

# **VOLUME 02**

NAGAR PANCHAYAT ANTAGARH , KANKER (C.G)					
ABSTRACT					
S.NO.	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT (Rs.)
I	COST FOR EXISTING COMPOST PLANT				
1	COMPOST PLANT - WARD NO. - 14,ANTAGARH,KANKER (C.G.)				
a	CIVIL WORK	QTY.	UNIT	RATE	AMOUNT (Rs.)
1	2 Tpd Windrow Compost plant	-	-	-	861522.60
2	Leachate callection tank				27355.76
3	Rain Water Harvesting				32001.00
4	Fencing	-	-	-	87820.59
	Total of (a)				1008699.95
b	NON SOR ITEMS	QTY.	UNIT	RATE	AMOUNT (Rs.)
1	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
2	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 B)	1	Set	17813.00	17813.00
3	Wheel Barrow - 140 L wheelbarrow, 450 kg capacity, MS body with rubber tyre. (Detailed Specification as per Annexure C)	2	Nos.	5500.00	11000.00
4	Compost Sieve Machine Manual compost sieve, 200–300 kg/hr, portable MS/SS machine. (Detailed Specification as per Annexure D)	1	Nos.	47500.00	47500.00
	SUB Total				301313.00
	Total of (b)				301313.00
	Total of 1 (a+b)				1310012.95
Total of Compost Plant I					1310012.95
II	COST FOR EXISTING SLRM/MRF PLANT				
1	COMPOST PLANT - WARD NO. - 14,ANTAGARH,KANKER (C.G.)				

a	CIVIL WORK	QTY.	UNIT	RATE	AMOUNT (Rs.)
1	Revamping of SLRM Centre	-	-	-	252035.15
2	Revamping of Toilet	-	-	-	26327.00
3	Storage Area for Baled and Recyclable Material				501222.37
4	Rain Water Harvesting	-	-	-	32001.00
5	Fencing	-	-	-	62728.99
	Total of (a)				874314.52
b	NON SOR ITEMS	QTY.	UNIT	RATE	AMOUNT (Rs.)
1	Flat Conveyor Belt - approx. 7 m long, 700 mm wide, 800 mm high, flat roller type. (Detailed Specification as per Annexure E)	1	Nos.	155000.00	155000.00
2	HDPE Wheeled Container 100 L HDPE container, durable, wheeled design. (Detailed Specification as per Annexure F)	10	Nos.	1375.00	13750.00
3	Bale Trolley 250 kg MS trolley, manual, with polymer wheels, rust-proof design. (Detailed Specification as per Annexure G)	3	Nos.	6800.00	20400.00
4	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 H)	1	Set	17813.00	17813.00
5	Turbine Ventilator Wind-driven turbine ventilator, 1500–2500 CFM airflow, no electricity required. (Detailed Specification as per Annexure I)	6	Nos.	2500.00	15000.00
	SUB Total				221963.00
	Total of (b)				221963.00
	Total of 1 (a+b)				1096277.52
	Total of SLRM/MRF Plant				1096277.52
Total Capital Cost (I+II)					2406290.47

<b>Grand Total</b>	<b>2406290.47</b>
<b>SAY Rs.(In Lakhs)</b>	<b>24.06</b>

## NAGAR PANCHAYAT ANTAGARH , KANKER (C.G)

### ABSTRACT

S.NO.	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT (Rs.)
1	COMPOST PLANT - WARD NO. - 14,ANTAGARH,KANKER (C.G.)				
a	CIVIL WORK	QTY.	UNIT	RATE	AMOUNT (Rs.)
1	2 Tpd Windrow Compost plant	-	-	-	861522.60
2	Leachate collection tank				27355.76
3	Rain Water Harvesting				32001.00
4	Fencing	-	-	-	87820.59
	Total of (a)				1008699.95
b	NON SOR ITEMS	QTY.	UNIT	RATE	AMOUNT (Rs.)
1	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
2	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
3	Wheel Barrow - 140 L wheelbarrow, 450 kg capacity, MS body with rubber tyre. (Detailed Specification as per Annexure A)	2	Nos.	5500.00	11000.00
4	Compost Sieve Machine Manual compost sieve, 200–300 kg/hr, portable MS/SS machine. (Detailed Specification as per Annexure B)	1	Nos.	47500.00	47500.00
	SUB Total				301313.00
	Total of (b)				301313.00
	Total of 1 (a+b)				1310012.95
Total of Compost Plant I					1310012.95

