

Annexure IV-Data Assessment of Solid Waste in the State of Goa, Pernem Taluka (North Goa)

Sr.No.	V.P	Area name	Area in sq kms	Wards	Population density /sq km	Population	Total Waste generated kg/d	Kg/capita/d	Dry actually collected in kg/d	Wet waste actually collected	Dry Waste Sorting centre	Material Recovery Facility	Organic Waste Composter	Training & Awareness		Garbage mgmt Funds in LaKhs	Waste Disposal committee	Waste Mgmt Plan	Personal Protection Equipment provided	Waste transporting vehicles	Leachate collection facility	Waste handling contractors	Bins	Black spots	Calibrated weighing devices	Form III	Form IV	legacy dump	
														Public	Waste Collection Team														
1		Mandrem	18.89	11	584.966	11050	n.s	nil	400	-	no	no		in schools by GWM C, through loudspeakers in all wards and through school gathering	yes through GWMC to contractor	n.s.	yes	yes	yes	door to door collection by 4 nos workers in household once in a week, stored temporarily commercial establishment both dry and wet by contractor of GWMC sent to Saligao plant.	no	no	no	3	no	na	yes	no	

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2	V.P.	Morjim	9.970	9	678.03	6760	1690	0.25	1594	-	No	No	yes	Yes	15	Yes	Yes	Yes	n.s.	No	02 No, not by VP	No	2	No	No	Yes	Nil	
3	V.P.	Arambol	9.190	9	652.775	5999	2500	0.416736123	2276	-	No	No	Yes	yes	7	Yes	Yes	Yes	Yes-n.s	No	Vency D'Souza	No	3	No	NA	Yes		
4	V.P.	Parcem	10.438	7	443.3	4627	280	0.060514372	42	Nil	-	No	No	Yes	yes	No	Yes	Yes	Yes	02 Bicycles & 01 hired pickup	No	Nil	Only provided to temples & 1 ^o school	1	No	NA	Yes	
5	V.P.	Alorna	21.845	7	121.355	2651	11	0.004149378	10	Nil	-	No	No	Yes	yes	No	Yes	Yes	Yes	01-Hired pickup	No	Nil	Yes	Nil				
6	V.P.	Amberem	not submitted																									
7	V.P.	Cansarvornem(Casarvarnem)	10.0	5	138.2	1382	340	0.24602026	8	Nil	-	No	No	Yes	No	3	Yes	Yes	Yes	Hired rickshaw	No	No	No	Nil	No	NA	Yes	Nil
8	V.P.	Casnem	not																									
10	V.P.	Chandel	6.890	5	299.9	2066	500	0.242013553	15	Nil	-	No	No	Yes	Yes-No	n.s	Yes	Yes	No	No	No	No	No	Nil	No	No	Yes	
11		Hasapur																										
12	V.P.	Agarvado	4.8341	7	671	3243	54.5	0.016819443	30	Nil	-	No	No	Yes	Yes	n.s	Yes	Yes	Yes	bicycle	No	No	Only to	2	No	NA	Yes	
13		Chopdem																										

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14	V.P.	Corgao	20.540	9	323.2	6639	1659	0.249887031	65	Nil	_	No	No	Yes	No	2	Yes	Yes	No	Two wheeler	No	Nanu Construction		Nil	No	NA	Yes		
15	V.P.	Dargalim	17.528	9	325.0	5696	153	0.026860955	153	Nil	_	No	No	Yes	yes	n.s.	Yes	Yes	Yes	02 Hired vehicles	No	No	No	2	No	NA	Yes		
16	V.P.	Ibrampur	6.740	7	325.0	2429	n.s		16	Nil	_	No	No	Yes	Yes	n.s.	Yes	Yes	Yes	Hired pick up	No	No	No - only	2	No	Yes	Yes	Nil	
17		Hankhane																											
18	V.P.	Ozorim	7.474	5	223.3	1669	12	0.007189934	6	Nil	Y	No	No	Yes	yes	n.s	Yes	Yes	Yes		No	No	Yes	4	No	NA	Yes		
19	V.P.	Paliem	5.092	7	545.1	2776	45.45455	0.016374116	25	Nil	_	No	No	Yes	Yes	No	Yes	Yes	Yes	Hires pickup	No	Nil	Yes	Nil	No	NA	Yes		
20	V.P.	Poroscodem	5.092	7	479.9	2444	600	0.245499182	25	Nil	_	No	No	Yes	No	n.s.	Yes	Yes	No	Hired Vehicle	No	Nil	No	Nil	No	Yes	Yes		
21		Amere																											
22		Khajane																											
23	V.P.	Querim	3.938	7	823.6	3243	n.s		30	Nil	_	No	No	Gram Sabha and	Yes	5	Yes	Yes	Yes	2 tricycles and	No	Nil	No	Nil	No	NA	Yes		
24		Tiracol																											
25	V.P.	Tamboxem Mopa Uguem	0.15	7	21106.7	3166	n.s	nil	6	-	-	no	no	discussed in gram sabha	no	-	yes	yes	yes	1 no. worker	no	nil	no	2 nos.	no	na	yes	nil	

