litil Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour complete for the work.								
		INSIDE	2	24	-	1.2	57.60			
			1	9	-	1.2	10.80			
			3	12	-	3	108.00			
			6	3	-	3	54.00			
		Door Deduct	3	3	-	2.1	18.90			
			4	0.9	-	2.1	7.56			
						Total	203.94	Sqm	64.00	13052.16
10	As per Ammendment no 08, 05/05/2025 item no.14.67	Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S, Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2								
		OUTSIDE	2	24	-	1.2	57.60			
			1	9	-	1.2	10.80			
			1	20	-	3	60.00			
		Door Deduct	3	3	-	2.1	18.90			
						Total	109.50	Sqm	70.00	7665.00
11	As per Ammendment no 08, 05/05/2025 item no.14.74	Providing and applying priming coat on steel work with red Oxide/ zinc phosphate primer applied @ 0.50 lit /Sqm as per relevant code 3536:1999 (product such as Asian Zinc phosphate , Dulux Steel primer, Burger Red oxide primer) with all tools tackles and labour etc. complete for the work.								
		Premium synthetic enamel paint								
		On Steel								
		SLRM Pole & Fence	2	19.0	2.00		76.00			
			1	12.0	2.00		24.00			
		Door	1	3.0	2.10		6.30			
			1	2.0	2.10		4.20			
					Total		110.50			
		Add 20% Extra					22.10			
				Sub Total			132.60	Sqm	35.00	4641

S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RAT E	AMOUN T
12	As per Ammendment no 08, 05/05/2025 item no.14.76	Providing and applying Aluminium paint minimum 2 coats in all metal surface applying @ 0.75 li/ 10 Sqm up to required finish as per relevant I.S. code 2932: 2013 of (Product such as Asian Apcolite aluminium paint, Dulux Aliminium paint, Burger Superior Aluminium Paint) with all tools tackle and labour etc. complete for the work					132.60	sqm	43.00	5701.80
TOTAL										631637.16

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT JAMNIPASLI WARD NO - 51 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" RAIN WATER HARVESTING (1.00X1.00X1.20 M) "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soil								
	(BUILDING SOR. ITEM NO.-1.1.1/9)	1	1.40	1.40	1.20	2.35	CUM	185.00	434.75
2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	bottom Beam-	2	1.40	0.20	0.20	0.11			
		2	1.00	0.20	0.20	0.08			
	Top Slab-	1	1.40	1.40	0.10	0.20			
	(BUILDING SOR ITEM NO.-3.9/24)					0.39	CUM	4163.00	1623.57
3	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: 3.12.1 Thermo-Mechanically treated bars FE 415								
		Qty. as per item No.-3.2.1				0.39			
	(SOR ITEM NO.-3.12.1/24)		50 kg/cum			19.5	KG	54.50	1062.75
4	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:								
	(BUILDING SOR ITEM NO.-7.5.4/45)	1	4.80	0.20	1.40	1.34	CUM	3263.00	4385.47
5	Supplying, filling, spreading & leveling stone boulders/ Gravels/ Coarse sand, in recharge pit, in the required layers and thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.								
	Stone boulders of size range 5 cm to 20 cm, in recharge pit	1	1.00	1.00	0.40	0.40	CUM	863.00	345.20
	Gravels of size range 5 mm to 10 mm, over the existing layer of	1	1.00	1.00	0.30	0.30	CUM	806.00	241.80
	Coarse sand of size range 1.5 mm to 2 mm over existing layer of	1	1.00	1.00	0.20	0.20	CUM	471.00	94.20
	(BUILDING SOR ITEM NO.-21.14/201)								
	PIPELINE-								
6	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	In all types of soil	1	50.0	0.30	0.30	4.50	CUM	185.00	832.50
	(BUILDING SOR ITEM NO.-1.1/9)								
7	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm. In depth consolidation each deposited layer by ramming and watering with a lead upto 50M. And lift upto 1.5M.								
	50% of Item No 1	-	-	-	-	2.25	CUM	65.00	146.25
	(BUILDING SOR ITEM NO.-1.17/11)								
8	Providing and filling in open area with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	50% of Item No 1 - Pipe Dia	-	-	-	-	2.25	CUM	371.00	834.75

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT JAMNIPASLI WARD NO - 51 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

SANITARY REPAIRING

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same colour), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	18.4.2 Coloured pedestal type	1	-	-	-	1.00	EACH	3592.00	3,592.00
	(BUILDING SOR ITEM NO.-18.4/161)								
2	18.1 Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :								
	Coloured Orissa pattern W.C. pan of size 580x440 mm	1	-	-	-	1.00	EACH	3545.00	3,545.00
	(BUILDING SOR ITEM NO.-18.1/160)								
3	Providing and fixing 10 litre capacity P.V.C. low level flushing cistern conforming to IS : 7231, with all fittings and fixtures								
	18.7.2 Coloured	2	-	-	-	2.00	EACH	837.00	1,674.00
	(BUILDING SOR ITEM NO.-18.7/161)								
4	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :								
	Coloured Size 550x450 mm	1	-	-	-	1.00	EACH	1894.00	1,894.00
	(BUILDING SOR ITEM NO.-18.17/162)								
5	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382								
	18.76.1 75 mm dia pipe.	1	5.00	-	-	5.00	MTR	182.00	910.00
	18.76.2 110 mm dia pipe.	1	5.00	-	-	5.00	MTR	267.00	1,335.00
	(BUILDING SOR ITEM NO.-18.76/170)								
6	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.								
	Tee/ Tee with door/ Bend 45°/ Bend 90°								
	18.77.1.1 75 mm	5	-	-	-	5.00	EACH	113.00	565.00
	18.77.1.2 110 mm	5	-	-	-	5.00	EACH	154.00	770.00
	Vent covel								
	18.77.3.1 75 mm	4	-	-	-	4.00	EACH	34.00	136.00
	18.77.3.2 110 mm	4	-	-	-	4.00	EACH	44.00	176.00
	Access door cap								
	18.77.4.1 75 mm	10	-	-	-	10.00	EACH	49.50	495.00
	18.77.4.2 110 mm	10	-	-	-	10.00	EACH	59.00	590.00
	18.77.6 Nahani Trap 110	10	-	-	-	10.00	EACH	90.50	905.00
	(BUILDING SOR ITEM NO.-18.77/170)								

