



NAGAR PANCHAYAT AMDI, CHHATTISGARH



Ministry of Housing and Urban Affairs
Government of India



VOL - II

Swachh Bharat Mission-Urban 2.0



NAGAR PANCHAYAT REPORT UNDER SBM 2.0 FOR SWM, NAGAR PANCHAYAT AMDI, CHHATTISGARH

DETAILED ESTIMATE FOR PROPOSED WORK OF " SLRM CENTRE AT PT. NARAYAN MEGHAWAKE, WARD - 15 " NAGAR PANCHAYAT AMDI, DHAMTARI (C.G.)					
A	PT. NARAYAN MEGHAWAKE, WARD - 15				
	COST OF SLRM CENTRE				
	Part - I SOR ITEM	QTY.	UNIT.	RATE	AMOUNT (RS.)
	CIVIL WORK				
1	SLRM Revamping Work	-	-	-	614171.25
2	External C.C. Flooring	-	-	-	70560.00
3	Rain Water Harvesting	-	-	-	32001.00
4	Plumbing & Sanitary Work	-	-	-	47635.00
	Total I				764367.25
	Part - II NON-SOR ITEM	QTY.	UNIT.	RATE	AMOUNT (RS.)
5	Flat Conveyor Belt - approx. 7 m long, 700 mm wide, 800 mm high, flat roller type. (Detailed Specification as per Annexure A)	1	Nos.	155000.00	155000.00
6	HDPE Wheeled Container 100 L HDPE container, durable, wheeled design. (Detailed Specification as per Annexure B)	10	Nos.	1375.00	13750.00
7	Weigh Bridge - 10 Ton electronic pitless weighbridge with digital load cells and auto calibration. (Detailed Specification as per Annexure C)	1	Nos.	225000.00	225000.00
8	Bale Trolley 250 kg MS trolley, manual, with polymer wheels, rust-proof design. (Detailed Specification as per Annexure D)	3	Nos.	6800.00	20400.00
9	Surveillance Camera - Min. 6 No. of CCTV Cameras at each plant with 5 MP cameras, DVR, night vision, and real-time monitoring. (Detailed Specification as per Annexure E)	1	Set	17813.00	17813.00
10	Turbine Ventilator Wind-driven turbine ventilator, 1500–2500 CFM airflow, no electricity required. (Detailed Specification as per Annexure F)	6	Nos.	2500.00	15000.00
	Total				446963.00
	Total Of Part (I+II)				1211330.25

B	PT. NARAYAN MEGHAWAKE, WARD - 15				
	COST OF WINDROW COMPOST PLANT				
	Part - I SOR ITEM	QTY.	UNIT.	RATE	AMOUNT (RS.)
	CIVIL WORK				
1	Windrow Compost Plant 2 TPD	-	-	-	861522.60
2	Storage Room	-	-	-	501222.37
3	Leachate Tank	-	-	-	27355.76
4	C.C. Flooring	-	-	-	70560.00
5	Boundary Fencing	-	-	-	167741.70
6	Entrance Gate	-	-	-	59348.98
	Total I				1687751.42

	Part - III NON-SOR ITEM	QTY.	UNIT.	RATE	AMOUNT (RS.)
5	Wheel Barrow - 140 L wheelbarrow, 450 kg capacity, MS body with rubber tyre. (Detailed Specification as per Annexure G)	2	Nos.	5500.00	11000.00
6	Compost Sieve Machine Manual compost sieve, 200–300 kg/hr, portable MS/SS machine. (Detailed Specification as per Annexure H)	1	Nos.	47500.00	47500.00
	Total				58500.00
	Total Of Part (I+II)				1746251.42
	Total Capital Cost (I+II)				2957581.67
	Grand Total				29.58

SLRM CENTRE AT
PT. NARAYAN MEGHAWALE,
WARD NO - 15

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT PT. NARAYAN MEGHAWAKE, WARD - 15 "
NAGAR PANCHAYAT AMDI, DHAMTARI (C.G.)**

