



Name of Work: Solid Waste Management Atchutapuram, Anakapalli District

GENERAL ABSTRACT


Sl. No.	DESCRIPTION OF ITEMS	Amount (in Rs.)	Phase-I	Phase-II
I	2	3		
1	Solid Waste Management	267,594,667.61	219959182	47635486
		267,594,667.61	219,959,181.94	47,635,485.67
PROVISIONS :				
a	Provision towards P S & Contingencies, @ 1.5%	4,013,920.00	3,299,388.00	714,532.00
b	Provision towards Unforeseen items and round off	9,916,713.39	4,113,147.06	2,803,567.33
c	Provision towards Quality Control @ 0.75%	2,006,960.00	1,649,694.00	357,266.00
d	Provision towards Tender Premium @ 5%	13,379,733.00	10,997,959.00	2,381,774.00
e	Provision towards Price Adjustment @ 5%	13,379,733.00	10,997,959.00	2,381,774.00
f	Provision towards NAC @ 0.1%	267,595.00	219,959.00	47,635.00
g	Provision for seigniorage charges	3,000,000.00	3,000,000.00	3,000,000.00
		313,559,322.00	254,237,288.00	59,322,034.00
h	Provision towards Provision for GST @ 18%	56,440,678.00	45,762,712.00	10,677,966.00
	Total	370000000.00	300000000.00	70000000.00


(Rupees Thirty Seven Crores Only)


Sr. Project Engineer
Anakapalli zone


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Env. Engg
Anakapalli zone


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PE/Elec.
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B.M.C.E.
Anakapalli zone


Z.M.
Anakapalli zone

Name of Work: Solid Waste Management Atchutapuram, Anakapalli District

S.No.	Description of Unit	No	L	W	D	Qty	Units	Units Rate	Amount	Phase - 1	Phase - 2
								in INR	in INR		
A Preliminary Studies											
1	Topographical & Geo-technical Studies, Basic / Detail Designs and Engineering, 3rd party approvals and inspection including as Built Drawings	1				1.00	LS	25,00,000	2500000.00	2500000.00	
Sub Total Preliminary Studies									2500000.00	2500000.00	-

B Site Development											
1	Site Development - Considered min. 500mm thick soil fill, leveling, watering and compaction for road connection	1	192.10	111.10	0.50	10.670.16	Cum	500.00	5335577.50	5335577.50	-
									5335577.50	5335577.50	-

PEB Sheds											
1 Shed for General Store & Vehicle Maintenance Shed											
a	Civil Works	1	65.62	40.88		2682.37	Sft	800.00	2145893.18	2145893.18	
b	Prefab shed including cladding and louvers etc., - incl Canopy	1				18.69	MT	135000	2523150	2523150.00	
c	Sky lights	1				12.46	Sqm	1,500	18,690	18690.00	
d	Turbovents	1				3.00	Nos.	8,500	25,500	25500.00	
e	Sump for Waste Water Collecton from Vehicle Workshop	1				1.00	LS	127111	1,27,111	1,27,111	
2 Liquid Waste Sotrage Shed											
a	Civil Works	2	75.46	49.21		7427.10	Sft	725.00	5384646.186	2692323.09	2692323.09
b	Prefab shed including cladding and louvers etc., - incl Canopy	2				25.88	MT	135000	6987600.00	3,493,800.00	3493800.00
c	Sky lights	2				17.25	Sqm	1,500.00	51750.00	25,875.00	25875.00
d	Turbovents	2				8.00	Nos.	8,500.00	136000.00	68,000.00	68000.00
e	Sump for Waste Water Collecton	2				1.00	LS	127,111.00	254222.00	127,111.00	127111.00
3 Solid waste receipt area											
a	Civil Works	2	75.46	49.21		7427.10	Sft	725.00	5384646.186	2692323.09	2692323.09
b	Prefab shed including cladding and louvers etc., - incl Canopy	2				25.88	MT	135000.00	6987600.00	3493800.00	3493800.00
c	Sky lights	2				17.25	Sqm	1,500	25,875	12937.50	12937.50
d	Turbovents	2				8.00	Nos.	8,500	136000.00	68000.00	68000.00
e	Sump for Waste Water Collecton	2				1.00	LS	127111	254222.00	127111.00	127111.00
4 Blended Solid Waste Storage Shed											
a	Civil Works	1	82.02	65.62		5381.96	Sft	550.00	2960075.36	2960075.36	-
b	Prefab shed including cladding and louvers etc., - incl Canopy	1				37.50	MT	13500.00	506250.00	506250.00	-
c	Sky lights	1				25.00	Sqm	1,500.00	37,500	37500.00	-
d	Turbovents	1				8.00	Nos.	8,500.00	68,000	68000.00	-