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
7	Providing and fixing UV stabilized Unplasticised PVC pipe clips of approved design to Rigid PVC pipes by means of 50 x 50 x 50 mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1cement :4 coarse sand) and making good the wall etc. complete.								
	18.78.1 75 mm	10	-	-	-	10.00	EACH	57.00	570.00
	18.78.2 110 mm	10	-	-	-	10.00	EACH	61.00	610.00
	(BUILDING SOR ITEM NO.-18.78/171)								
8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.CONCEALED WORK including cutting chases and making good the walls etc.,								
	19.5.1 15 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	133.00	665.00
	19.5.2 20 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	167.00	835.00
	(BUILDING SOR ITEM NO.-19.5/176)								
9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.INTERNAL WORK - EXPOSED ON WALL.								
	19.4.3 25 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	199.00	995.00
	19.4.4 32 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	271.00	1,355.00
	19.4.5 40 mm nominal outer dia .Pipes.	1	5.00	-	-	5.00	MTR	362.00	1,810.00
	(BUILDING SOR ITEM NO.-19.5/176)								
10	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete:								
	19.7.6 50 mm dia. nominal bore	1	5.00	-	-	5.00	MTR	471.00	2,355.00
	(BUILDING SOR ITEM NO.-19.7/177)								
11	Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:								
	19.14.1 Bib cock (400 grams)	2	-	-	-	2.00	EACH	382.00	764.00
	19.14.6 Stop cock (concealed) (600 grams)	2	-	-	-	2.00	EACH	494.00	988.00
	19.14.4 Piller Cock (400 grams)	2	-	-	-	2.00	EACH	398.00	796.00
	19.14.14 Soap dish plate	2	-	-	-	2.00	EACH	163.00	326.00
	(BUILDING SOR ITEM NO.-19.14/179)								
12	Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.								
	18.25.2 40 mm dia								
	(BUILDING SOR ITEM NO.-18.25.2/164)	4	-	-	-	4.00	EACH	88.50	354.00

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
13	Providing and fixing 600x450 mm beveled edge 4mm mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.								
	(BUILDING SOR ITEM NO.-18.29/164)	2	-	-	-	2.00	EACH	599.00	1,198.00
14	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :								
	18.30.1 5mm thick mirror								
	(BUILDING SOR ITEM NO.-18.30/164)	2	0.60	0.60	-	0.72	SQ.M	2016.00	1,452.00
15	Making connection of G.I. distribution branch in G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete: (dia of main line to be measured)								
	19.10.4 50 mm nominal bore	5	-	-	-	5.00	EACH	347.00	1,735.00
	(BUILDING SOR ITEM NO.-19.10/178)								
16	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):								
	19.16.4 50 mm nominal bore	2	-	-	-	2.00	EACH	762.00	1,524.00
	(BUILDING SOR ITEM NO.-19.16/179)								
17	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :								
	20.1.1 100 mm diameter	1	10.00	-	-	10.00	MTR	162.00	1,620.00
	(BUILDING SOR ITEM NO.-20.1/189)								
18	Providing and constructing brick masonry chamber for underground pipe and and bends with well burnt modular clay bricks crushing strength not less than 35kg/cm2 in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) R.C.C. top slab with 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20 mm nominal size) foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design :								
	20.28.1 Inside dimensions 455x610 mm and 45 cm deep for single pipe line	1	-	-	-	1.00	EACH	3796.00	3,796.00
	(BUILDING SOR ITEM NO.-20.28/194)								
19	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.								
	(BUILDING SOR ITEM NO.- 19.42/184)	1.00	-	-	-	1000.00	LTR	7.30	7,300.00
								Total Rs.	47,635.00

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT JAMNIPASLI WARD NO - 51 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

ELECTRIFICATION WORKS

As Per CG Electrical SOR 2020

S.No	Item	Particulars	Quantit	Unit	Rate	Amount
1	1.7	Wiring for light/ fan/ exhaust fan / call bell point with 3x1.5 sqmm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) with 5/6 amp modular switch, modular base and cover plate, suitable size G.I. box as per specification and IS: 694 (2010), IS: 9537 (2000)				
	1.7.1	Short Point	8.00	Point	266.00	2128.00
	1.7.2	Medium Point	27.00	Point	424.00	11448.00
	1.7.3	Long Point	8.00	Point	588.00	4704.00
2	1.9	Extra for providing and fixing light plug point on board in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) point wiring with modular type 3 pin 5/6 amp socket outlet and 5/6 amp switch including cost of base and cover plate and G. I. box etc. as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)	6.00	Point	216.00	1296.00
3	1.13	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, wire in concealed FRLS PVC conduit (heavy duty, thickness of pipe				
	1.13.1	3 X 1.5 sq. mm in 20mm conduit	27.00	Metre	92.00	2484.00
	1.13.8	3 X 10 sq. mm in 25mm conduit	10.00	Metre	270.00	2700.00
4	1.15	Supplying and fixing of following sizes FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) along with accessories in concealed complete as per specification and IS: 9537 (2000 Part				
	1.15.1	20 mm	80.00	Metre	42.00	3360.00
5	5.1	Supplying and fixing following piano type switch, socket, other accessories on the existing switch box/ cover including connections etc. as per specification.				
	5.1.12	Fan regulator	10.00	Each	130.00	1300.00
6	5.11	Providing and fixing fan clamp made of 3mm thick MS flat on existing iron trusses/ girder including necessary bolts and nuts etc. as per specification.				
			10.00	Each	40.00	400.00

S.No	Item	Particulars	Quantit	Unit	Rate	Amount
7	6.1	Supplying, installation, testing and commissioning of following sizes ceiling fan including wiring the down rods of standard length up to 30 cm with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, earthing etc. complete as required. P.F. should be greater than 0.9, with BEE Star rating from 1 star and above, IS: 374:2019 including all				
	6.1.1	600 mm sweep	10.00	Each	1477.00	14770.00
8	6.19.3	Supplying, installation, testing and commissioning of following LED tube light fitting including batten with Electronic Driver Heat sink Capacitor complete with all other accessories on surface/ in false ceiling, including connection, earthing etc complete as per specification and IP20, P.F. should be greater than 0.9. LED chip				
	6.15.3	18/20 watt {4 feet}	10.00	Each	443.00	4430.00
	Total					49020.00

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT PUMP HOUSE WARD NO - 14 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