A	PT. NARAYAN MEGHAWAKE, WARD - 15				
	COST OF SLRM CENTRE				
	Part - I SOR ITEM	QTY.	UNIT.	RATE	AMOUNT (RS.)
	CIVIL WORK				
1	SLRM Revamping Work	-	-	-	614171.25
2	External C.C. Flooring	-	-	-	70560.00
3	Rain Water Harvesting	-	-	-	32001.00
4	Plumbing & Sanitary Work	-	-	-	47635.00
	Total I				764367.25
	Part - II NON-SOR ITEM	QTY.	UNIT.	RATE	AMOUNT (RS.)
5	Flat Conveyor Belt - approx. 7 m long, 700 mm wide, 800 mm high, flat roller type. (Detailed Specification as per Annexure A)	1	Nos.	155000.00	155000.00
6	HDPE Wheeled Container 100 L HDPE container, durable, wheeled design. (Detailed Specification as per Annexure B)	10	Nos.	1375.00	13750.00
7	Weigh Bridge - 10 Ton electronic pitless weighbridge with digital load cells and auto calibration. (Detailed Specification as per Annexure C)	1	Nos.	225000.00	225000.00
8	Bale Trolley 250 kg MS trolley, manual, with polymer wheels, rust-proof design. (Detailed Specification as per Annexure D)	3	Nos.	6800.00	20400.00
9	Surveillance Camera - Min. 6 No. of CCTV Cameras at each plant with 5 MP cameras, DVR, night vision, and real-time monitoring. (Detailed Specification as per Annexure E)	1	Set	17813.00	17813.00
10	Turbine Ventilator Wind-driven turbine ventilator, 1500–2500 CFM airflow, no electricity required. (Detailed Specification as per Annexure F)	6	Nos.	2500.00	15000.00
	Total				446963.00
	Total Of Part (I+II)				1211330.25

<p align="center">DETAILED ESTIMATE FOR PROPOSED WORK OF " SLRM CENTRE AT PT. NARAYAN MEGHAWAKE, WARD - 15 " NAGAR PANCHAYAT AMDI, DHAMTARI (C.G.)</p>											
(Building SOR Items)		W.E.F. - 01/01/2015									
S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RATE	AMOUNT	
SLRM ROOFING											
1	(BUILDING SOR ITEM NO.- 3.3.3/23)	16.17 Dismantling G.I. sheet roofing including ridges hips, valleys and gutters etc. and stacking the material with 50 m lead.									
			2	27.0	6.5	-	351				
		(BUILDING SOR ITEM NO.- 3.3.3/23)					351	SQM	33.50	11758.50	
2	(BUILDING SOR ITEM NO.- 10.12/91)	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 Sheet	2	27.0	6.5	-	351				
							351	SQM	693.00	243243.00	
3	(BUILDING SOR ITEM NO.- 10.16/91)	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)	2	27.00			54.00	MTR	629.00	33966.00	
		10.16.1 Ridges plain (500-600mm)	1	27			27	MTR	552.00	14904.00	
SLRM FLOORING WORK											
4	(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	23.40	9.60	-	224.64				
			2.00	3.00	3.00	-	18.00				
			1.00	3.20	3.00	-	9.60				
		Add 10% Extra					22.46				
							274.70	SQ.M	897.00	246409.49	
SLRM PAINTING WORK											
5	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.									
		Office & Store Area									
			3	9.6		3	86.40				
			6	3	-	3	54.00				
		Door Deduct	-3	0.9	-	2.1	-5.67				
		Window Deduct	-3	1.2	-	1.2	-4.32				
		SLRM Wall	2	23.6	-	1.2	56.64				
			1	9.6	-	1.2	11.52				

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<p align="center">DETAILED ESTIMATE FOR PROPOSED WORK OF " SLRM CENTRE AT PT. NARAYAN MEGHAWAKE, WARD - 15 " NAGAR PANCHAYAT AMDI, DHAMTARI (C.G.)</p>									
" EXTERNAL C.C. FLOORING "									
S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	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.								
		1.00	160.00		-	160.00			
	(BUILDING SOR ITEM NO.12.4/111)				Total	160.00	SQ.M	441.00	70560.00
Total Rs.									70560.00

DETAILED ESTIMATE FOR PROPOSED WORK OF " SLRM CENTRE AT PT. NARAYAN MEGHAWAKE, WARD - 15 " NAGAR PANCHAYAT AMDI, DHAMTARI (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) 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)								
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)								
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 mm gap for thermal expansion etc complete.								
	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

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" SLRM CENTRE AT PT. NARAYAN MEGHAWAKE, WARD - 15 "
NAGAR PANCHAYAT AMDI, DHAMTARI (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.) 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.) 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 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 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 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.								
	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.								
	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								
	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								
	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								
	18.25.2 40 mm dia								
	(BUILDING SOR ITEM NO.-18.25/164)	4	-	-	-	4.00	EACH	88.50	354.00
13	Providing and fixing 600x450 mm beveled edge 4mm mirror of superior								
	(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								
	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								
	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								
	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								
	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								
	20.28.1 Inside dimensions 455x610 mm and 45 cm deep for single pipe	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								
	(BUILDING SOR ITEM NO.- 19.42/184)	1.00	-	-	-	1000.00	LTR	7.30	7,300.00
								Total Rs.	47,635.00

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" SLRM CENTRE AT PT. NARAYAN MEGHAWAKE, WARD - 15 "
NAGAR PANCHAYAT AMDI, DHAMTARI (C.G.)**

