



# **NAGAR PANCHAYAT NAWAGARH, DISTT- BEMETARA (C.G.)**



## **SWACHH BHARAT MISSION-URBAN 2.0**

**MINISTRY OF HOUSING AND URBAN AFFAIRS  
GOVERNMENT OF INDIA**



**NAGAR PANCHAYAT REPORT UNDER SBM 2.0 FOR SWM,  
NAGAR PANCHAYAT NAWAGARH**

**NAGAR PANCHAYAT NAWAGARH, DISTT. BEMETARA (C.G.)**

**ABSTRACT**

S.NO.	DESCRIPTION	QTY.	UNIT.	RATE	AMOUNT (Rs.)
<b>1</b>	<b>LAL BHADUR SHASHTRI WARD NO - 5</b>				
<b>A</b>	<b>SOR ITEMS</b>				
1	3 TPD Windrow Compost	-	-	-	1003015.73
2	Leachate Tank	-	-	-	27355.76
3	Fencing Boundary wall (61M)	-	-	-	212143.91
4	Entrance Gate ( 3.00 M )	-	-	-	59348.98
5	CC Road (48.00M)	-	-	-	55038.90
<b>Total of (A)</b>					<b>1356903.28</b>
<b>B</b>	<b>NON SOR ITEMS</b>				
6	Weigh Bridge - 10 Ton electronic pitless weighbridge with digital load cells and auto calibration. (Detailed Specification as per Annexure A)	1	Nos.	225000.00	225000.00
7	Wheel Barrow - 140 L wheelbarrow, 450 kg capacity, MS body with rubber tyre. (Detailed Specification as per Annexure B)	2	Nos.	5500.00	11000.00
8	Compost Sieve Machine Manual compost sieve, 200–300 kg/hr, portable MS/SS machine. (Detailed Specification as per Annexure C)	1	Nos.	47500.00	47500.00
<b>SUB Total</b>					<b>283500.00</b>
<b>Total of 1 (A+B)</b>					<b>1640403.28</b>

<b>2</b>	<b>Cost of SLRM Centre</b>				
S.NO.	DESCRIPTION	QTY.	UNIT.	RATE	AMOUNT (Rs.)
<b>A</b>	<b>SOR ITEMS</b>				
1	Revamping of SLRM Centre	-	-	-	416696.66
2	Rain Water Harvesting	-	-	-	32001.00
3	Revamping of Toilet	-	-	-	62241.48
4	Storage Area	-	-	-	501222.37
5	Borewell	-	-	-	178516.00
<b>Total</b>					<b>1190677.51</b>
<b>B</b>	<b>NON SOR ITEMS</b>				
6	Flat Conveyor Belt - approx. 7 m long, 700 mm wide, 800 mm high, flat roller type. (Detailed Specification as per Annexure D)	1	Nos.	155000.00	155000.00
7	HDPE Wheeled Container 100 L HDPE container, durable, wheeled design. (Detailed Specification as per Annexure E)	10	Nos.	1375.00	13750.00

<b>8</b>	Bale Trolley 250 kg MS trolley, manual, with polymer wheels, rust-proof design. (Detailed Specification as per Annexure F)	3	Nos.	6800.00	20400.00
<b>9</b>	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 G)	1	Set	17813.00	17813.00
<b>10</b>	Turbine Ventilator Wind-driven turbine ventilator, 1500–2500 CFM airflow, no electricity required. (Detailed Specification as per Annexure H)	6	Nos.	2500.00	15000.00
<b>SUB Total</b>					<b>221963.00</b>
<b>Total of 2 (A+B)</b>					<b>1412640.51</b>
<b>Total (1+2)</b>					<b>3053043.79</b>
<b>Grand Total</b>					<b>3053043.79</b>
<b>Or Say</b>					<b>30.53</b>