**DETAILED ESTIMATE FOR PROPOSED WORK OF  
" SLRM CENTRE AT ANTAGARH WARD NO - 14 "  
NAGAR PANCHAYAT, KANKER (C.G.)**

**DETAILED ESTIMATE FOR CONSTRUCTION OF WINDROW SHED (2 TPD CAPACITY) AND WET TIPPING SHED (21.50 x 6.80 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		H/D	QTY	RATE	UNIT	AMOUNT
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	1.5	1.5	1.7	45.9			
		Beam below GL									
		X-X Wall		4	2.8	0.3	0.3	1.008			
				3	2.7	0.3	0.3	0.729			
		Y-Y Wall		2	5	0.3	0.3	0.9			
		total						48.537	185	cum	8979.345
2	1.18	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc complete.									
		Footing									
		F1(1500X1500)		12	1.5	1.5	0.1	2.7			
		Beam below GL									
		X-X Wall		4	4	0.3	0.1	0.48			
				6	3.9	0.3	0.1	0.702			
		Y-Y Wall		2	6.2	0.3	0.1	0.372			
		For Floor Base		1	21.1	6.4	0.2	27.008			
		total						31.262	371	cum	11598.2
3	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.									
	3.1.3	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).									
		Footing									
		F1(1500X1500)		12	1.5	1.5	0.1	2.7			
		Beam below GL									
		X-X Wall		4	4	0.3	0.1	0.48			
				6	3.9	0.3	0.1	0.702			
		Y-Y Wall		2	6.2	0.3	0.1	0.372			
		For Floor Base		1	21.1	6.4	0.1	13.504			
		total						17.758	2970	cum	52741.26
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).									
		F1(1500X1500)		12	1.3	1.3	0.3	6.084			
		Subtotal a						6.084			



	7.5.3	Cement Mortar 1:4 (1 cement : 4 coarse sand)									
		Wall									
		X-X Wall		4	4	0.2	0.6	1.92			
				6	3.9	0.2	0.6	2.808			
		total						4.728	3452	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		0.6	9.6			
				6	3.9		0.6	14.1			
		C1(300X300)	2	10	0.1		0.6	1.2			
		total						24.9	91.5	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	21.5		0.6	25.8			
		total						25.8	113	sqm	2915.4
12	As per Ammendment no 08, 05/05/2025 item no.14.62										
		Area of Internal Plaster (From S.No. 10)			24.9			24.9			
		total						24.9	64	sqm	1593.6
14	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									
		Area of External Wall (From S.No. 11)									
					25.8			25.8			
		total						25.8	70	sqm	1806
15	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									
	9.3.1	Electric resistance or induction butt welded tubes Grade-250									
		Pole @21.30 kg/meter 150 mm Dia	6	2	4	@	21.3	1022.4			
		Purlins 40mm dia @ 3.56Kg/meter	14	1	21.5	@	3.56	1071.6			
		Rafter 50mm dia @5.03Kg/meter	6	2	4.56	@	5.03	275.24			
		bottom chord 50mm dia @6.19Kg/meter	6	1	8.8	@	5.03	265.58			
		Post NB 50	6	2	1.2	@	5.03	72.432			
		Post NB 40	6	2	0.87	@	3.56	37.166			
		Post NB 40	6	2	0.53	@	3.56	22.642			
		Post NB 40	6	2	0.19	@	3.56	8.1168			
		webs 32mm dia @3.10Kg/meter	6	2	1.45	@	3.1	53.94			
			6	2	1.26	@	3.1	46.872			
			6	2	1.13	@	3.1	42.036			