ANNEXURE A - DETAILED SPECIFICATION OF FLAT CONVEYOR BELT

PARAMETER	SPECIFICATIONS/DESCRIPTION
Length of Conveyor	Approx. 7 m from End to End of conveyor
Width of Conveyor Belt	700 mm
Height of Conveyor	800 mm
Type	Flat roller type belt conveyor
Motor	3.75 kW (5 HP), 1440 RPM, TEFC (Totally Enclosed Fan Cooled) copper wire conforming to IS : 13730, 3- phase, 4- pole
Inclination	0°
Size of belt	1000 mm wide (working width 800 mm)
Belt Specification	Plain rubber belt, 3 ply, 3 mm top, 1.5 mm bottom rubber covering, total plain belt thickness 08 mm, nylon cord conforming to M 24 grade
Drive pulley for conveyor	320 mm OD with crowning surface with 65 mm shaft with rubber coating and hearing bone design
Rear pulley for conveyor	320 mm OD with crowning surface with 65 mm shaft with rubber coating and hearing bone design
Side Guard	2 mm thick MS sheet with supporting structure
Side guard skirting	2 mm thick rubber belt
Conveyor body	Manu. From IS 2062, 4 mm thickness plate framing structure
Rear pulley cover	2 mm thick MS sheet
Bearing for roller	6205 2RS type
Shaft	Precise Machined from EN-24 grade material
Guide rollers	60 mm pipe with bright bar spindle and sealed with single roll anti friction deep grooved ball bearing
Carrying & return roller	76.1 mm ID ERW pipe with CI housing, bright bar spindle and sealed with single roll anti friction deep grooved ball bearing
Bearing	Angular contact type with fitted in split housing
Idler Spacing confirming to IS 9295-1983	Carrying Idler – 600 to 800 mm,
	Return Idler - 1200 to 1500 mm
Belt join	Endless type belt
Scrappers	Driver side: Flat Scraper
	Rear Pulley: V plough type
Take up	Screw type take up design at front side of Conveyor
Gear Box	Worm type, 20:1 ratio, Hollow input & output
Belt speed	1.2 m/sec
Pulley RPM	72 RPM
Conveyor direction	Uni- directional (One side)
VFD specification	VFD suitable for speed control of conveyor belt motor ranging from 50% to 100% of rated speed
Speed Control	0.6 to 1.2 m/sec (using gear & VFD)

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT PT. NARAYAN MEGHAWAKE, WARD - 15 "
NAGAR PANCHAYAT AMDI, DHAMTARI (C.G.)**

ANNEXURE B - DETAILED SPECIFICATION OF HDPE CONTAINER

PARAMETER	SPECIFICATIONS/DESCRIPTION
Capacity	100 litre
Material	High Density Polyethylene (HDPE)
Type	Injection molded
High resistance to	Heat & Chemicals
Pay load	Municipal Solid Waste
Confirming Standards	Appropriate Indian Standards
Wheels	Yes, Durable rubberized/PU/equivalent
Hand Grips	Yes

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT PT. NARAYAN MEGHAWAKE, WARD - 15 "
NAGAR PANCHAYAT AMDI, DHAMTARI (C.G.)**

ANNEXURE C - DETAILED SPECIFICATION OF WEIGH BRIDGE

PARAMETER	SPECIFICATIONS/DESCRIPTION
Bridge Type	Electronic Pitless Type
Platform material & Size	1. High Tensile Structural Steel as per IS:2062:2011
	2. Should be anti-skid type.
	3. Thickness of platform plate not less than 10 mm
	4. Size 6.6 metre and 2.5 metre (length X width)
Weighing Capacity	10 Tonne
Load cell	4 Load cell
UPS	30 minute backup
Printer	Laser Printer
Display modes	a) Indicate weight
	b) Indicate calibration-Auto zero tracking
	c) Calibration to be checked automatically every 5 minutes
Readability	2 Kg
Type/capacity of load cell	Digital Double Ended Shear Beam load cells, pre-calibrated load cells – 5000/kg (04 No.) with mounting kits
Accessories of Junction Box (01 Set)	Cables: Home run cable 20 metre & inter connections cable between load cell and junction box & weighing electronics.
Electric supply	3 Phase (440 V 50Hz)
Surface finish on metal parts	Powder coating/ paint
Surface finish on metal parts	Powder coating/ paint

Note: Weighbridge must be capable of sharing real time data of weighment and integration with dashboard at ULB and State Level. Internet connection may be provided by the ULB.