**WINDROW COMPOST PLANT**  
**AT LAL BAHADUR SHASTRI**  
**WARD NO - 5**



**NAGAR PANCHAYAT NAWAGARH, DISTT. BEMETARA (C.G.)**

**ABSTRACT**

<b>S.NO.</b>	<b>DESCRIPTION</b>	<b>QTY.</b>	<b>UNIT.</b>	<b>RATE</b>	<b>AMOUNT (Rs.)</b>
<b>1</b>	<b>Cost Of Windrow Compost Plant</b>				
<b>A</b>	<b>SOR ITEMS</b>				
1	3 TPD Windrow Compost	-	-	-	1003015.73
2	Leachate Tank	-	-	-	27355.76
3	Fencing Boundary wall (61M)	-	-	-	212143.91
4	Entrance Gate ( 3.00 M )	-	-	-	59348.98
5	CC Road (48.00M)	-	-	-	55038.90
<b>Total of (A)</b>					<b>1356903.28</b>
<b>B</b>	<b>NON SOR ITEMS</b>				
6	Weigh Bridge - 10 Ton electronic pitless weighbridge with digital load cells and auto calibration. (Detailed Specification as per Annexure A)	1	Nos.	225000.00	225000.00
7	Wheel Barrow - 140 L wheelbarrow, 450 kg capacity, MS body with rubber tyre. (Detailed Specification as per Annexure B)	2	Nos.	5500.00	11000.00
8	Compost Sieve Machine Manual compost sieve, 200–300 kg/hr, portable MS/SS machine. (Detailed Specification as per Annexure C)	1	Nos.	47500.00	47500.00
<b>SUB Total</b>					<b>283500.00</b>
<b>Total of 1 (A+B)</b>					<b>1640403.28</b>

## NAGAR PANCHAYAT NAWAGARH, DISTT. BEMETARA (C.G.)

### DETAILED ESTIMATE FOR CONSTRUCTION OF WINDROW SHED (3 TPD CAPACITY) AND WET TIPPING SHED (20.00 x 8.00 m.)

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

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
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)		12	1.50	1.50	1.70	45.90			
		Beam below GL									
		X-X Wall		4	2.50	0.30	0.30	0.90			
				6	2.40	0.30	0.30	1.30			
		Y-Y Wall		2	6.10	0.30	0.30	1.10			
		<b>total</b>						<b>49.19</b>	<b>185.00</b>	<b>cum</b>	<b>9100.89</b>
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.									
		<b>Footing</b>									
		F1(1500X1500)		12	1.50	1.50	0.10	2.70			
		Beam below GL									
		X-X Wall		4	3.70	0.30	0.10	0.44			
				6	3.60	0.30	0.10	0.65			
		Y-Y Wall		2	7.20	0.30	0.10	0.43			
		For Floor Base		1	19.60	7.60	0.20	29.79			
		<b>total</b>						<b>34.02</b>	<b>371.00</b>	<b>cum</b>	<b>12619.94</b>
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).									
		<b>Footing</b>									
		F1(1500X1500)		12	1.50	1.50	0.10	2.70			
		Beam below GL									
		X-X Wall		4	3.70	0.30	0.10	0.44			
				6	3.60	0.30	0.10	0.65			
		Y-Y Wall		2	6.20	0.30	0.10	0.37			
		For Floor Base		1	19.60	7.60	0.10	14.90			
		<b>total</b>						<b>19.06</b>	<b>2970.00</b>	<b>cum</b>	<b>56608.20</b>
4	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).									
		<b>F1(1500X1500)</b>		12	1.30	1.30	0.30	6.08			
		<b>Subtotal a</b>						<b>6.08</b>			
		<b>Column upto GL</b>									
		C1(300x400)		12	0.30	0.40	1.20	1.73			

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
		<b>Subtotal b</b>						<b>1.73</b>			
		<b>Column above GL</b>									
		C1(300x400)		12	0.30	0.40	0.60	0.86			
		<b>Subtotal c</b>						<b>0.86</b>			
		<b>Beam below GL</b>									
		X-X Wall		4	3.70	0.20	0.30	0.89			
				6	3.60	0.20	0.30	1.30			
		Y-Y Wall		2	6.20	0.20	0.30	0.74			
		<b>Subtotal d</b>						<b>2.93</b>			
		<b>total (a to d)</b>						<b>11.60</b>	<b>4163.00</b>	<b>cum</b>	<b>48307.45</b>
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.									
		<b>Footings</b>									
		F1 (1.30 + 1.30 = 2.60)	4	12	1.30		0.30	18.72			
		<b>Column upto G L</b>									
		C1 (0.30 + 0.40 = 0.70)	2	12	0.70		1.20	20.16			
		<b>Beam below GL</b>									
		X-X Wall	2	4	3.70		0.30	8.88			
			2	6	3.60		0.30	12.96			
		Y-Y Wall	2	2	6.20		0.30	7.44			
		<b>total</b>						<b>68.16</b>	<b>139.00</b>	<b>sqm</b>	<b>9474.24</b>
	2.1.5	Columns, Pillars, Piers and likes-rectangular or square in shape									
		<b>Column above G L</b>									
		C1 (0.30 + 0.40 = 0.70)	2	12	0.70		0.60	10.08			
								<b>10.08</b>	<b>297.00</b>	<b>sqm</b>	<b>2993.76</b>
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	x	80.00	486.72			
		Column (From S.No. 04)			2.59	x	80.00	207.36			
		Beam below GL (From S.No. 04)			2.93	x	80.00	234.24			
		<b>total</b>						<b>928.32</b>	<b>54.50</b>	<b>Kg</b>	<b>50593.44</b>
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			
		<b>Deductions</b>									
		F1(1500X1500) Moorum Filling		10	1.50	1.50	0.10	-2.25			
		PCC		10	1.50	1.50	0.10	-2.25			
		RCC		10	1.30	1.30	0.30	-5.07			
		C1(300x400)		10	0.30	0.40	1.20	-1.44			
		<b>total</b>						<b>34.89</b>	<b>65.00</b>	<b>cum</b>	<b>2267.85</b>