		Wind tie 32x5mm	8	1	21.5	@	3.1	533.2			
								3451.2			
		Gusset Plate, Fixing Bolt and Base Plate Etc 12%	0.12					414.14			
								3865.3	93.5	Kg	361408.7
16	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									
		Roofing		2	22.5	4.56		205.2			
		total						205.2	693	sqm	142203.6
17	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									
	10.16.1	10.16.1 Ridges plain (500-600mm)		1	22.5			22.5			
		Ridge						22.5	552	mtr	12420
18	10.16.6	10.16.6 Gutter. (600 mm over all girth).									
		Gutter		2	22.5			45			
		total						45	629	mtr	28305
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									
		On Steel Structure									
		Pole @21.30 kg/meter 150 mm Dia	6	2	4	@	0.5	24			
		Purlins 40mm dia @ 3.56Kg/meter	14	1	21.5	@	0.13	39.13			
		Rafter 50mm dia @5.03Kg/meter	6	2	4.56	@	0.16	8.7552			
		bottom chord 50mm dia @6.19Kg/meter	6	1	8.8	@	0.16	8.448			
		Post NB 50	6	2	1.2	@	0.16	2.304			
		Post NB 40	6	2	0.87	@	0.13	1.3572			
		Post NB 40	6	2	0.53	@	0.13	0.8268			
		Post NB 40	6	2	0.19	@	0.13	0.2964			
		webs 32mm dia @3.10Kg/meter	6	2	1.45	@	0.1	1.74			
			6	2	1.26	@	0.1	1.512			
			6	2	1.13	@	0.1	1.356			
		Wind tie 32x5mm	8	1	21.5	@	0.32	55.04			
								144.77			
		20% Extra For Miscellenious	0.2					28.953			
								173.72	43	sqm	7469.905

20	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									
	18.76.2	110 mm dia pipe.									
		Rain water Pipe		4	4			16			
		total						16	267	mtr	4272
Total											797706.1
Add 8% Electrical and Plumbing Work											63816.49
Grand Total for 1 Windrow Shed											861522.6

**DETAILED ESTIMATE FOR PROPOSED WORK OF  
" SLRM CENTRE AT ANTAGARH WARD NO - 14"  
NAGAR PANCHAYAT, KANKER (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.								
	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			
	<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			

	(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)								
	Cement Mortar 1:6 (1 cement : 6 coarse sand )								
	Extra for brick work in superstructure:								
	(SOR. ITEM NO.- 7.6/45)								
	Leachate Tank Wall	2	1.60	0.20	1.20	0.77			
		2	1.20	0.20	1.20	0.58			
						1.34	CUM	3384.00	4548.10
8	Providing and making 12mm.thick cement plaster of mix : In Cement Mortar 1:6 ( 1 Cement : 6 fine Sand)								
	(BUILDING SOR. ITEM NO.-11.2/103)								
	11.1.2 ) In Cement mortar 1:4 (1 cement : 4 fine sand)								
	Inside Plaster	4	1.20		1.20	5.76			
						5.76	SQM	91.50	527.04
9	Providing and laying nominal mix reinforcement cement concrete with crushed stone aggregate using concrete mixer in all works upto floor five level excluding cost of reinforcement and form work. 3.2.1) 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	Precast Slab	1	1.80	1.80	0.15	0.49			
	(BUILDING SOR ITEM NO.- 3.2.1/23)					0.49	CUM	4163.00	2023.22
10	Extra for precast PCC/ RCC work of any mix including form work, hoisting and fixing in Cement Mortar. 1:2 (1 Cement : 2 coarse sand) and finishing with cement plaster in Cement Mortar 1:3 (1 Cement : 3 coarse sand) but excluding reinforcement.								
	Precast Slab					0.49			
	(BUILDING SOR ITEM NO.-3.9/24)					0.49	CUM	469.00	227.93
11	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting bending binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415								
	Precast Slab	Qty.as per item no. 5				0.49			
	(BUILDING SOR ITEM NO.-3.12.1/24)	80 kg/cum				38.88	KG	54.50	2118.96
12	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 pipe.								
	Leachate Drain Pipeline	1	30.00	-	-	30.00	MTR	440.00	13200.00