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT PT. NARAYAN MEGHAWAKE, WARD - 15 "
NAGAR PANCHAYAT AMDI, DHAMTARI (C.G.)**

ANNEXURE D - DETAILED SPECIFICATION OF BALE TROLLY

PARAMETER	SPECIFICATIONS/DESCRIPTION
Carrying Capacity	250 kg (Minimum)
Size	40" L X 20" W x 10" Height of Toe (Minimum)
Trolley Material	Mild Steel
Wheels	2 Nos to 4 Nos
Wheel Material	High quality polymer wheels (8-10 Inch dia)
Surface Finish	Powder Coated or Painted (Rust-proof)
Operating Type	Manual (Hand-operated)2
Shape	Rectangular or L-type
Load Platform Height	Approx. 10" to 12" from ground level

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT PT. NARAYAN MEGHAWAKE, WARD - 15 "
NAGAR PANCHAYAT AMDI, DHAMTARI (C.G.)**

ANNEXURE E - DETAILED SPECIFICATION OF SURVEILLANCE CAMERA

PARAMETER	SPECIFICATIONS/DESCRIPTION
No. of CCTV Camera at Plant	Min. 6 No. of CCTV Cameras at each plant
8 Channel DVR	8 channels and 1 HDD DVR, Up to 12 IP cameras can be connected, Efficient compression technology
5 MP Built in Mic Bullet Camera	5 MP, 2560 × 1944 resolution, Audio over coaxial cable, built-in mic, Smart IR, up to 25 m IR distance, 4 in 1 video output (switchable TVI/AHD/CVI/CVBS)
5 MP Built in Mic Dome Camera	5 MP, 2560 × 1944 resolution, Smart IR, upto 20m, IR distance, Audio over coaxial cable, built-in mic, 4 in 1 video output (switchable TVI/AHD/CVI/CVBS)
Hard Disk 1 TB	Full Surveillance Hard Disk With 2 Year Warranty
3+1 Solid Copper Cable	Full Solid Copper, 90 Meter
Power Supply Ch-8	Burning Warranty claim
PVC Box 4x4	Solid PVC
BNC Connector	Per Camera 2 Pcs Required
DC Connector	Per Camera 1 Pcs Required

Note: CCTV surveillance system must be capable of sharing real time AV feeds, data and integration with dashboard at ULB and State Level. Internet connection may be provided by the ULB.

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT PT. NARAYAN MEGHAWAKE, WARD - 15 "
NAGAR PANCHAYAT AMDI, DHAMTARI (C.G.)**

ANNEXURE F - DETAILED SPECIFICATION OF TURBINE VENTILATOR

PARAMETER	SPECIFICATIONS/DESCRIPTION
Turbine Diameter	24" to 36" (610 mm to 915 mm)
Number of Vanes	30 to 48
Bearings	Double Ball Bearing or bearing-less spider frame
Base Plate Material	FRP (Fiber Reinforced Plastic), Polycarbonate, or Galvanized Iron (GI)
Airflow Capacity	1500–2500 CFM per unit (depends on wind speed and size)
Wind Resistance	Up to 180 km/h
Operating Principle	Wind-driven + thermal convection (no electricity required)
Roof Compatibility	RCC, metal, asbestos, GI sheet roofs
Mounting Method	Bolted or riveted with waterproof sealant

WINDROW COMPOST PLANT AT
PT. NARAYAN MEGHAWALE,
WARD NO - 15

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" SLRM CENTRE AT PT. NARAYAN MEGHAWAKE, WARD - 15 "
NAGAR PANCHAYAT AMDI, DHAMTARI (C.G.)**

B	PT. NARAYAN MEGHAWAKE, WARD - 15				
	COST OF WINDROW COMPOST PLANT				
	Part - I SOR ITEM	QTY.	UNIT.	RATE	AMOUNT (RS.)
	CIVIL WORK				
1	Windrow Compost Plant 2 TPD	-	-	-	861522.60
2	Storage Room	-	-	-	501222.37
3	Leachate Tank	-	-	-	27355.76
4	C.C. Flooring	-	-	-	70560.00
5	Boundary Fencing	-	-	-	167741.70
6	Entrance Gate	-	-	-	59348.98
	Total I				1687751.42
	Part - III NON-SOR ITEM	QTY.	UNIT.	RATE	AMOUNT (RS.)
5	Wheel Barrow - 140 L wheelbarrow, 450 kg capacity, MS body with rubber tyre. (Detailed Specification as per Annexure G)	2	Nos.	5500.00	11000.00
6	Compost Sieve Machine Manual compost sieve, 200–300 kg/hr, portable MS/SS machine. (Detailed Specification as per Annexure H)	1	Nos.	47500.00	47500.00
	Total				58500.00
	Total Of Part (I+II)				1746251.42

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" WINDROW COMPOST PLANT AT PT. NARAYAN MEGHAWALE, WARD -15 "
NAGAR PANCHAYAT AMDI, DHAMTARI (C.G.)**

DETAILED ESTIMATE FOR CONSTRUCTION OF WINDROW SHED	
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Based on C. G. P.W.D BUILDING S.O.R. IN FORCE FROM 1 JAN 2015