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
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	19.60	7.60		148.96			
		<b>total</b>						<b>148.96</b>	<b>254.00</b>	<b>sqm</b>	<b>37835.84</b>
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	3.70	0.20	0.60	1.78			
				6	3.60	0.20	0.60	2.59			
		<b>total</b>						<b>4.37</b>	<b>3452.00</b>	<b>cum</b>	<b>15078.34</b>
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	3.70		0.60	8.90			
				6	3.60		0.60	13.00			
		C1(300x400) Perpendicular Projected Faces	2	10	0.20		0.60	2.40			
		C1(300x400) Front Faces	2	4	0.30		0.60	1.44			
		C1(300x400) Perpendicular Projected Faces of Corner Columns	2	2	0.10		0.60	0.24			
		<b>total</b>						<b>25.98</b>	<b>91.50</b>	<b>sqm</b>	<b>2377.17</b>
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	20.00		0.60	24.00			
		<b>total</b>						<b>24.00</b>	<b>113.00</b>	<b>sqm</b>	<b>2712.00</b>
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.									
		<b>Area of Internal Plaster (From S.No. 10)</b>			25.98			25.98			
		<b>total</b>						<b>25.98</b>	<b>64.00</b>	<b>sqm</b>	<b>1662.72</b>

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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	21.20	5.14		217.94			
		<b>total</b>						<b>217.94</b>	<b>693.00</b>	<b>sqm</b>	<b>151029.65</b>
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	21.20			21.20			
		Ridge						<b>21.20</b>	<b>552.00</b>	<b>mtr</b>	<b>11702.40</b>
18	10.16.6	10.16.6 Gutter. (600 mm over all girth).									
		Gutter		2	21.20			42.40			
		<b>total</b>						<b>42.40</b>	<b>629.00</b>	<b>mtr</b>	<b>26669.60</b>
19	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									
		On Steel Structure									
		Pole @29.50 kg/meter 200 mm Dia	6.00	2	4.00	x	0.97	46.56			
		Purlins 40mm dia @ 3.56Kg/meter	18	1	21.20	x	0.13	47.97			
		Rafter 50mm dia @ 5.03 Kg/meter	6	2	5.14	x	0.16	9.69			
		bottom chord 50mm dia @5.03Kg/meter	6	1	10.00	x	0.16	9.43			