e	Sump for Waste Water Collecton	1				1.00	LS	127111	127,111	127111.00	
3	Solid Waste Blending Shed										
a	Civil Works	6	65.62	32.81		12916.69	Sft	850.00	10979188.63	5489594.31	5489594.31
b	Prefab shed including cladding and louvers etc., - incl Canopy	6				15.00	MT	135,000.00	12150000.00	6075000.00	6075000.00
c	Sky light	6				10.00	Sqm	1,500.00	90000.00	45000.00	45000.00
d	Turbovents	6				8.00	Nos.	8,500.00	408000.00	204000.00	204000.00
e	Fugitive Emission System for AFRF - Civil Works	6				1.00	LS	745,025.00	4470150.00	2235075.00	2235075.00
f	Sump for Waste Water Collecton	6				1.00	LS	127,111.00	762666.00	381333.00	381333.00
4	Solid Waste Storage Shed										
a	Civil Works	2	49.21	44.29		4359.38	Sft	900.00	3923445.347	1961722.67	1961722.67
b	Prefab shed including cladding and louvers etc., - incl Canopy	2				15.19	MT	1,500.00	45570.00	22785.00	22785.00
c	Sky light	2				10.13	Sqm	4,300.00	87118.00	43559.00	43559.00
d	Turbovents	2				8.00	Nos.	500.00	8000.00	4000.00	4000.00
e	Fugitive Emission System for AFRF - Civil Works	2				1.00	LS	745,025.00	1490050.00	745025.00	745025.00
f	Sump for Waste Water Collecton	2				1.00	LS	127,111.00	254222.00	127111.00	127111.00
5	Non-Hazardolus Waste Crushing, sorting, Bailing & Receipt, Stocking Area										
	Civil works	1.00	49.21	88.58		4359.38	Sft	1,000.00	4359383.72	4359383.72	
	Prefab shed	1.00				30.38	Kg	135000	4101300.00	4101300.00	
	Skylights	1.00				20.25	Sqm	1,500	30,375.00	30375.00	
	Turbo vents	1.00				4.00	Each	8,500	34,000.00	34000.00	
	Waste Water Collection Tank	1.00				1	LS	127111	127,111.00	127111.00	
6	Vermi Compost Preparation Area Platform	1.00				500.00	Sqm	2,787	1,393,500.00	1393500.00	
	Waste Water Collection Tank	1.00				1	LS	1,27,111	1,27,111	1,27,111	
7	Leachate Collection Tank - 100 KL	1.00				1	LS	14,50,617	14,50,617	14,50,617	
8	CC Road										
	CC Road - SFRCC M25 - 175mm thick	1	625.00	7.00		4,375.00	sqm	2,650.00	11593750.00	11593750.00	
	Truck Parking	1				825.00	sqm	2,650.00	2186250.00	2186250.00	
	Pavement : Supply & Fixing										
9	Pavement Tiles/blocks:	1				1,000.00	sqm	2,000.00	2000000.00	2000000.00	
10	Storm Water Drain										
a	Rectangular Drain	1	1,250.00	1.00	1,250.00	rmt	3,800.00	4750000.00	4750000.00	4750000.00	
b	Cover slab at entrances of the following units										
	MRF Cum Compost Shed at AFRF Shed	1		25.00		rmt	1,500	37500.00	37500.00	37500.00	
	at General Stores & Vehicle Maintenance Shed	1		20.00		rmt	1,500	30000.00	30000.00	30000.00	
	Storage Sheds	1		23.00		rmt	1,500	34500.00	34500.00	34500.00	
11	Pipe culverts for storm water - 600mm dia -1No	10		1.00		LS	84,000	84000.00	84000.00	84000.00	
	Sub Total Main Infrastructure								107310388.11	77174902.44	30135485.67