" SHED EXTENSION - 20.0 X 5.0 "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUN T
1	Dismantling flag stone flooring laid in cement/lime mortar including stacking of serviceable material and disposal of unserviceable material within 50 metre								
		1	20.00	5.00		100.00			
	(BUILDING SOR ITEM NO.- 16.8/146)					100.00	SQ.M	57.00	5700.00
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	F1-	7	1.50	1.50	1.80	28.35			
	(BUILDING SOR ITEM NO.-1.1.1/9)					28.35	CUM	185.00	5245.00
3	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including								
	F1-	7	1.50	1.50	1.80	28.35			
	Deduction- Sand cushion, pcc, footing, column up to					-7.56			
	F1-	7	1.50	1.50	0.15	2.36			
	Floor	1	4.00	12.00	0.15	7.20			
	(BUILDING SOR. ITEM NO.-1.18/11)					30.35	CUM	371.00	11261.00
4	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone								
	F1-	7	1.50	1.50	0.15	2.36			
	(BUILDING SOR. ITEM NO.- 3.1.3/23)					2.36	CUM	2970.00	7016.63
5	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone								
	Footing-								
	F1-	7	1.20	1.20	0.20	2.02			
	Column upto Ground level-								
	C1-	7	0.30	0.30	1.30	0.82			
	Column upto Plinth level-								
	C1-	7	0.30	0.30	0.175	0.11			
	Column above Plinth level-								
	C1-	7	0.30	0.30	3.000	1.89			
	Ground Beam	1	25.00	0.30	0.200	1.50			
	(BUILDING SOR ITEM NO.- 3.2/23)					6.34	CUM	4163.00	26374.00
6	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete:								
	Quantity as per item 3.3					6.34			
	(BUILDING SOR. ITEM NO.-3.12.1/24)		80kg/cum			506.82	KG	54.50	27622.00

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT
7	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type								
	Footing-								
	F1-	14	1.20	-	0.20	3.36			
		14	-	1.20	0.20	3.36			
	Column upto Ground level-								
	C1-	14	0.30	-	1.30	5.46			
		14	-	0.30	1.30	5.46			
	Column upto Plinth level-								
	C1-	14	0.30		0.175	0.74			
		14	-	0.30	0.175	0.74			
	Column above plinth								
	C1-	14	0.30		3.00	12.60			
		14	-	0.30	3.00	12.60			
	Ground Beam	2	25.00		0.300	15.00			
	(BUILDING SOR ITEM NO.- 2.1.1/16)					59.31	SQ.M	139.00	8244.00
8	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer.								
	Shed area	1	20.00	5.00	-	100.00			
						35KG/SQM	3500.00	KG	93.50
	(BUILDING SOR ITEM NO.- 9.3.2/80)								
9	10.12 Supply and fixing of polymer precoated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm								
	Top Roof	1	5.30	20.00	-	106.00			
	Side of Truss	1	5.30		1.50	7.95			
						113.95	SQM	693.00	78967.35
	(BUILDING SOR ITEM NO.- 10.12/91)								

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT PUMP HOUSE WARD NO - 14 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

DETAILED ESTIMATE FOR CONSTRUCTION OF WET WASTE TIPPING SHED (5.00MX6.00M)

Based on C. G. P.W.D BUILDING S.O.R. IN FORCE FROM 1 JAN 2015

SN	DESCRIPTION OF ITEM	N O	MEASUREMENT			QTY	RATE	UNI T	AMOUNT
			L	B	H/D				
I	II	III	IV	V	VI	VII	VIII	IX	X
1	1.1 Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the								
	1.1.1 In all types of soils.								
	F1(1500X1500)	8	1.50	1.50	1.50	27.00			
	total					27.00	185.00	cum	4,995.00
2	1.18 Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc complete.								
	Footing								
	F1(1500X1500)	8	1.50	1.50	0.10	1.80			
	total					1.80	371.00	cum	667.80
3	3.1 Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	3.1.3 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
	Footing								
	F1(1500X1500)	8	1.50	1.50	0.10	1.80			
	total					1.80	2970.00	cum	5,346.00
4	7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:								
	7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand)								
	Below Plinth Level								
	L Wall	4	2.14	0.30	0.30	0.77			
	X Wall	4	2.64	0.30	0.30	0.95			
		1	4.58	0.30	0.30	0.41			
	total					2.13	3263.00	cum	6,959.98
5	2.1 Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal								

SN	DESCRIPTION OF ITEM		N O	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
	2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.									
	Footings									
	F1(1500X1500)	2	8	1.30		0.15	3.12			
		2	8		1.30	0.15	3.12			
	Column upto G L									
	C1(300X300)	2	8	0.30		0.65	3.12			
		2	8	0.30		0.65	3.12			
	Column above G L									
	C1(300X300)	2	8	0.30		0.30	1.44			
		2	8	0.30		0.30	1.44			
	Plinth Beam									
	L Wall	2	4	2.14		0.30	5.14			
	X Wall	2	4	2.64		0.30	6.34			
		2	1	4.58		0.30	2.75			
	total						29.58	139.00	sqm	4,111.62
6	3.2 Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works up to plinth level excluding cost of form work									
	3.2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).									
	F1(1500X1500)		8	1.30	1.30	0.20	2.70			
	$0.3/6*((1.2*1.2)+(0.3*0.2)+(4*((1.2+0.3)/2*((1.2+0.2)/2)))$		8			0.20	1.60			
	Subtotal a						4.30			
	Column upto G L									
	C1(300X300)		8	0.30	0.30	0.65	0.47			
	Subtotal b						0.47			
	Column above G L									
	C1(300X300)		8	0.30	0.30	0.30	0.22			
	Subtotal c						0.22			
	Plinth Beam									
	L Wall		4	2.14	0.30	0.30	0.77			
	X Wall		4	2.64	0.30	0.30	0.95			
			1	4.58	0.30	0.30	0.41			
	Subtotal d						2.13			
	total (a+b+c)						7.12	4163.00	cum	29,644.72
7	3.12 Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:									
	3.12.1 Thermo-Mechanically treated bars FE 415									
	Footing			4.30	1.00	78.50	337.86			