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# NAGAR PANCHAYAT NAWAGARH, DISTT. BEMETARA (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								
	<b>(BUILDING SOR ITEM NO.-1.1/9)</b>	1	1.90	1.90	1.65	<b>5.96</b>	<b>CUM</b>	<b>185.00</b>	<b>1101.95</b>
2	<b>Filling from available excavated stuff</b> (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			
	<b>(BUILDING SOR ITEM NO.-1.17/11)</b>					<b>1.58</b>	<b>CUM</b>	<b>65.00</b>	<b>102.38</b>
3	Providing and filling in plinth with <b>sand/ Crusher dust and hard moorum</b> under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	<b>(BUILDING SOR ITEM NO.- 1.18/11)</b>	1	1.90	1.90	0.15	<b>0.54</b>	<b>CUM</b>	<b>371.00</b>	<b>200.90</b>
4	Providing and laying <b>nominal mix cement concrete</b> 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).								
	<b>(BUILDING SOR ITEM NO.- 3.1.3/23)</b>	1	1.90	1.90	0.15	<b>0.54</b>	<b>CUM</b>	<b>2970.00</b>	<b>1608.26</b>
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.								
7	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
8	PCC	1	1.60	1.60	0.15	0.38			
	<b>(BUILDING SOR ITEM NO.- 3..1.5/23)</b>					<b>0.38</b>	<b>CUM</b>	<b>4073.00</b>	<b>1564.03</b>
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			
	<b>(BUILDING SOR ITEM NO.- 2.1.1/16)</b>					<b>0.96</b>	<b>SQ.M</b>	<b>139.00</b>	<b>133.00</b>
7	Brick work with modular fly-ash lime bricks (FALG Bricks) conforming to IS:12894-2002 of class designation 40 in foundation and plinth in:								
	<b>(SOR. ITEM NO.- 7.5.4/45)</b>								

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# NAGAR PANCHAYAT NAWAGARH, DISTT. BEMETARA (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 <b>PWD S.O.R.-P-09/I-1.1.1</b> Main Wall Along Road	1	86.00	0.50	0.80	34.40			
	<b>total</b>					34.40	185.00	cum	6364.00
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 <b>.PWD S.O.R.-P-09/I-1.17</b>								
	Excavated Qty.					34.40			
	<b>Deduction</b>								
	Sand Filling					-4.30			
	Pcc Area					-5.09			
	Brick Work					-12.90			
						12.11	65.00	cum	787.26
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. <b>Building sor 2015item no. 1.18</b>								
8	<b>below pcc</b>	1	86.00	0.50	0.10	4.30	371.00	cum	1595.30
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). <b>PWD S.O.R.-P-23/I-3.1.3</b> Main Wall Along Road	1	86.00	0.50	0.10	4.30			
	Concrete For Angle Iron Post	36	0.20	0.20	0.55	0.79			
	<b>total</b>					5.09	2970.00	cum	15112.35
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	86.00	0.30	0.30	7.74			
		1	86.00	0.20	0.30	5.16			

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# NAGAR PANCHAYAT NAWAGARH, DISTT. BEMETARA (C.G.)

As Per PWD Building SOR w.e.f- 01-01-2015

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 Excavted 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	1:1½:3 (1 cement : 1½ 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

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# NAGAR PANCHAYAT NAWAGARH, DISTT. BEMETARA (C.G.)

(As per P.W.D ROAD S.O.R. W.E.F. 01.01.2025)

S.N.	I.N.	PARTICULAR	NO	L	B	H/d	Q	UNIT	RATE	AMOUNT
1	3.2	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.								
			1	14.00	3.00	0.15	6.30	cum	103.00	648.90
2	4.1	Granular Sub-base as per Table :- 400-1								
	A/ii	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								
		For Sub-base cum drainage layer or upper sub-base (@) with								
	(ii)	Grading- IV Material	1	14.00	3.00	0.15	6.30	cum	1586.00	9991.80
3	6.3	Providing and laying cement concrete for plain concrete/ reinforced concrete i/c form work, shuttering complete in as per drawings and specifications. ( For Village roads _)								
	1	P.C.C. M-10	1	14.00	3.00	0.10	4.20	cum	3449.00	14485.80
4	6.4	Providing and laying Un-reinforced Cement Concrete without Dowel bars including formwork and expansion, contraction & longitudinal joints as per design and as per IRC-62, over a prepared base as per approved mix design and finishing to lines and grade as per Drawing for Pavement thickness less than 200mm in Low Volume Roads. With Cement concrete grade M-30 and minimum cement content @ 375 kg/cum								
4		P.C.C. M-30	1	14.00	3.00	0.15	6.30	cum	4748.00	29912.40
									<b>TOTAL</b>	<b>55038.90</b>

## NAGAR PANCHAYAT NAWAGARH, DISTT. BEMETARA (C.G.)

### ANNEXURE A - 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.

## NAGAR PANCHAYAT NAWAGARH, DISTT. BEMETARA (C.G.)

### ANNEXURE B - 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

**NAGAR PANCHAYAT NAWAGARH, DISTT. BEMETARA  
(C.G.)**

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

<b>PARAMETER</b>	<b>SPECIFICATIONS/DESCRIPTION</b>
Automation Grade	Manual
Material	Mild Steel with paint coating/ Stainless Steel
Screener 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