" 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								
	<b>(BUILDING SOR. ITEM NO.-1.1.1/9)</b>	1	1.40	1.40	1.20	<b>2.35</b>	<b>CUM</b>	<b>185.00</b>	<b>434.75</b>
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	<b>0.11</b>			
		2	1.00	0.20	0.20	<b>0.08</b>			
	<b>Top Slab-</b>	1	1.40	1.40	0.10	<b>0.20</b>			
	<b>(BUILDING SOR ITEM NO.-3.9/24)</b>					<b>0.39</b>	<b>CUM</b>	<b>4163.00</b>	<b>1623.57</b>
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				<b>0.39</b>			
	<b>(SOR ITEM NO.-3.12.1/24)</b>		<b>70 kg/cum</b>			<b>19.5</b>	<b>KG</b>	<b>54.50</b>	<b>1062.75</b>
4	Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: 7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand)								
	<b>(BUILDING SOR ITEM NO.-7.5.4/45)</b>	1	4.80	0.20	1.40	<b>1.34</b>	<b>CUM</b>	<b>3263.00</b>	<b>4385.47</b>
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	<b>0.40</b>	<b>CUM</b>	<b>863.00</b>	<b>345.20</b>
	Gravels of size range 5 mm to 10 mm, over the existing layer of boulders	1	1.00	1.00	0.30	<b>0.30</b>	<b>CUM</b>	<b>806.00</b>	<b>241.80</b>

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**DETAILED ESTIMATE FOR PROPOSED WORK OF  
" SLRM CENTRE AT ANTAGARH WARD NO - 14"  
NAGAR PANCHAYAT, KANKER (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	35.00	0.50	0.80	14.00			
	<b>total</b>					14.00	185.00	cum	2590.00
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.					14.00			
	<b>Deduction</b>								
	Sand Filling					-1.75			
	Pcc Area					-2.07			
	Brick Work					-5.25			
						4.93	65.00	cum	320.40
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. <b>Building sor 2015item no. 1.18</b>								
	<b>below pcc</b>	1	35.00	0.50	0.10	1.75	371.00	cum	649.25
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	35.00	0.50	0.10	1.75			
	Concrete For Angle Iron Post	15	0.20	0.20	0.55	0.32			
	<b>total</b>					2.07	2970.00	cum	6150.38



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	35.00	0.30	0.30	3.15		
			1	35.00	0.20	0.30	2.10		
	<b>total</b>						5.25	3263.00	cum 17130.75
6	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								
	Above Ground Level Main Wall Along Road		1	35.00	0.20	0.55	3.85		
	Deduct								
	Angle Iron Post Area		15	0.20	0.20	0.55	-0.32		
	<b>total</b>						3.53	3263.00	cum 11515.67
7	Providing and laying damp proof course (upto 50mm thick) with plain cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20mm nominal size) including form work. PWD S.O.R.-P-24/I-3.13								
	<b>PWD S.O.R.-P-24/I-3.13</b>								
	Main Wall Along Road		1	35.00	0.20	0.05	0.35		
	<b>total</b>						0.35	4237.00	cum 1482.95
8	12mm thick cement plaster of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand) <b>PWD S.O.R.-P-103/I-11.2.4</b> Main Wall Along Road <b>Subtotal</b>								
	Inner Plaster Area	1	1	35.00		0.60	21.00		
	<b>total</b>						21.00	91.50	sqm 1921.50
9	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand) <b>(Page No.- 103, Item No.- 11.3.4)</b>								
	Outer Plaster Area	1	1	35.00		0.60	21.00		
	Top	1	1	35.00	0.20		7.00		
							28.00	107.00	sqm 2996.00

[illegible]

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									
	Satin synthetic enamel paint									
	<b>As per Ammendment no 08, 05/05/2025 item no.14.74</b>									
	M S 40X40 x4.00 mm Th. Post @ 4.09kg/ Rmt		15	1.75		0.16	4.08			
	M S Frame 20x20x2.80 mm Th. partition pipe @ 1.56 kg/ Rmt		15	7.70		0.08	8.98			
	Bottom /Side	12	15	0.05		0.08	0.70			
							13.77	35.00	Sqm	481.83
14	Providing and applying Glossy finish Enamel paint mimimum 2 Coats in al surface applying @ 0.75 lit/ 10 Sqm up to required finish as per relevent I.S. code 2932: 2013 of (Product such as Asian Apcolite Premium Enamel Dulux Promise Premium Enamel Nerolac Synthatic Enamel, Opus Prime enamel ) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackle and labour etc. complete for the work.									
	As per Ammendment no 08, 05/05/2025 item no.14.72									
	As Per Item No.	13					13.77	120.00	Sqm	1652.00
<b>Total</b>										<b>87820.59</b>