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SN	DESCRIPTION OF ITEM		N O	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
10	11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall									
	11.3.3 In Cement Mortar 1:5 (1 cement : 5 fine sand)									
	External Wall	1	2	5.00		0.60	6.00			
		1	2	6.00		0.60	7.20			
	total						13.20	113.00	sqm	1,491.60
11	14.9 Distempering with acrylic washable distemper to give an even shade.									
	14.9.1 On new work (Two or more coats)									
	Area of Internal Wall									
	Area of Plaster						2.88			
	total						2.88	38.00	sqm	109.44
12	14.14 Finishing walls with water proofing cement paint of required shade to give an even shade.									
	14.14.1 On new work (Two or more coats applied @ 3.84 kg/10 sqm)									
	External Wall									
	Area of External Plaster						13.20			
	total						13.20	41.00	sqm	541.20
13	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and									
	9.3.1 Electric resistance or induction butt welded tubes Grade-250									
	PWD S.O.R.-P-80/I-9.3.1									
	150Dia Pole @21.30kg/meter	1	8	4.50	21.30	-	766.80			
	Truss On Shed									
	Tie Beam 50mm dia @6.19Kg/meter	4	1	7.00	6.19	-	173.32			
	Rafter 50mm dia @6.19Kg/meter	4	2	4.35	6.19	-	215.41			
	Intermediate members 50mm dia @6.19Kg/meter	4	2	4.60	6.19	-	227.79			
	Purlins 40mm dia @ 4.37Kg/meter (On Top)	2	2	8.00	4.37	-	139.84			
	Gusset Plate, Fixing Bolt and Base Plate Etc						180.00			
	total						1703.16	88.50	Kg	150,729.66

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SN	DESCRIPTION OF ITEM		N O	MEASUREMENT			QTY	RATE	UNI T	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
	18.76.2 110 mm dia pipe.									
	Rain water Pipe		4	4.50			18.00			
	total						18.00	267.00	mtr	4,806.00
19	12.4 52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic hardening compound of									
			1	5.00	6.00		30.00			
	total						30.00	441.00	sqm	13,230.00
									Total	338,128.04
									Add 3% Electrical and Plumbing Work	10,143.84
									SUB TOTAL	348,271.89

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT PUMP HOUSE WARD NO - 14 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

(Building SOR Items) W.E.F. - 01/01/2015

S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RATE	AMOUNT
SLRM FLOORING WORK										
1	(BUILDING SOR ITEM NO.- 12.49/118)	25 mm thick KOTA stone slab flooring over 20mm (Average) thick base of cement mortar 1:4 laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including grinding rubbing and polishing etc. complete (Area of slab to be over 0.20 SQ.M and upto 0.50 SQ.M)								
			1.00	12.00	27.00	-	324.00			
		Add 10% Extra					32.40			
							356.40	SQ.M	897.00	319690.80
									TOTAL	319690.80

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT PUMP HOUSE WARD NO - 14 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

" RAIN WATER HARVESTING (1.00X1.00X1.20 M) "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soil								
	(BUILDING SOR. ITEM NO.-1.1.1/9)	1	1.40	1.40	1.20	2.35	CUM	185.00	434.75
2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	bottom Beam-	2	1.40	0.20	0.20	0.11			
		2	1.00	0.20	0.20	0.08			
	Top Slab-	1	1.40	1.40	0.10	0.20			
	(BUILDING SOR ITEM NO.-3.9/24)					0.39	CUM	4163.00	1623.57
3	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: 3.12.1 Thermo-Mechanically treated bars FE 415								
		Qty. as per item No.-3.2.1				0.39			
	(SOR ITEM NO.-3.12.1/24)		50 kg/cum			19.5	KG	54.50	1062.75
4	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: 7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand)								
	(BUILDING SOR ITEM NO.-7.5.4/45)	1	4.80	0.20	1.40	1.34	CUM	3263.00	4385.47
5	Supplying, filling, spreading & leveling stone boulders/ Gravels/ Coarse sand, in recharge pit, in the required layers and thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge. (excavation of pit will be paid separately)								
	Stone boulders of size range 5 cm to 20 cm, in recharge pit	1	1.00	1.00	0.40	0.40	CUM	863.00	345.20
	Gravels of size range 5 mm to 10 mm, over the existing layer of boulders	1	1.00	1.00	0.30	0.30	CUM	806.00	241.80
	Coarse sand of size range 1.5 mm to 2 mm over existing layer of gravel	1	1.00	1.00	0.20	0.20	CUM	471.00	94.20
	(BUILDING SOR ITEM NO.-21.14/201)								
	PIPELINE-								
6	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	In all types of soil	1	50.0	0.30	0.30	4.50	CUM	185.00	832.50
	(BUILDING SOR ITEM NO.-1.1/9)								

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT KHARMORA WARD NO - 35 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

" SHED EXTENSION - 20.0 X 5.0 "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Dismantling flag stone flooring laid in cement/lime mortar including stacking of serviceable material and disposal of unserviceable material within 50 metre lead.								
		1	20.00	5.00		100.00			
	(BUILDING SOR ITEM NO.- 16.8/146)					100.00	SQ.M	57.00	5700.00
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. 1.1.1) In all types of soil								
	F1-	7	1.50	1.50	1.80	28.35			
	(BUILDING SOR ITEM NO.-1.1.1/9)					28.35	CUM	185.00	5245.00
3	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	F1-	7	1.50	1.50	1.80	28.35			
	Deduction- Sand cushion, pcc,footing,column up to GL-					-7.56			
	F1-	7	1.50	1.50	0.15	2.36			
	Floor	1	4.00	12.00	0.15	7.20			
	(BUILDING SOR. ITEM NO.-1.18/11)					30.35	CUM	371.00	11261.00
4	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). M-10								
	F1-	7	1.50	1.50	0.15	2.36			
	(BUILDING SOR. ITEM NO.- 3.1.3/23)					2.36	CUM	2970.00	7016.63
5	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone								
	Footing-								
	F1-	7	1.20	1.20	0.20	2.02			
	Column upto Ground level-								
	C1-	7	0.30	0.30	1.30	0.82			
	Column upto Plinth level-								
	C1-	7	0.30	0.30	0.175	0.11			
	Column above Plinth level-								
	C1-	7	0.30	0.30	3.000	1.89			
	Ground Beam	1	25.00	0.30	0.200	1.50			
	(BUILDING SOR ITEM NO.- 3.2/23)					6.34	CUM	4163.00	26374.00

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
6	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415								
		Quantity as per item 3.3				6.34			
	(BUILDING SOR. ITEM NO.-3.12.1/24)		<u>80kg/cum</u>			506.82	KG	54.50	27622.00
7	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall								
	Footing-								
	F1-	14	1.20	-	0.20	3.36			
		14	-	1.20	0.20	3.36			
	Column upto Ground level-								
	C1-	14	0.30	-	1.30	5.46			
		14	-	0.30	1.30	5.46			
	Column upto Plinth level-								
	C1-	14	0.30		0.175	0.74			
		14	-	0.30	0.175	0.74			
	Column above plinth								
	C1-	14	0.30		3.00	12.60			
		14	-	0.30	3.00	12.60			
	Ground Beam	2	25.00		0.300	15.00			
	(BUILDING SOR ITEM NO.- 2.1.1/16)					59.31	SQ.M	139.00	8244.00
8	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer. 9.3.2 Electric resistance or induction butt welded tubes Grade-300								
	Shed area	1	20.00	5.00	-	100.00			
			35KG/SQM			3500.00	KG	93.50	327250.00
	(BUILDING SOR ITEM NO.- 9.3.2/80)								