**SLRM CENTER AT  
LAL BAHADUR SHASTRI  
WARD NO - 5**



**NAGAR PANCHAYAT NAWAGARH, DISTT. BEMETARA (C.G.)**

**ABSTRACT**

<b>S.NO.</b>	<b>DESCRIPTION</b>	<b>QTY.</b>	<b>UNIT.</b>	<b>RATE</b>	<b>AMOUNT (Rs.)</b>
<b>2</b>	<b>Cost of SLRM Centre</b>				
<b>S.NO.</b>	<b>DESCRIPTION</b>	<b>QTY.</b>	<b>UNIT.</b>	<b>RATE</b>	<b>AMOUNT (Rs.)</b>
<b>A</b>	<b>SOR ITEMS</b>				
1	Revamping of SLRM Centre	-	-	-	416696.66
2	Rain Water Harvesting	-	-	-	32001.00
3	Revamping of Toilet	-	-	-	62241.48
4	Storage Area	-	-	-	501222.37
5	Borewell	-	-	-	178516.00
<b>Total</b>					<b>1190677.51</b>
<b>B</b>	<b>NON SOR ITEMS</b>				
6	Flat Conveyor Belt - approx. 7 m long, 700 mm wide, 800 mm high, flat roller type. (Detailed Specification as per Annexure D)	1	Nos.	155000.00	155000.00
7	HDPE Wheeled Container 100 L HDPE container, durable, wheeled design. (Detailed Specification as per Annexure E)	10	Nos.	1375.00	13750.00
8	Bale Trolley 250 kg MS trolley, manual, with polymer wheels, rust-proof design. (Detailed Specification as per Annexure F)	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 G)	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 H)	6	Nos.	2500.00	15000.00
<b>SUB Total</b>					<b>221963.00</b>
<b>Total of 2 (A+B)</b>					<b>1412640.51</b>

# NAGAR PANCHAYAT NAWAGARH, DISTT. BEMETARA (C.G.)

## Revamping of SLRM Centre

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

S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RATE	AMOUNT
<b>RAIN WATER PIPE</b>										
1	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								
			4.00	4.00			16.00			
							16.00	Mtr.	267.00	4272.00
2	10.16.6	Gutter. (600 mm over all girth).	2.00	27.90			55.80	Mtr.	629.00	35098.20
<b>PROPOSED FILLING AND KOTA STONE WORK</b>										
1	16.3.3	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead. In cement mortar.								
		Wash area	4	1.80	0.20	0.90	1.30			
			2	5.20	0.20	0.90	1.87			
							3.17	cum	263.00	833.18
2	16.52	Removing barbed wire or flexible wire rope in fencing including making rolls and stacking within 50 metre lead. 25KGPer sqm	1.00	22.56		1.20	676.80	kg	7.70	5211.36
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).								
		Wash area	4	1.80	0.20	0.10	0.14			
			2	5.20	0.20	0.10	0.21			
							0.35	Cum	2970.00	1045.44
4	16.8	Dismantling flag stone flooring laid in cement/lime mortar including stacking of serviceable material and disposal of unserviceable material within 50 metre lead.								
		Existing Floor Area	1.00	23.7	9.60		227.52			
			1.00	9.60	3.00		28.80			
			1.00	6.00	3.00		18.00			
							274.32	sqm	57.00	15636.24
5	12.49	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 sqm and upto 0.50 sqm)								
		Existing Floor Area	1.00	23.7	9.60		227.52			
			1.00	9.60	3.00		28.80			
			1.00	6.00	3.00		18.00			
							274.32	sqm	897.00	246065.04

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FLOORING									
1	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.							
		PARKING SHED AREA	1	2.00	12.00		24		
			1	3.00	15.50		46.5		
							70.50	sqm	441.00
SYNTEX									
1	19.42	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	1				1000.00	LITER	7.3
2	19.7	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:							
	19.7.2	20 mm dia. nominal bore	1	10.00			10.00	METER	185.00
Grand Total									404559.86
Electrification work @ 3 %									12136.80
Grand Total									416696.66

NAGAR PANCHAYAT NAWAGARH, DISTT. BEMETARA (C.G.)
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" RAIN WATER HARVESTING (1.00X1.00X1.20 M) "