**" SLRM CENTRE AT ANTAGARH WARD NO - 14 "**  
**NAGAR PANCHAYAT, KANKER (C.G.)**

**ANNEXURE A - DETAILED SPECIFICATION OF WEIGH BRIDGE**

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

**" SLRM CENTRE AT ANTAGARH WARD NO - 14 "**  
**NAGAR PANCHAYAT, KANKER (C.G.)**

**ANNEXURE B - DETAILED SPECIFICATION OF SURVEILLANCE CAMERA**

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

**" SLRM CENTRE AT ANTAGARH WARD NO - 14 "**  
**NAGAR PANCHAYAT, KANKER (C.G.)**

**ANNEXURE C - DETAILED SPECIFICATION OF WHEEL BARROW**

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

**" SLRM CENTRE AT ANTAGARH WARD NO - 14 "**  
**NAGAR PANCHAYAT, KANKER (C.G.)**

**ANNEXURE D - DETAILED SPECIFICATION OF COMPOST SIEVE**

<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

<b>NAGAR PANCHAYAT ANTAGARH , KANKER (C.G)</b>					
<b>ABSTRACT</b>					
<b>S. NO.</b>	<b>DESCRIPTION</b>	<b>QTY.</b>	<b>UNIT</b>	<b>RATE</b>	<b>AMOUNT (Rs.)</b>
<b>1</b>	<b>SLRM/MRF PLANT - WARD NO.- 11, BARSUR</b>				
<b>a</b>	<b>CIVIL WORK</b>	<b>QTY.</b>	<b>UNIT</b>	<b>RATE</b>	<b>AMOUNT (Rs.)</b>
1	Revamping of SLRM Centre	-	-	-	252035.15
2	Revamping of Toilet	-	-	-	26327.00
3	Storage Area for Baled and Recyclable Material				501222.37
4	Rain Water Harvesting	-	-	-	32001.00
5	Fencing	-	-	-	62728.99
	<b>Total of (a)</b>				<b>874314.52</b>
<b>b</b>	<b>NON SOR ITEMS</b>	<b>QTY.</b>	<b>UNIT</b>	<b>RATE</b>	<b>AMOUNT (Rs.)</b>
1	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
2	HDPE Wheeled Container 100 L HDPE container, durable, 440 kg load capacity, wheeled design. (Detailed Specification as per Annexure E)	10	Nos.	1375.00	13750.00
3	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
4	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
5	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 (b)</b>				<b>221963.00</b>
	<b>Total of 1 (a+b)</b>				<b>1096277.52</b>



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
RAIN WATER PIPE										
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								
			2.00	4.00			8.00	Mtr	267.00	2136.00
PROPOSED FILLING AND KOTA STONE WORK										
1	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)								
			1.00	26.40	9.40		248.16			
							248.16	sqm	897.00	222599.52
PAINTING WORK FOR SLRM CENTRE										
8	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 Promise sheen, Neroloc Litil Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour complete for the work.								
		Inner wall	2.00	23.80		0.90	42.84			
			1.00	9.60		0.90	8.64			
			3.00	6.60		3.00	59.40			
			6.00	2.60		3.00	46.80			
		Deduction								
		D	1.00	1.40		0.90	-1.26			
		D2	3.00	0.90		2.10	-5.67			
		W	3.00	1.20		1.50	-5.40			
						Total	145.35	Sam	64.00	9302.40
9	As per Amendment no 08, 05/05/2025 item no.14.67	Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S, Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish ) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2 Year Warranty)								
		Outer wall	2.00	24.00		0.90	43.20			
			1.00	7.06		0.90	6.35			
			1.00	7.06		3.30	23.30			
			2.00	2.73		3.30	18.02			
		Deduction								
		D	1.00	1.40		0.90	-1.26			
		D1	1.00	0.90		2.10	-1.89			
		W	3.00	1.20		1.50	-5.40			
						Total	82.32	Sam	70.00	5762.40
10	As per Amendment 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								
		Premium synthetic enamel paint For SLRM.iali	2.00	23.80		2.10	99.96			
			1.00	9.60		2.10	20.16			
		D	1.00	3.00		2.10	-6.30			
						Total	113.82	Sam	43.00	4894.0
									Total	244694.32