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SN	SOR No.	DESCRIPTION OF ITEM	NO		MEASUREMENT			QTY	RATE	UNIT	AMOUNT
					L	B	H/D				
I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
		F1(1500X1500)		12	1.30	1.30	0.30	6.08			
		Subtotal a						6.08			
		Column upto GL									
		C1(300X300)		12	0.30	0.30	1.20	1.30			
		Subtotal b						1.30			
		Column above GL							1.94		
		C1(300X300)		12	0.30	0.30	0.60	0.65			
		Subtotal c						0.65			
		Beam below GL									
		X-X Wall		4	4.00	0.20	0.30	0.96			
				6	3.90	0.20	0.30	1.40			
		Y-Y Wall		2	6.20	0.20	0.30	0.74			
		Subtotal d						3.11			
		total						11.14	4163.00	cum	46359.17
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 (1.30 + 1.30 = 2.60)	2	12	2.60		0.30	18.72			
		Column upto G L									
		C1 (0.30 + 0.30 = 0.60)	2	12	0.60		1.20	17.28			
		Beam below GL									
		X-X Wall	2	4	4.00		0.30	9.60			
			2	6	3.90		0.30	14.04			
		Y-Y Wall	2	2	6.20		0.30	7.44			
		total						67.08	139.00	sqm	9324.12
	2.1.5	Columns, Pillars, Piers and likes- rectangular or square in shape									
		Column above G L									
		C1 (0.30 + 0.30 = 0.60)	2	12	0.60		0.60	8.64			
								8.64	297.00	sqm	2566.08
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 (From S.No. 04)			6.08		80.00	486.72			
		Column (From S.No. 04)			1.94		80.00	155.52			
		Beam below GL (From S.No. 04)			3.11		80.00	248.64			
		total						890.88	54.50	Kg	48552.96
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.									
		Excavated Qty. F1						45.90			
		Deductions									
		F1(1500X1500)		10	1.50	1.50	0.10	-2.25			

SN	SOR No.	DESCRIPTION OF ITEM	NO		MEASUREMENT			QTY	RATE	UNIT	AMOUNT
					L	B	H/D				
I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
		PCC		10	1.50	1.50	0.10	-2.25			
		RCC		10	1.30	1.30	0.30	-5.07			
		C1(300X300)		10	0.30	0.30	1.20	-1.08			
		total						35.25	65.00	cum	2291.25
8	12.3	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.									
	12.3.2	50 mm thick		1	21.10	6.40		135.04			
		total						135.04	254.00	sqm	34300.16
9	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:									
	7.5.3	Cement Mortar 1:4 (1 cement : 4 coarse sand)									
		Wall									
		X-X Wall		4	4.00	0.20	0.60	1.92			
				6	3.90	0.20	0.60	2.81			
		total						4.73	3452.00	cum	16321.06
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)									
		Internal wall (X-X Wall)		4	4.00		0.60	9.60			
				6	3.90		0.60	14.10			
		C1(300X300)	2	10	0.10		0.60	1.20			
		total						24.90	91.50	sqm	2278.35
11	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 (X-X Wall)		2	21.50		0.60	25.80			
		total						25.80	113.00	sqm	2915.40
12	As per Ammendment no 08, 05/05/2025 item no.14.62	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.									
		Area of Internal Plaster (From S.No. 10)			24.90			24.90			
		total						24.90	64.00	sqm	1593.60

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SN	SOR No.	DESCRIPTION OF ITEM	NO		MEASUREMENT			QTY	RATE	UNIT	AMOUNT
					L	B	H/D				
I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
16	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.									
		Roofing		2	22.50	4.56		205.20			
		total						205.20	693.00	sqm	142203.60
17	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	10.16.1 Ridges plain (500-600mm)		1	22.50			22.50			
		Ridge						22.50	552.00	mtr	12420.00
18	10.16.6	10.16.6 Gutter. (600 mm over all girth).									
		Gutter		2	22.50			45.00			
		total						45.00	629.00	mtr	28305.00
19	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									
		On Steel Structure									
		Pole @21.30 kg/meter 150 mm Dia	6	2	4.00	@	0.50	24.00			
		Purlins 40mm dia @ 3.56Kg/meter	14	1	21.50	@	0.13	39.13			
		Rafter 50mm dia @5.03Kg/meter	6	2	4.56	@	0.16	8.76			
		bottom chord 50mm dia @6.19Kg/meter	6	1	8.80	@	0.16	8.45			
		Post NB 50	6	2	1.20	@	0.16	2.30			
		Post NB 40	6	2	0.87	@	0.13	1.36			
		Post NB 40	6	2	0.53	@	0.13	0.83			

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" WINDROW COMPOST PLANT AT PT. NARAYAN MEGHAWALE, WARD -15 "
NAGAR PANCHAYAT AMDI, DHAMTARI (C.G.)**

STORAGE AREA FOR BALED & RECYCLABLE MATERIAL (11.50X5.00 M.)