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# **NAGAR PANCHAYAT NAWAGARH, DISTT. BEMETARA (C.G.)**

S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE	AMOUNT
1	16.6	Dismantling dressed stone work ashlar face stone work, marble work or precast concrete work including arches, stacking of serviceable material and disposal of unserviceable material within 50 metres lead								
	16.6.2	In cement mortar					4.93	cum	603.00	2969.78
2	12.74 AS PER AMMENDMENT	Providing and laying rectified ceramic glazed floor tiles of size 300x300mm and above conforming to IS : 15622 of approved make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete.								
		12.74.1 Size 300x300mm area								
		Toilet	3	1.35			4.05			
		Urinal	1				0.88			
						Total	4.93	Sqm	779.00	3837.00
3	As per Ammendment no 08, 05/05/2025 item no.14.57	Providing and applying 2mm thick white cement based Acrylic grade putty with minimum 3 coats applied @ 4.0 kg/ 10Sqm as per relevant IS code 17545:2021 (Product such as Asian trucare, Berger Happy walls Putty Birla Opus One pro smooth) to make the surface smooth and even with all tools tackles and labour etc. complete for the work . (This Item to be use in heigher grade painting works Item No. 14.65)								
		outer wall	1	11.70		2.20	25.74			
		inner wall	6	1.60		2.10	20.16			
			6	1.20		2.10	15.12	35.28		
						Total	61.02	Sqm	95.00	5797.00
4	As per Ammendment no 08, 05/05/2025 item no.14.60	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.								
				-	-	-	61.02			
						Total	61.02	Sqm	37.00	2258.00

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9	8.148.2	8.148 Providing and fixing factory made UPVC door frame made of UPVC profile section having an overall dimension as below (tolerance $\pm 1$ mm) with wall thickness $2.0\text{mm} \pm 0.2\text{mm}$ , corners of the door frame to be jointed with galvanized brackets and stainless steel screws, joints mitred and plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19mm and $1\text{mm} \pm 0.1\text{mm}$ wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturers specification and direction of Engineer-in-charge 8.148.2 Extruded section Profile size 42x50 mm.								
		D1	3	4.95			14.85	Mtr	196.00	2910.60
10	8.149.2	8.149 Providing and fixing factory made PVC door shutters of specified thickness made of styles and rails of a UPVC hollow section of specified size 59x24 mm and wall thickness $2\text{ mm} \pm 0.2\text{ mm}$ with inbuilt edging on both sides. The styles and rails mitred and joined at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. 8.149.2 30 mm thick door shutters with styles and rails of size 60x30 mm								
		D1	3	0.75		2.10	4.73	Sqm	2488.00	11755.80
11	8.58	Providing and fixing bright finished brass butt hinges with brass polished MS screws complete:								
	8.58.2	100x85x5.50 mm (Heavy Type)								
			9	-	-	-	9.00			
						Total	9.00	Each	195.00	1755.0
12	8.60	Providing and fixing bright finished brass sliding door bolt with nuts and brass polished MS screws complete:								
	8.60.2	250x16mm								
			3	-	-	-	3.00			
						Total	3.00	Each	344.00	1032.0
13	8.61	Providing and fixing brass door latch with brass polished MS screws complete:								
	8.61.2	250x16x5 mm								
			6	-	-	-	6.00			
						Total	6.00	Each	268.00	1608.0
14	8.65	Providing and fixing bright finished brass door handles with brass polished MS screws complete:								
	8.65.1	125 mm								
			6	-	-	-	6.00			

						Total	6.00	Each	55.50	333.0
15	19.42	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								
							500.00	litre	7.30	3650.0
16	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 :								
	18.1.3	White Orissa pattern W.C. pan of size 580x440 mm					3.00	Each	2899.00	8697.0
17	19.5	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.								
	19.5.2	20 mm nominal outer dia .Pipes					10.00	metre	167.00	1670.0
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 seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete.								
	18.76.1	75 mm dia pipe.					6.00	Each	182.00	1092.0
19	19.14	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)					5.00	Each	382.00	1910.0

20	18.77	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							
		75 mm dia pipe.				6.00	Each	154.00	924.00
<b>Total</b>									<b>62241.48</b>

## NAGAR PANCHAYAT NAWAGARH, DISTT. BEMETARA (C.G.)

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

S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE	AMOUNT
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	1.20	1.50	1.50	21.60			
		Ground Beam								
		X-X Wall	4	2.56	0.30	0.20	0.61			
			2	2.58	0.30	0.20	0.31			
		Y-Y Wall	2	3.10	0.30	0.20	0.37			
		For Stair	2	1.60	0.60	0.20	0.38			
						Total	23.27	Cum	185.00	4306.00
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.								
		F1	8	1.20	1.50	0.10	1.44			
		Ground Beam								