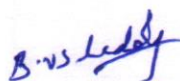
C Supporting Infrastructure											
1	Entrance / Exit Gate	2			1.00	LS	1,80,854	361708	361708.00	361708.00	
2	Security Room	1	3.46	3.46	11.97	sqm	33,669	403072	403072.00	403072.00	
3	Underground Sump	1			1.00	LS	3,38,626	338626	338626.00	338626.00	
4	Weighbridge Room	1	3.46	3.46	11.97	sqm	33,669	403072	403072.00	403072.00	
5	Weigh Bridge Platform- (12.00x 3.00m)	1			1.00	LS	8,74,005	874005	874005.00	874005.00	
6	Admin,	1	20.01	28.07	561.54	sqm	31,784	17847998	17847998.00	17847998.00	
7	Lab	1	23.00	11.00	253.00	sqm	22,752	5756256	5756256.00	5756256.00	
8	Security Department Building	1	11.46	3.46	39.65	sqm	33,628	1333404	1333404.00	1333404.00	
9	Vehicle Tyre Wash - Mechanized	1			1.00	Ls	13,00,807	1300807	1300807.00	1300807.00	
10	Sample Collection Platform	1			1.00	LS	1,44,059	144059	144059.00	144059.00	
11	Shed for Sample Collection	1			1.00	LS	1,12,059	112059	112059.00	112059.00	
12	Scooter Parking - 40.00 x 3.00	2			1.00	LS	12,39,419	2478839	2478839.00	2478839.00	
13	Car Parking - 18.00 x 5.00m -	2			1.00	LS	4,70,599	841199	841199.00	841199.00	
14	Fire Hydrant & Water Storage Tank & Pump House	1			1.00	LS	26,93,764	2693764	2693764.00	2693764.00	
15	Pedestals for Fire Line	238			1.00	LS	4,595	1091313	1091313.00	1091313.00	
16	Greenbelt	1			7,042.96	Sqm	150	1056444	1056444.00	1056444.00	
17	Compound Wall - (RCC Frame & Brick wall)	1			111.10	rmt	11,242	1248986	1248986.00	1248986.00	
18	Precast Compound Wall	1			495.30	rmt	2,830	1401699	1401699.00	1401699.00	
19	Workers Wash Rooms	1	11.00	3.00	33.00	sqm	33,628	1109724	1109724.00	1109724.00	
19	Electrical Panel Room	1	9.46	6.46	61.11	sqm	34,718	2121673	2121673.00	2121673.00	
20	Meter Room	1	4.46	4.46	19.89	sqm	29,116	579164	579164.00	579164.00	
21	CAAQMS Room	1	3.46	3.46	11.97	sqm	33,669	403072	403072.00	403072.00	
22	Water supply & Sanitary System (Bore well, Water Supply Line Internal & External, HDPE Tanks, Septic Tank, Soak pit, Internal and external sanitary Lines, etc.,)	1			1.00	LS	25,00,000	2500000	2500000.00	2500000.00	
	Sub-Total TSDF Supporting infrastructure								46400943.00	46400943.00	0.00
II Electrical Works											
	HT & LT Works - electrical panels, Distribution Boards, Internal and External electrification, DG set, Transformer, Substation, Cables, laisioning charges, deposits etc.,								5000000.00	5000000.00	
	Sub Total - Electrical Works								5000000.00	5000000.00	
Electrical - Civil Works											
1	Electrical Street Light Pole Foundation	21.00			1.00	Nos.	13,592		285432.00	285432.00	
2	Cable Trench : Excavation and backfilling for cable trench - 600 x 750mm + 100mm thick sand cushion & brick layer.	1			625.00	rmt	465		290625.00	290625.00	
3	Transformer Yard	1		6.00	84.00	sqm	5,718		480312.00	480312.00	

4	Pipe culverts for electrical wires with chambers 300mm dia -2 Nos.	8			1.00	LS	1,36,000		1088000.00	1088000.00	
Sub Total - Electrical - Civil Works									2144369.00	2144369.00	
Sub Total Electrical Works									7,144,369.00	7,144,369.00	


III MECHANICAL Works											
1	Fugitive Emission Control system	4			1.00	LS	5000000	20000000.00	10000000.00	10000000.00	
2	Shredder 2 TPH - AFRF	2			1.00	LS	7500000	15000000.00	7500000.00	7500000.00	
3	Laboratory equipment including glass ware and Chemicals - Comprehensive laboratory	1			1.00	LS	12000000	12000000.00	12000000.00		
4	12x3m 50 Ton VTC 205 Concrete Weighbridge	1			1.00	LS	1200000	1200000.00	1200000.00		
5	Pumps and piping network for Leachate Transfer	1			1.00	LS	1500000	1500000.00	1500000.00		
6	CAAQMS - Equipment	1			1.00	LS	4500000	4500000.00	4500000.00		
6	Fire Fighting Hydrant System, 1. Fire hydrant pumps 2280 LPM, 70 Mtrs Head- 2 Nos, 180 LPM jockey pump- 1 No 2. Fire hydrant line (950 Mtrs) along with hydrant valves, hose reels. 3. Sprinkler system (Sheds Admin Building) 4. Fire alarm system 5. Fire extinguishers	1			1.00	LS	9000000	9000000.00	9000000.00		
7	MSW Processing										
a	Organic Composting Machine - 1000 KG	1			1.00	LS	20000000.00	20000000.00	20000000.00		
b	Hopper, Horizontal Conveyor for manual screening	1			1.00	LS	1500000.00	1500000.00	1500000.00		
Sub Total Mechanical Works								84700000.00	67200000.00	17500000.00	

C Earth Moving Equipment											
1	Back Hoe Loader	1			1.00	LS	2542373.00	2542373.00	2542373.00		
2	Ex-110 with Dozing attachment	1			1.00	LS	3559322.00	3559322.00	3559322.00		
3	Truck (Tipper) - 10 cum	2			1.00	LS	2542373.00	5084746.00	5084746.00		
4	Tractor Tanker & Trailer	1			1.00	LS	1016949.00	1016949.00	1016949.00		
5	WorkShop Tools and Tackles	1			1.00	LS	2000000.00	2000000.00	2000000.00		
Sub Total Equipment								14203390.00	14203390.00		
Grand Total Amount in INR								267594667.61	219959181.94	47635485.67	


Sr. Project Engineer


Env-Engg


PE/Elec.


DM(E)


ZM