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S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE	AMOUNT
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).								
		Below Footing								
		F1	8	1.20	1.50	0.10	1.44			
		Ground Beam								
		X-X Wall	4	3.56	0.30	0.10	0.43			
			2	3.58	0.30	0.10	0.21			
		Y-Y Wall	2	4.20	0.30	0.10	0.25			
		For Stair	2	1.60	1.00	0.10	0.32			
		Floor Area	1	11.10	4.60	0.10	5.11			
						Total	7.76	Cum	2970.00	23035.00
5	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	1.00	1.30	0.30	3.12			
		Column (Upto Ground Level)								
		C1	8	0.20	0.40	1.00	0.64			
		Column(Ground Lvl to Plinth Lvl)								
		C1	8	0.20	0.40	0.30	0.19	3.95		
		Column (Abv. Plinth Top to GF Slab Top)								
		C1	8	0.20	0.40	3.10	1.98			
		Ground Beams								
		Outer at Ground Lvl								
		X-X Wall	4	3.56	0.20	0.30	0.85			
			2	3.58	0.20	0.30	0.43			
		Y-Y Wall	2	4.20	0.20	0.30	0.50			
		Lintel Beam								
		X-X Wall	4	3.56	0.20	0.15	0.43			
			2	3.58	0.20	0.15	0.21			
		Y-Y Wall	2	4.20	0.20	0.15	0.25			
		Chajja								
		For Door & Window								
		X-X Wall	5	1.40	0.60	0.075	0.32			
		Slab Beam								
		X-X Wall	4	3.56	0.20	0.40	1.14			
			2	3.58	0.20	0.40	0.57			
		Y-Y Wall	4	4.20	0.20	0.40	1.34			
		Slab								

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S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE	AMOUNT
	2.1.5	Columns, Pillars, Piers and likes- rectangular or square in shape								
		Column (Abv. Plinth Top to GF Slab Top)								
		C1	8	1.20	-	3.10	29.76			
						Total	29.76	Sqm	297.00	8839.00
	2.1.13	Weather shade, chhajja, Cornices and mouldings								
		For Door & Window								
		X-X Wall	5	1.40	0.60	-	4.20			
		Side	5	2.60	-	0.075	0.98			
						Total	5.18	Sqm	294.00	1523.00
	2.1.8	Beams, lintels, cantilevers & walls								
		Lintel Beam								
		X-X Wall	8	3.56	-	0.15	4.27			
			4	3.58	-	0.15	2.15			
		Y-Y Wall	4	4.20	-	0.15	2.52			
		Slab Beam								
		X-X Wall	8	3.56	-	0.40	11.39			
			4	3.58	-	0.40	5.73			
		Y-Y Wall	8	4.20	-	0.40	13.44			
						Total	39.50	Sqm	202.00	7979.00
	2.1.7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)								
		Slab								
		All Area	1	11.50	5.00	-	57.50			
						Total	57.50	Sqm	235.00	13513.00
	2.1.4	Edge of slab, breaks in floor and walls upto 200mm								
		Slab Edges at Slab Lvl	1	33.00	-	-	33.00			
						Total	33.00	Rm	34.00	1122.00
9	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)								
		For Stair								
			2	1.60	0.50	0.10	0.16			
			2	1.60	0.25	0.10	0.08			
						Total	0.24	Cum	3263.00	783.00
10	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:								

S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE	AMOUNT
	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								
		X-X Wall	4	3.56	0.20	3.00	8.54			
			2	3.58	0.20	3.00	4.30			
		Y-Y Wall	2	4.20	0.20	3.00	5.04			
		Deduction								
		D	2	1.20	0.20	2.10	-1.01			
		W	3	1.20	0.20	1.20	-0.86			
						Total	16.01	Cum	3384.00	54178.00
11	11.1	Providing and making 6mm thick cement plaster of mix:								
	11.1.2	In Cement mortar 1:4 (1 cement : 4 fine sand)								
		Slab Area	1	11.10	4.60		51.06			
		Add Extra 10 %					5.11			
						Total	56.17	Sqm	87.00	4886.00
12	11.2	Providing and making 12mm thick cement plaster of mix:								
	11.2.4	In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		Inner Area								
		X-X Wall	2	11.10		3.00	66.60			
		Y-Y Wall	2	4.60		3.00	27.60			
		For Column	8	0.20		3.00	4.80			
		Deduction								
		D	2	1.20		2.10	-5.04			
		W	3	1.20		1.20	-4.32			
						Total	89.64	Sqm	91.50	8202.00
13	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								
		X-X Wall	2	11.50	-	3.10	71.30			
		Y-Y Wall	2	5.00	-	3.10	31.00			
		Deduction								
		D	2	1.20		2.10	-5.04			
		W	3	1.20		1.20	-4.32			
						Total	92.94	Sqm	107.00	9945.00
14	12.3	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								