Electrification work @ 3 %	7340.83
Grand Total	252035.15

REVAMPING OF TOILET										
S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE	AMOUNT
1	16.53	Removing following vitreous china sanitarywares carefully for re-use including stacking within 50 metres lead.								
	16.53.3	European/ Anglo Indian WC pan of all sizes					1.00	cum	46.00	46.00
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	1	1.20	1.64		1.97			
						Total	1.97	Sqm	779.00	1533.00
7	11.2	Providing and making 12mm thick cement plaster of mix:								
	11.2.4	In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		Slab	2	1.20	1.64		3.94			
			1	1.00	1.10		1.10			
			2	0.65	0.44		0.57			
		inner wall	4	1.64		2.10	13.78			
			2	1.10		2.10	4.62			
			4	0.65		2.10	5.46			
			4	1.20		2.10	10.08			
			2	1.00		2.10	4.20			
			2	0.44		2.10	1.85			
		Deduction								
		D2	3	0.75		2.10	-4.73			
		V	3	0.45		0.30	-0.41			
							40.46	Sqm	91.50	3702.00
8	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)								
		outer wall	2	4.10		2.20	18.04			
			2	2.10		2.20	9.24			
		Deduction								
		D2	3	0.75		2.10	-4.73			
		V	3	0.45		0.30	-0.41			
							22.15	Sqm	113.00	2503.00

4	As per Ammendment no 08, 05/05/2025 item no.14.53	White washing/ Colour washing with lime to give an even Sqm shade in Three or more Coats for New surface as per relevant IS code 6278:1971 Consumption of lime 3.50kg /10 Sqm with all tools tackles and labour etc. complete for the work.								
							62.61	Sqm	14.00	877.00
5	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 Litil Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour complete for the work.								
						Total	40.46	Sqm	64.00	2590.00
6	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)								
				-	-	-	22.15			
						Total	22.15	Sqm	70.00	1551.00

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14	18.7	Providing and fixing 10 litre capacity P.V.C. low level flushing cistern conforming to IS : 7231, with all fittings and fixtures complete.								
	18.7.1	White					2.00	Each	729.00	1458.00
									<b>Total</b>	<b>26327.00</b>

## 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 inequalities 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								
		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)								
		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:								
	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	1916.00			
						Total	1916.00	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
	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)								
	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:								

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18	4.21	Providing post water proofing treatment against dampness & Seepage in roof, terraces, sunken floor of toilets with reinforced acrylic breathable (polymer content 35%, elongation at break at > 100%) coating consisting of following operations: i) Removing loose material and cleaning the surface. ii) Priming in one coat with water based acrylic emulsion. iii) Three coats with reinforced acrylic breathable polymer								
		Slab Area	1	11.50	5.00		57.50			
						Total	57.50	Sqm	611.00	35133.0
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= Areax30.00 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			
		For Qty of steel= Area x 30.0 kg/Sqm		9.36	x	30.00	280.80	kg	75.00	21060.00
22	As per Amendment no 08, 05/05/202 5 item no.14.72	Providing and applying Glossy finish Enamel paint minimum 2 Coats in all surface applying @ 0.75 lit/ 10 Sqm up to required finish as per relevant I.S. code 2932: 2013 of (Product such as Asian Apcolite Premium Enamel Dulux Promise Premium Enamel Nerolac Synthatic Enamel, Opus Prime enamel ) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackle and labour etc. complete for the work.								
		On Steel work								
		Door	4	1.20		2.10	10.08			
		Window	6	1.20	-	1.20	8.64			
						Total	18.72	Sqm	120.00	2246.00
23	9.37	Providing and fixing M.S. fan clamp/ hook for ceiling fan made out of 16 mm dia M.S. bar bent to shape with hooked ends in R.C.C. slabs, beams during laying including painting the exposed portion of loop.								
			3	-	-	-	3.00			
						Total	3.00	Each	97.00	291.0
									<b>Total</b>	<b>459837.04</b>
		Electrification	0.09							41385.33
									<b>G. Total</b>	<b>501222.37</b>