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
9	10.12 Supply and fixing of polymer precoated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. flatnut washers or with G.I.								
	Top Roof	1	5.30	20.00	-	106.00			
	Side of Truss	1	5.30		1.50	7.95			
						113.95	SQM	693.00	78967.35
	(BUILDING SOR ITEM NO.- 10.12/91)								
10	10.16 Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers								
	10.16.6 Gutter. (600 mm over all girth)	1	20.00			20.00	MTR	629.00	12580.00
	(BUILDING SOR ITEM NO.- 10.16/91)								
11	Painting on new work (two or more coats) to give an even shade with Satin synthetic enamel paint								
	Shed truss	1	20.00	-	1.50	30.00			
	Runner	6	20.00	0.02		2.26			
	Pole	7	0.47		2.10	6.92			
	(BUILDING SOR. ITEM NO.-14.22.1/134)					39.18	SQM	55.00	2155.15
12	52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic hardening compound of approved quality mixed with cement in ratio of 4:1 (4 cement : 1 metallic floor hardening compound by weight) including finishing etc. complete.								

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT KHARMORA WARD NO - 35 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

**DETAILED ESTIMATE FOR CONSTRUCTION OF WET WASTE TIPPING SHED
(5.00MX6.00M)**

Based on C. G. P.W.D BUILDING S.O.R. IN FORCE FROM 1 JAN 2015

SN	DESCRIPTION OF ITEM		N O	MEASUREMENT			QTY	RATE	UNI T	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
1	1.1 Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead									
	1.1.1 In all types of soils.									
	F1(1500X1500)		8	1.50	1.50	1.50	27.00			
	total						27.00	185.00	cum	4,995.00
2	1.18 Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc complete.									
	Footing									
	F1(1500X1500)		8	1.50	1.50	0.10	1.80			
	total						1.80	371.00	cum	667.80
3	3.1 Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form									
	3.1.3 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal									
	Footing									
	F1(1500X1500)		8	1.50	1.50	0.10	1.80			
	total						1.80	2970.00	cum	5,346.00
4	7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:									
	7.5.4 Cement Mortar 1:6 (1 cement : 6									
	Below Plinth Level									
	L Wall		4	2.14	0.30	0.30	0.77			
	X Wall		4	2.64	0.30	0.30	0.95			
			1	4.58	0.30	0.30	0.41			
	total						2.13	3263.00	cum	6,959.98

SN	DESCRIPTION OF ITEM		N O	MEASUREMENT			QTY	RATE	UNI T	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
5	2.1 Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal									
	2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below									
	Footings									
	F1(1500X1500)	2	8	1.30		0.15	3.12			
		2	8		1.30	0.15	3.12			
	Column upto G L									
	C1(300X300)	2	8	0.30		0.65	3.12			
		2	8	0.30		0.65	3.12			
	Column above G L									
	C1(300X300)	2	8	0.30		0.30	1.44			
		2	8	0.30		0.30	1.44			
	Plinth Beam									
	L Wall	2	4	2.14		0.30	5.14			
	X Wall	2	4	2.64		0.30	6.34			
		2	1	4.58		0.30	2.75			
	total						29.58	139.00	sqm	4,111.62
6	3.2 Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works up to plinth level excluding cost of form work									
	3.2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal									
	F1(1500X1500)		8	1.30	1.30	0.20	2.70			
	0.3/6*((1.2*1.2)+(0.3*0.2)+(4*(1.2+0.3)/2*(1.2+0.2)/2))		8			0.20	1.60			
	Subtotal a						4.30			
	Column upto G L									
	C1(300X300)		8	0.30	0.30	0.65	0.47			
	Subtotal b						0.47			
	Column above G L									
	C1(300X300)		8	0.30	0.30	0.30	0.22			
	Subtotal c						0.22			
	Plinth Beam									
	L Wall		4	2.14	0.30	0.30	0.77			
	X Wall		4	2.64	0.30	0.30	0.95			
			1	4.58	0.30	0.30	0.41			
	Subtotal d						2.13			
	total (a+b+c)						7.12	4163.00	cum	29,644.72

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SN	DESCRIPTION OF ITEM		N O	MEASUREMENT			QTY	RATE	UNI T	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
18	18.76 Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers jointing with 18.76.2 110 mm dia pipe.									
	Rain water Pipe		4	4.50			18.00			
	total						18.00	267.00	mtr	4,806.00
19	12.4 52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of									
			1	5.00	6.00		30.00			
	total						30.00	441.00	sqm	13,230.00
Total										338,128.04
Add 3% Electrical and Plumbing Work										10,143.84
SUB TOTAL										348,271.89

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT KHARMORA WARD NO - 35 "
NAGAR PALIKA NIGHAM, KORBA (C.G.)**

(Building SOR Items) W.E.F. - 01/01/2015

S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RATE	AMOUNT
SLRM FLOORING WORK										
1	(BUILDING SOR ITEM NO. 12.49/118)	25 mm thick KOTA stone slab flooring over 20mm (Average) thick base of cement mortar 1:4 laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including grinding rubbing and polishing etc. complete (Area of slab to be over 0.20 SQ.M and upto 0.50 SQ.M)								
			1.00	12.00	27.00	-	324.00			
		Add 10% Extra					32.40			
							356.40	SQ.M	897.00	319690.80
TOTAL									319690.80	

DETAILED ESTIMATE FOR PROPOSED WORK OF " SLRM CENTRE AT KHARMORA WARD NO - 35 " NAGAR PALIKA NIGHAM, KORBA (C.G.)