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S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE	AMOUNT
19	9.18	Providing and fixing in position doors, windows and ventilators frames made of cold rolled pressed steel sheet framed profiles made from commercial M.S. Sheets conforming to I.S. 513 of 1973 and as per general specifications of I.S 4351 including hinges jamb, lock jamb, steel butt hinges, base tie, joints mitred and welded with 10cm long legs of size 15x3mm M.S. flat, embedded in cement concrete blocks 15x10x10cm size of grade M-10 or rawl plugs and screws or with fixing clips or with bolts and nuts including neatly compacted filling M-10 cement concrete in profile section applying a priming coat of red oxide zinc chromate primer.								
	9.18.4	Single rebate/ mullion 100mmx50mm size, 1.6mm thick sheet.								
		Door	2	6.60			13.20			
							13.20	Metre	474.00	6256.80
20	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.								
		Window	3	1.20	-	1.20	4.32			
							4.32	Sqm		
		For Qty of steel= Area x 30.00 kg/Sqm	1	4.32	x	30.00	129.60			
						Total	129.60	kg	67.50	8748.00
21	9.13	Providing and fixing steel door/ window with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of angle/ flat iron of suitable size, 3.00 mm M.S. gusset plates at junctions and corners, all necessary fittings complete including applying a priming coat of red oxide zinc chromate primer.								
		Door	2	1.20		2.10	5.04			
		Window	3	1.20		1.20	4.32			
							9.36			

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" WINDROW COMPOST PLANT AT PT. NARAYAN MEGHAWALE, WARD -15 "
NAGAR PANCHAYAT AMDI, DHAMTARI (C.G.)**

" PROPOSED LEACHATE TANK 1.20X1.20X1.20 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 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	1.90	1.90	1.65	5.96	CUM	185.00	1101.95
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-	2	1.90	0.15	1.50	0.86			
	Deduction Tank Area-	2	1.60	0.15	1.50	0.72			
	(BUILDING SOR ITEM NO.-1.17/11)					1.58	CUM	65.00	102.38
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	1.90	1.90	0.15	0.54	CUM	371.00	200.90
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	1.90	1.90	0.15	0.54	CUM	2970.00	1608.26
5	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.								
	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	PCC	1	1.60	1.60	0.15	0.38			
	(BUILDING SOR ITEM NO.- 3..1.5/23)					0.38	CUM	4073.00	1564.03
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	6.40	-	0.15	0.96			
	(BUILDING SOR ITEM NO.- 2.1.1/16)					0.96	SQ.M	139.00	133.00
7	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)								

[illegible]

<p align="center">DETAILED ESTIMATE FOR PROPOSED WORK OF " WINDROW COMPOST PLANT AT PT. NARAYAN MEGHAWALE, WARD -15 " NAGAR PANCHAYAT AMDI, DHAMTARI (C.G.)</p>	
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" EXTERNAL C.C. FLOORING "

[illegible]

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" WINDROW COMPOST PLANT AT PT. NARAYAN MEGHAWALE, WARD -15 "
NAGAR PANCHAYAT AMDI, DHAMTARI (C.G.)**

ESTIMATE FOR CHAINLINK FENCING

SN	DESCRIPTION	No.	L	W	H/D	QTY	Rate	U	Amount
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 PWD S.O.R.-P-09/I-1.1.1 Main Wall Along Road	1	68.00	0.50	0.80	27.20			
	total					27.20	185.00	cum	5032.00
2	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 .PWD S.O.R.-P-09/I-1.17								
	Excavated Qty.					27.20			
	Deduction								
	Sand Filling					-3.40			
	Pcc Area					-4.02			
	Brick Work					-10.20			
						9.58	65.00	cum	622.48
7	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 2015item no. 1.18								
8	below pcc	1	68.00	0.50	0.10	3.40	371.00	cum	1261.40
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. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). PWD S.O.R.-P-23/I-3.1.3 Main Wall Along Road	1	68.00	0.50	0.10	3.40			
	Concrete For Angle Iron Post	28	0.20	0.20	0.55	0.62			
	total					4.02	2970.00	cum	11949.30
5	7.5 Brick work with modular flyash 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) PWD S.O.R.-P-45/I-7.5.4								
	up-to Ground Level								
	Main Wall Along Road	1	68.00	0.30	0.30	6.12			
		1	68.00	0.20	0.30	4.08			

[illegible]

SN	DESCRIPTION	No.	L	W	H/D	QTY	Rate	U	Amount
10	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) no 08, 05/05/2025 item no.14.67 As per Ammendment no 08, 05/05/2025 item no.14.67								
	As Per Item No. 8 & 9					95.20	70.00	sqm	6664.00
11	Providing and placing in position angle iron post and strut of required size including bottom to be split and bent at right angle in opposite direction for required length and drilling holes upto 10 mm dia as per requirement including priming coat with red oxide zinc chromate primer and placing the post/ strut in cement concrete block.								
	[S.O.R. Page no. 85 I- 9.45]								
	M S 40X40 x4.00 mm Th. Post @ 4.09kg/Rmt	28	2.35		4.09	272.33			
	M S Frame 20x20x2.80 mm Th. partition pipe @ 1.56 kg/ Rmt	28	7.70		1.56	218.17			
	Bottom /Side	12	28	0.05	1.56	26.52			
						517.01	69.50	Kg	35932.37
12	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. PWD S.O.R.-P-84/I-9.43 9.43.1 Aperture 50x50mm	28	2.20		1.65	102.85			
						102.85	331.00	Sqm	34043.35
13	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								