S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE	AMOUNT
		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	0.60	0.10	0.19			
		Floor Area	1	11.10	4.60	0.20	10.21			
						Total	12.73	Cum	371.00	4723.00
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)								

S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE	AMOUNT
		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								
		All Area	1	11.50	5.00	0.125	7.19			
						Total	19.16	Cum	4163.00	79763.00
6	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.								
		Footing Excavated Qty.					21.60			
		<b>Deduction</b>								
		Sand Filling					-1.44			
		Footing P.C.C. Area					-1.44			
		Footing Area					-3.95			
						Total	14.77	Cum	65.00	960.00
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:								

S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE	AMOUNT
	3.12.1	Thermo-Mechanically treated bars FE 415								
		As per Item No-	1	19.16	-	-	19.16			
						Total	19.16	Cum		
		@ 100kg /Cum of Concrete	1	19.16	x	100.00	#####			
						Total	#####	Kg	54.50	104422.00
8	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	4.60	-	0.30	11.04			
		Column (Upto Ground Level)								
		C1	8	1.20	-	1.00	9.60			
		Column(Ground Lvl to Plinth Lvl)								
		C1	8	1.20	-	0.30	2.88			
		Ground Beams								
		Outer at Ground Lvl								
		X-X Wall	8	3.56	-	0.30	8.54			
			4	3.58	-	0.30	4.30			
		Y-Y Wall	4	4.20	-	0.30	5.04			
						Total	41.40	Sqm	139.00	5755.00
	2.1.5	Columns, Pillars, Piers and likes- rectangular or square in shape								
		Column (Abv. Plinth Top to GF Slab Top)								
		C1	8	1.20	-	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

S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE	AMOUNT
	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:								
	7.5.4	Cement Mortar 1:6 (1 cement : 6 coarse sand)								



S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE	AMOUNT
	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			

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**NAGAR PANCHAYAT NAWAGARH, DISTT. BEMETARA (C.G.)**

<b>ESTIMATE FOR DRILLING OF BOREWELL 150 MM DIA</b>	
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(CGPHE USOR 2020 / Amendment no. 09, 2022-23 till date)

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SN	SOR	DESCRIPTION	No.	L	W	H/D	QTY	Rate	UNIT	Amount
8	34.20.105	Supplying & Installation of Energy Efficient Five star BEE rating ISI Marked required capacity of single phase, 50 Hz,220V, deep well Submersible pump,Stainless steel body suitable for 4"/6" tube well with Control Panel Starter suitable for Submersible pump with dry run Protection, connections, including clamps, bore cap etc. as required as per specifications but excluding pipe, SS / Nylon wire rope and connection cable.								
	(ii)	1.0 H.P. with upto 5 stages, Head Mt. 35-15 Discharge LPM 40-125	1.00				1.00	18620.0	SET	18620.00
									TOTAL	178516.00
									ADD 18% GST FOR PHE SOR	32132.88
									TOTAL	210648.88

**NAGAR PANCHAYAT NAWAGARH, DISTT. BEMETARA (C.G.)**

**ANNEXURE D - DETAILED SPECIFICATION OF FLAT CONVEYOR BELT**

<b>PARAMETER</b>	<b>SPECIFICATIONS/DESCRIPTION</b>
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)

**NAGAR PANCHAYAT NAWAGARH, DISTT. BEMETARA (C.G.)**

**ANNEXURE E - DETAILED SPECIFICATION OF HDPE CONTAINER**

<b>PARAMETER</b>	<b>SPECIFICATIONS/DESCRIPTION</b>
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

**NAGAR PANCHAYAT NAWAGARH, DISTT. BEMETARA (C.G.)**

**ANNEXURE F - DETAILED SPECIFICATION OF BALE TROLLY**

<b>PARAMETER</b>	<b>SPECIFICATIONS/DESCRIPTION</b>
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

**NAGAR PANCHAYAT NAWAGARH, DISTT. BEMETARA (C.G.)**

**ANNEXURE G - 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.

**NAGAR PANCHAYAT NAWAGARH, DISTT. BEMETARA (C.G.)**

**ANNEXURE H - 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