" RAIN WATER HARVESTING (1.00X1.00X1.20 M) "

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT BARBASPUR WARD NO - 9 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

"WINDROW COMPOST PLANT - 6 TPD"

S. NO.	SOR	PARTICULARS	NO.		L	B	H/D	QTY	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	1.10	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.									
		Footing	14	1	1.50	1.50	1.75	55.13			
								55.13	CUM	185.00	10198.13
2	1.17	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm. In depth consolidation each deposited layer by ramming and watering with a lead upto 50M. And lift upto 1.5M.									
		50% of excavated material						27.56			
								27.56	CUM	65.00	1791.56
3	1.18	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.									
		Footing	14	1	1.50	1.50	0.10	3.15			
		In Flooring	1	1	25.00	12.20	0.50	152.50			
								155.65	CUM	371.00	57746.15
4	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work									
	3.1.3	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).									
		Footing	14	1	1.50	1.50	0.10	3.15			
		In Flooring	1	1	25.00	12.20	0.15	45.75			
								48.90	CUM	2970.00	145233.00
5	3.2.1	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.									
		1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).									
		Footing	14				0.20	4.73			
			14		1.30	1.30	0.22	3.04			
		sub total						7.77			
		Column upto G L									
		C1(300X300)	14		0.30	0.30	1.10	1.39	4.43		
		sub total						1.39			
		Column above G L									
		C1(300X300)	14		0.30	0.30	0.35	0.44			
								0.44			
		Plinth Beam									
		L Wall	10		3.70	0.30	0.40	4.44			
			2		4.30	0.30	0.40	1.03			
		X Wall	2		11.60	0.30	0.40	2.78			
		Subtotal						8.26			
		TOTAL						17.85	CUM	4163.00	74322.04

S. NO.	SOR	PARTICULARS	NO.		L	B	H/D	QTY	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
6	3.12	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: 3.1 2.1 Thermo-Mechanically treated bars FE 41 5									
		Footing			7.77	1.20	78.50	731.93			
		Column			1.83	1.20	78.50	172.39			
		Plinth Beam			8.26	1.20	78.50	778.09			
								1682.41	KG	54.50	91691.45
7	2.10	2.1 Providing and fixing form work including centring,shuttering, strutting, staging, propping bracing etc.complete and including its removal									
		2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.									
		Footings									
		F1(1500X1500)	2	14	1.30		0.20	7.28			
			2	14	1.30		0.20	7.28			
		Column upto G L									
		C1(300X300)	2	14	0.30		1.10	9.24			
			2	14	0.30		1.10	9.24			
		Column above G L									
		C1(300X300)	2	14	0.30		0.35	2.94			
			2	14	0.30		0.35	2.94			
		Plinth Beam									
		L Wall	2	10	3.70		0.40	29.60			
			2	2	4.30		0.40	6.88			
		X Wall	2	2	11.60		0.40	18.56			
		total						93.96	sqm	139.00	13060.44
8	7.5.4	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to 15:12894-2002 of class designation 40 in foundation and plinth in: 7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand) - Extra for brick work in superstructure Above 1 plinth level for every floor or part thereof in addition to rate for foundation and plinth:									
		Below Plinth Level L Wall		10	3.7	0.3	0.3	3.33			
		X Wall		2	4.30	0.30	0.30	0.77			
				2	11.60	0.30	0.30	2.09			
								6.19	CUM	3384.00	20953.73
9	7.5.4	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to 15:12894-2002 of class designation 40 in foundation and plinth in: 7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand) - Extra for brick work in superstructure Above 1 plinth level for every floor or part thereof in addition to rate for foundation and plinth:									
		L Wall		2	25.00	0.20	0.35	3.50			
		X Wall		2	12.20	0.20	0.35	1.71			
		Subtotal						5.21			
		Deductions									
		Opening		1	4.00	0.20	0.35	0.28			
		Subtotal						0.28			
		TOTAL						4.93	CUM	3452.00	17018.36

S. NO.	SOR	PARTICULARS	NO.		L	B	H/D	QTY	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
10	11.3.3	11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall 11.3.3 In Cement Mortar 1:5 (1 cement : 5 fine sand) External Wall									
			2	1	25.00		0.60	30.00			
			2	1	12.20		0.60	14.64			
		TOTAL						44.64	sqm	113.00	5044.32
11	14.9.1				30.52			30.52			
		TOTAL						30.52	sqm	38.00	1159.76
12	14.14.1				44.64			44.64			
		TOTAL						44.64	sqm	41.00	1830.24
13	9.3	Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a									
	9.1.3	Electric resistance or induction butt welded tubes Grade-250									
		PWD S.O.R.-P-80/I-9.3.1									
		Pole @38.90kg/meter	1	14	4.65	38.90	-	2532.39			
		Truss On Processing Shed									
		Tie Beam 50mm dia @6.19Kg/meter	7	1	13.20	6.19	-	571.96			
		Rafter 50mm dia @6.19Kg/meter	7	2	6.54	6.19	-	566.76			
		Intermediate members 50mm dia @6.19Kg/meter	7	2	14.50	6.19	-	1256.57			
		Purlins 40mm dia @ 4.37Kg/meter (On Top)	3	2	26.00	4.37	-	681.72			
		Gusset Plate, Fixing Bolt and Base Plate Etc						450.00			
		total						6059.40	KG	88.50	536256.90
14	10.12			1	26.00	13.20		343.20			
		total						343.20	sqm	693.00	237837.60
15	10.16	Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete :									
	10.16.1	Ridges plain (500-600mm) Ridge		1	26.00			26.00			
		total						26.00	mtr.	552.00	14352.00

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLMR CENTRE AT BARBASPUR WARD NO - 9 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" PROPOSED LEACHATE TANK 5.00X2.00X1.50 M "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Excavation for all types and sizes of foundations trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at teats 5m away from the excavated area), including dressing and leveling of pits. 1.1.1) In all types of soil								
	(BUILDING SOR ITEM NO.-1.1/9)	1	5.70	2.70	2.10	32.32	CUM	185.00	5979.02
2	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm. In depth consolidation each deposited layer by ramming and watering with a lead upto 50M. And lift upto 1.5M.								
	Excavated Area-	1	5.70	2.70	2.10	32.32			
	Deduction Tank Area-	-1	5.40	2.40	1.50	-19.44			
	P.C.C.-	-1	5.70	2.70	0.15	-2.31			
	(BUILDING SOR ITEM NO.-1.17/11)					10.57	CUM	65.00	687.08
3	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	(BUILDING SOR ITEM NO.- 1.18/11)	1	5.70	2.70	0.15	2.31	CUM	371.00	856.45
4	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of from work. 3.1.3) 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
	(BUILDING SOR ITEM NO.- 3.1.3/23)	1	5.70	2.70	0.15	2.31	CUM	2970.00	6856.25
5	Providing and laying nominal mix reinforcement cement concrete with crushed stone aggregate using concrete mixer in all works upto floor five level excluding cost of reinforcement and form work. 3.2.1) 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	Bottom Slab-	1	5.40	2.40	0.15	1.94			
	Top Slab-	1	5.40	2.40	0.15	1.94			
	Deduction-	-2	0.60	0.60	0.15	-0.11			
	(BUILDING SOR ITEM NO.- 3.2.1/23)					3.78	CUM	4163.00	15736.14
6	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
	Bottom Slab-	1	14.40	-	0.15	2.16			
	(BUILDING SOR ITEM NO.- 2.1.1/16)					2.16	SQ.M	139.00	300.00
7	2.1.7) Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)								
	Top Slab-	1	5.40	2.40	-	12.96			
	side	1	14.40	-	0.15	2.16			
	Deduction-	-2	0.60	0.60	-	-0.72			
	(BUILDING SOR ITEM NO.-2.1.7/16)					14.40	SQM	235.00	3384.00
8	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting bending binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415								
		Qty.as per item no. 5				3.78			
	(BUILDING SOR ITEM NO.-3.12.1/24)		80 kg/cum			302.40	KG	54.50	16480.80
9	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:12894-2002 of class designation 40 in foundation and plinth in:								