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**DETAILED ESTIMATE FOR PROPOSED WORK OF
" WINDROW COMPOST PLANT AT PT. NARAYAN MEGHAWALE, WARD -15 "
NAGAR PANCHAYAT AMDI, DHAMTARI (C.G.)**

As Per NARAYAN SINGH, WARD NO - 15

ENTRANCE GATE

SNO	SOR	PARTICULARS	NO	L	B	H/D	QTY	UNIT	RATE	AMOUNT
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 leveling of pits.								
	1.1.1	In all types of soils.								
			2	1.50	1.50	1.50	6.75			
						Total	6.75	Cum	185.00	1249.00
2	1.7	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								
		60% For Excavated qty.				Total	4.05	Cum	65.00	263.25
3	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.								
		below pcc	2	1.50	1.50	0.10	0.45	Cum	371.00	166.95
7										
8	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).								
			2	1.50	1.50	0.10	0.45			
						Total	0.45	Cum	2970.00	1337.00
5	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	1:1 ½:3 (1 cement : 1 ½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
		Footing	2	1.20	1.20	0.30	0.86			
		Column upto GL	2	0.20	0.30	1.00	0.12	0.98		
		Beam	1	3.00	0.20	0.30	0.18			
		Column	2	0.20	0.30	2.80	0.34			
						Total	1.50	Cum	4163.00	6244.50
6	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								

SNO	SOR	PARTICULARS	NO	L	B	H/D	QTY	UNIT	RATE	AMOUNT
	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	2	4.8		0.30	11.52			
		Column upto GL	2	1.00		1.00	2.00			
		Beam	2	3.00		0.30	1.80			
						Total	15.32	sqm	139.00	2129.48
	2.1.5	Columns, Pillars, Piers and likes- rectangular or square in shape								
			2	1.00	-	2.80	5.60			
						Total	5.60	Sqm	297.00	1663.20
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								
		@ 80 kg per cum of concrete	1	1.50	x	80	120.00	Kg	54.50	6540.00
8	11.2	12mm thick cement plaster of mix:								
	11.2.4	In Cement Mortar 1:6 (1 cement : 6 fine sand)								
							5.60			
						Total	5.60	Sqm	91.50	512.40
9	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)								
			-	-	-	-	5.60	Sqm	70.00	392.00
10	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								
		Gate (3.00x2.4=7.20 Sqm) 60 Kg /Sqm	1	7.20	@	60.00	432.00			
						Total	432.00	kg	88.50	38232.00

SNO	SOR	PARTICULARS	NO	L	B	H/D	QTY	UNIT	RATE	AMOUNT
11	As per Ammend ment no 08, 05/05/20 25 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								
			2	3.00	-	2.4	14.40			
							14.40	Sqm	43.00	619.20
									Total	59348.98

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" WINDROW COMPOST PLANT AT PT. NARAYAN MEGHAWALE,
WARD -15 "
NAGAR PANCHAYAT AMDI, DHAMTARI (C.G.)**

ANNEXURE G - DETAILED SPECIFICATION OF WHEEL BARROW

PARAMETER	SPECIFICATIONS/DESCRIPTION
Capacity of Wheel barrow	140 litre
Load carrying capacity	450 kg
Sheet Material	Steel sheets confirming to IS:2062
Sheet thickness	1.8 mm
Wheel material	Mild Steel with Solid or Cushioned rubber tyre
Type of bearing / bush	Cast iron bearing
Steel tube	not be drilled, light tubes confirming to IS:1239
Grey Iron Castings	Conform to IS:210
Finish of Metal parts	Two coats of black bituminous paint
Diameter of the Wheel	500 mm
Nominal width of tyre	50 mm
Hand Grips	Yes
Leg support	Yes

**DETAILED ESTIMATE FOR PROPOSED WORK OF
" WINDROW COMPOST PLANT AT PT. NARAYAN MEGHAWALE, WARD
-15 "**

NAGAR PANCHAYAT AMDI, DHAMTARI (C.G.)

**ANNEXURE H - DETAILED SPECIFICATION OF COMPOST SIEVE
MACHINE**

PARAMETER	SPECIFICATIONS/DESCRIPTION
Automation Grade	Manual
Material	Mild Steel with paint coating/ Stainless Steel
Screeener Size/Mesh	4–6 mm
Capacity	200–300 kg per hour
Usage/Application	Any type of compost
Portability	Yes, Portable
Length	5 to 7 feet
Diameter	2 to 3 feet