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26	V.P.	Torxem	9.9571	7	241.536	2405	n.s.	nil	18.5	-	-	no	no	rallies through school students. Discussed in gram sabha	no	-	yes	yes	yes	3 nos. workers hired pickup	no	nil	no	3	no	na	yes	nil
27	V.P.	Tuem	15.234	7	199.5	3039	38	0.012504113	32	Nil	-	No	No	Yes	yes	n.s	Yes	Yes	Yes	Bicycle & rented rickshaw	No	Nil	No	2	No	No	Yes	
28	V.P.	Uguem	3.433	7	1275	4377	656.55	0.15	27.6	Nil	Yes	No	No	No	No	n.s.	Yes	Yes	Yes	Two wheeler	No	Nil	No	Nil	No	Yes	Yes	
29	V.P.	Warkhand-Nagzar (Varconda)	11.269	7	200.5	2259	45.45455	0.020121534	25	Nil	-	No	No	Yes	Yes	n.s	Yes	Yes	Yes	02 hired pickup	No	Nil	Yes	Nil	No	No	Yes	Nil
30	V.P.	Virnora (Virnoda)	11.40	7	272.8	3110	750	0.241157556	14	Nil	-	No	No	Yes	No	3	Yes	Yes	No	Nil	No	Nil	No	Nil	No	No	Yes	Nil
Total			210	153	29931	81030	9335	2								35							24					
Average			10	7	1425	3859	583	0.138								6							2					
Max			22	11	21107	11050	2500	0.417								15							4					
Min			0	5	121	1382	11	0.004								2							1					

Note:

- wherever wet waste is mentioned as Nil it is informed to be self-composted/ in-house composted.
- "Yes" in MRF indicates Goa State Pollution Control Board Approval is available.

*For details refer CMMG template

Single dwelling units	Restaurants	Hotels	Comm Est	Rented Rooms	Mkt Area	Multidwelling	Street vendors	Hoardings	Wedding venues	Institutes	Others
SDU	R	H	CE	RR	M	MD	SV	HD	WV	I	
2597	27	1	492	938	0	0	0	0	3	3	
1661	102	2	84	424	0	0	0	0	2	2	
1157	0	0	90	0	0	0	0	0	0	9	
452	0	0	15	0	0	0	0	0	0	6	
296	0	0	0	0	0	0	0	0	0	0	
554	2	7	172	0	1	3	0	6	1	10	

MATERIAL RECOVERY FACILITY CAPACITY*							
Waste generation @.54kg/capita/day	Estimated generation of dry waste @0.297kg	Vol. of storage for recyclable waste for 7 days in (m3)	3. Area req. for storage (m2)	Vol. of storage for baled waste for 7 days in (m3)	6. Storage area for baled waste(m2)	Total area required for MRF in m2 (1+2+3+4+5+6+7)	Remarks
5967	3281.85	22.97295	15.3153	68.91885	45.9459	195.2612	Both dry and wet waste collected

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3650.4	2007.72	14.05404	9.36936	42.16212	28.10808	171.4774	Both dry and wet waste collected
3239.46	1781.703	12.47192	8.314614	37.41576	24.94384	167.2585	Both dry and wet waste collected
2498.58	1374.219	9.619533	6.413022	28.8586	19.23907	159.6521	only dry collected
1431.54	787.347	5.511429	3.674286	16.53429	11.02286	148.6971	only dry collected.
746.28	410.454	2.873178	1.915452	8.619534	5.746356	141.6618	wet waste is not collected by Village Panchayat
1115.64	613.602	4.295214	2.863476	12.88564	8.590428	145.4539	wet waste is not collected by Village Panchayat
1751.22	963.171	6.742197	4.494798	20.22659	13.48439	151.9792	only dry waste collected

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3585.06	1971.783	13.80248	9.201654	41.40744	27.60496	170.8066	
3075.84	1691.712	11.84198	7.894656	35.52595	23.68397	165.5786	only dry waste collected
1311.66	721.413	5.049891	3.366594	15.14967	10.09978	147.4664	only dry waste collected
901.26	495.693	3.469851	2.313234	10.40955	6.939702	143.2529	only dry waste collected
1499.04	824.472	5.771304	3.847536	17.31391	11.54261	149.3901	only dry waste collected
1319.76	725.868	5.081076	3.387384	15.24323	10.16215	147.5495	wet waste not collected by Village Panchayat
1751.22	963.171	6.742197	4.494798	20.22659	13.48439	151.9792	only dry waste collected
1709.64	940.302	6.582114	4.388076	19.74634	13.16423	151.5523	