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT BARBASPUR WARD NO - 9 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" CURING SHED "

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S. NO	SOR	PARTICULARS	NO.		L	B	H/D	QTY	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
7	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work									
	3.1.3	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).	14	1	1.50	1.50	0.10	3.15			
		Footing	1	1	25.00	12.20	0.15	45.75			
		In Flooring						48.90	CUM	2970.00	145233.00
8	3.2.1	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.									
		1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	14				0.20	4.73			
		Footing 0.3/6*((1.2*1.2)+(0.3*0.2)+(4*(1.2+0.3)/2*(1.2+0.2)/2))	14		1.30	1.30	0.22	3.04			
								7.77			
		sub total									
		Column upto G L	14		0.30	0.30	1.10	1.39	4.43		
		C1(300X300)						1.39			
		sub total									
		Column above G L	14		0.30	0.30	0.35	0.44			
		C1(300X300)						0.44			
		Plinth Beam	10		3.70	0.30	0.40	4.44			
		L Wall	2		4.30	0.30	0.40	1.03			
			2		11.60	0.30	0.40	2.78			
		X Wall						8.26			
		Subtotal						17.85	CUM	4163.00	74322.04
		TOTAL									
9	3.12	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: 3.1 2.1 Thermo-Mechanically treated bars FE 41 5									
					7.77	1.20	78.50	731.93			
		Footing			1.83	1.20	78.50	172.39			
		Column			8.26	1.20	78.50	778.09			
		Plinth Beam						1682.41	KG	54.50	91691.45
10	2.10	2.1 Providing and fixing form work including centring,shuttering, strutting, staging, propping bracing etc.complete and including its removal									
		2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.									
		Footings	2	14	1.30		0.20	7.28			
		F1(1500X1500)	2	14	1.30		0.20	7.28			
		Column upto G L	2	14	0.30		1.10	9.24			

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S. NO	SOR	PARTICULARS	NO.		L	B	H/D	QTY	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
21	18.76.2	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete. 18.76.2 110 mm dia pipe. Rain water Pipe									8544.00
				8	4.00			32.00	mtr.	267.00	
		TOTAL									
										Total Rs.	1411677.66
										Add 10% Electrical and Plumbing Work Rs.	112934.21
										Cost of 1 Curing Shed Rs.	1524611.87
										Cost for 3 Curing Shed Rs.	4573835.61

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT BARBASPUR WARD NO - 9 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

PROPOSED SHED FOR STORAGE (15.00X10.00 M.)

S.No.	PARTICULAR	NO.		L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. 1.1.1) In all types of soil									
			10	1.80	1.80	1.50	48.60			
	(BUILDING SOR ITEM NO.-1.1.1/9)						48.60	CUM	185.00	8991.00
2	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.									
	Sand Filling F1-		10	1.80	1.80	0.10	3.24			
	Floor Area		1	15.00	10.00	0.60	90.00			
	(BUILDING SOR. ITEM NO.-1.18/11)						93.24	CUM	371.00	34592.00
3	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). M-10									
			10	1.80	1.80	0.10	3.24			
	Floor Area		1	15.00	10.00	0.60	90.00			
	(BUILDING SOR. ITEM NO.- 3.1.3/23)						93.24	CUM	2970.00	276922.80
4	Cement concrete flooring with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm) finished with a floating coat of neat cement. 40 mm thick									
	Floor area		1	15.00	10.00		150.00	sqm	222.00	33300.00
	(BUILDING SOR ITEM NO.- 12.3)									
5	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). Grade of Concrete M-20									
	Footing-									
			10	1.50	1.50	0.30	6.75			
	Column upto Ground level-									
			10	0.45	0.30	1.00	1.35			
	Column Above Ground level-									
			10	0.45	0.30	4.00	5.40			
	(BUILDING SOR ITEM NO.- 3.2/23)						13.50	CUM	4163.00	56201.00

6	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M.									
	(BUILDING SOR ITEM NO.- 1.17)						29.16	CUM	65.00	1895.40
7	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415									
			Quantity as per item 3.3				13.50			
	(BUILDING SOR. ITEM NO.-3.12.1/24)		<u>80kg/cum</u>				1080.00	KG	54.50	58860.00
8	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.									
	Footing-									
			10	6.00	-	0.30	18.00			
	Column upto Ground level-									
			10	1.50	-	1.00	15.00			
	Column Above Ground level-									
			10	1.50		4.00	60.00			
	(BUILDING SOR ITEM NO.- 2.1.1/16)						93.00	SQ.M	139.00	12927.00
9	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:									
	Cement Mortar 1:6 (1 cement : 6 coarse sand)									
	Long wall	2	4	3.37	0.20	4.00	21.57			
	Short wall	1	2	9.10	0.20	4.00	14.56			
	For Traingular Area (1/2xbxh)(1/2x5x1.2 =3.00 sqm)	2	2	3.00	sqm	0.20	2.40			
	Deduction									
	W	1	4	1.20	0.20	1.20	-1.15			
	Rolling Shutter	1	1	3.77	0.20	3.50	-2.64			
	(BUILDING SOR ITEM NO.- 7.5.4)						34.74	Cum	3263.00	113346.83
10	11.2 Providing and making 12mm thick cement plaster of mix:									
	11.2.4 In Cement Mortar 1:6 (1 cement : 6 fine sand)									
	Long wall	2	4	3.37		4.00	107.84			
	Short wall	1	2	9.10		4.00	72.80			
	For Traingular Area (1/2xbxh)(1/2x5x1.2 =3.00 sqm)	2	2	3.00			12.00			
	Deduction									
	W	1	4	1.20		1.20	-5.76			
	Rolling Shutter	1	1	3.77		3.50	-13.20			
	(BUILDING SOR ITEM NO.- 11.2.4)						173.69	Sqm	91.50	15892.18