" 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								
	<b>(BUILDING SOR. ITEM NO.-1.1.1/9)</b>	1	1.40	1.40	1.20	<b>2.35</b>	<b>CUM</b>	<b>185.00</b>	<b>434.75</b>
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	<b>0.11</b>			
		2	1.00	0.20	0.20	<b>0.08</b>			
	<b>Top Slab-</b>	1	1.40	1.40	0.10	<b>0.20</b>			
	<b>(BUILDING SOR ITEM NO.-3.9/24)</b>					<b>0.39</b>	<b>CUM</b>	<b>4163.00</b>	<b>1623.57</b>
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				<b>0.39</b>			
	<b>(SOR ITEM NO.-3.12.1/24)</b>		<b>70 kg/cum</b>			<b>19.5</b>	<b>KG</b>	<b>54.50</b>	<b>1062.75</b>
4	Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: 7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand)								
	<b>(BUILDING SOR ITEM NO.-7.5.4/45)</b>	1	4.80	0.20	1.40	<b>1.34</b>	<b>CUM</b>	<b>3263.00</b>	<b>4385.47</b>
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	<b>0.40</b>	<b>CUM</b>	<b>863.00</b>	<b>345.20</b>
	Gravels of size range 5 mm to 10 mm, over the existing layer of boulders	1	1.00	1.00	0.30	<b>0.30</b>	<b>CUM</b>	<b>806.00</b>	<b>241.80</b>

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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	25.00	0.30	0.30	2.25		
			1	25.00	0.20	0.30	1.50		
	<b>total</b>						3.75	3263.00	cum 12236.25
6	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								
	Above Ground Level Main Wall Along Road		1	25.00	0.20	0.55	2.75		
	Deduct								
	Angle Iron Post Area		10	0.20	0.20	0.55	-0.23		
	<b>total</b>						2.52	3263.00	cum 8225.48
7	Providing and laying damp proof course (upto 50mm thick) with plain cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20mm nominal size) including form work. PWD S.O.R.-P-24/I-3.13								
	<b>PWD S.O.R.-P-24/I-3.13</b>								
	Main Wall Along Road		1	25.00	0.20	0.05	0.25		
	<b>total</b>						0.25	4237.00	cum 1059.25
8	12mm thick cement plaster of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand) <b>PWD S.O.R.-P-103/I-11.2.4</b> Main Wall Along Road <b>Subtotal</b>								
	Inner Plaster Area	1	1	25.00		0.60	15.00		
	<b>total</b>						15.00	91.50	sqm 1372.50
9	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand) <b>(Page No.- 103, Item No.- 11.3.4)</b>								
	Outer Plaster Area	1	1	25.00		0.60	15.00		
	Top	1	1	25.00	0.20		5.00		
							20.00	107.00	sqm 2140.00

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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									
	Satin synthetic enamel paint									
	As per Ammendment no 08, 05/05/2025 item no.14.74									
	M S 40X40 x4.00 mm Th. Post @ 4.09kg/ Rmt		10	1.75		0.16	2.92			
	M S Frame 20x20x2.80 mm Th. partition pipe @ 1.56 kg/ Rmt		10	7.70		0.08	6.42			
	Bottom /Side	12	10	0.05		0.08	0.50			
							9.83	35.00	Sqm	344.17
14	Providing and applying Glossy finish Enamel paint mimimum 2 Coats in al surface applying @ 0.75 lit/ 10 Sqm up to required finish as per relevent I.S. code 2932: 2013 of (Product such as Asian Apcolite Premium Enamel Dulux Promise Premium Enamel Nerolac Synthatic Enamel, Opus Prime enamel ) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackle and labour etc. complete for the work.									
	As per Ammendment no 08, 05/05/2025 item no.14.72									
	As Per Item No.	13					9.83	120.00	Sqm	1180.00

**" SLRM CENTRE AT ANTAGARH WARD NO - 14 "**  
**NAGAR PANCHAYAT, KANKER (C.G.)**

**ANNEXURE E - 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 Scrapper
	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)

**" SLRM CENTRE AT ANTAGARH WARD NO - 14 "**  
**NAGAR PANCHAYAT, KANKER (C.G.)**

**ANNEXURE F - 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

**" SLRM CENTRE AT ANTAGARH WARD NO - 14 "**  
**NAGAR PANCHAYAT, KANKER (C.G.)**

**ANNEXURE G - 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

**" SLRM CENTRE AT ANTAGARH WARD NO - 14 "**  
**NAGAR PANCHAYAT, KANKER (C.G.)**

**ANNEXURE H - DETAILED SPECIFICATION OF SURVEILLANCE CAMERA**

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



**" SLRM CENTRE AT ANTAGARH WARD NO - 14 "**  
**NAGAR PANCHAYAT, KANKER (C.G.)**

**ANNEXURE I - 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