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT BARBASPUR WARD NO - 9 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

"C.C. ROAD "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Excavation for roadway in soil using including loading in truck for carrying of cut earth to embankment site with all lifts and lead upto 1000 meters as per relevant clauses of section 300. Internal Road Windrow Side Road (Road SOR. ITEM NO.-3.2/11)	1 11 1	320.00 25.00 216.00	7.00 5.00 5.00	0.40 0.40 0.40	896.00 550.00 432.00			
						1878.00	CUM	103.00	193434.00
2	Granular Sub-base as per Table :- 400-1 Construction of granular sub base by providing close graded material carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface watering rolling and compacting with vibratory power roller at OMC to achieve the desired density complete as per clause 401 Plant mix Method Grading-III Internal Road Windrow Side Road (PWD ROAD ITEM NO.-4.1(A)ii/17)	1 11 1	320.00 25.00 216.00	7.00 5.00 5.00	0.10 0.10 0.10	224.00 137.50 108.00			
						469.50	CUM	1586.00	744627.00
3	Dry Lean Cement Concrete Sub- base (Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ CUM, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing.) Internal Road Windrow Side Road (PWD ROAD SOR NO.-6.1/32)	1 11 1	320.00 25.00 216.00	7.00 5.00 5.00	0.10 0.10 0.10	224.00 137.50 108.00			
						469.50	CUM	3449.00	1619305.50
4	Providing and laying cement concrete for plain concrete/ reinforced concrete i/c form work, shuttering complete in as per drawings and specifications. (iii) P.C.C. M-30 Internal Road Windrow Side Road (PWD ROAD SOR NO.- 6.4/33)	1 11 1	320.00 25.00 216.00	7.00 5.00 5.00	0.20 0.20 0.20	448.00 275.00 216.00			
						939.00	CUM	4748.00	4458372.00
								Total Rs.	7015738.50

DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT BARBASPUR WARD NO - 9 "
NAGAR PALIKA NIGAM, KORBA (C.G.)

" PAVING AREA "

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT BARBASPUR WARD NO - 9 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

"BOUNDARY WALL WITH CHAIN LINKED FENCING - 433.50 M"

S.No.	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	(SOR ITEM NO.-1.1.1/9)								
	1.1.1) In all types of soil								
	F1	125	1.20	1.20	1.50	270.00			
						270.00	CUM	185.00	49950.00
2	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	F1	125	1.20	1.20	0.10	18.00			
	(BUILDING SOR. ITEM NO.-1.18/11)					18.00	CUM	371.00	6678.00
2	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work.								
	(SOR. ITEM NO.- 3.1.3/23)								
	3.1.3) 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
		125	1.20	1.20	0.10	18.00			
						18.00	CUM	2970.00	53460.00
3	Providing and laying nominal mix reinforced cement concrete with crushed graded stone aggregate 20mm nominal size using batching plant, transit mixer and concrete pump, in all works upto plinth level excluding cost of form work.								
	(SOR. ITEM NO.- 3.2.1/23)								
	3.4.2) 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	Column footing	125	0.90	0.90	0.20	20.25			
	Ground Beam	1	433.50	0.20	0.30	26.01			
	Column upto Ground level -								
	C1-	125	0.20	0.20	0.60	3.00			
	Column above Ground level -								
	C1-	125	0.20	0.20	0.90	4.50			
						53.76	CUM	4163.00	223803.00
7	Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:								

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT BARBASPUR WARD NO - 9 "
NAGAR PALIKA NIGAM, KORBA (C.G.)**

" DRAIN-450X600 MM "

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Excavation in ordinary rock including loading in a truck and carrying of excavated material to embankment site with in all lifts and leads upto 1000 meters as per relevant clauses of section 300.								
	Drain	1	433.50	0.89	1.00	385.82			
	(BUILDING SOR. ITEM NO.-3.3/11)					385.82	CUM	192.00	74076.48
2	Filling from available excavated stuff (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20 cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 m. and lift upto 1.5 M.								
	For Drain sides	2	433.50	0.15	0.80	104.04			
	(BUILDING SOR. ITEM NO.-1.17/11)					104.04	CUM	65.00	6762.60
3	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidation each deposited layer by ramming and watering including dressing etc.complete.								
	Drain	1	433.50	0.89	0.10	38.58			
	(BUILDING SOR. ITEM NO.-1.18/11)					38.58	CUM	371.00	14313.74
4	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 3.1.3) 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
	Drain -	1	433.50	0.89	0.10	38.58			
	(BUILDING SOR. ITEM NO.- 3.1.3/23)					38.58	CUM	2,970.00	114587.06
5	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.1) Foundations,footings,base of column and plinth beam any shapes and size.								
	INNER Wall-	2	433.50	-	0.60	520.20			
	OUTER Wall-	2	433.50	-	0.70	606.90			
	(BUILDING SOR ITEM NO.- 2.1.1/16)					1127.10	SQM	139.00	156666.90
6	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 3.2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	Drain Wall	2	433.50	0.12	0.70	72.83			
	Bed Drain	1	433.50	0.45	0.10	19.51			
	Slab-	1	423.53	0.69	0.10	29.22			
	(BUILDING SOR ITEM NO.- 3.2.1/23)					121.56	CUM	4,163.00	506050.26

7	Extra for precast PCC/ RCC work of any mix including form work, hoisting and fixing in Cement Mortar. 1:2 (1 Cement : 2 coarse sand) and finishing with cement plaster in Cement Mortar 1:3 (1 Cement : 3 coarse sand) but excluding reinforcement.								
	(Per 30M.) Precast Slab-	14.45	0.69	0.69	0.10	0.69			
	(BUILDING SOR. ITEM NO.-3.9/24)					0.69	CUM	469.00	322.66
8	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: 3.12.1 Thermo-Mechanically treated bars FE 415								
		Qty. as per item No.-3.2.1				121.56			
	(BUILDING SOR. ITEM NO.-3.12.1/24)	50 kg/cum				6077.95	KG	54.50	331248.37
	PRECAST DRAIN COVER (MP SOR & CPWD)								
Total Rs.								1204028.06	

[illegible]