

SOLID WASTE MANAGEMENT ASSESSMENT

Taluka	NORTH AND SOUTH GOA	Area in sq kms	Wards	Population density /sq km	Population	Total Waste generated kg/d	Dry actually collected in Kg/d	Wet waste collected in Kg/d	Dry Waste Sorting centre	Material Recovery Facility	Cap in Kg/d	Area in sq mts	OWC	Type	Cap in Kg/d	Area in sq mts	Training & Awareness		Garbage mgmt Funds in Lacs	Waste Dispos al commit te	Waste Mgmt Plan	Persona I Protecti on Equipm ent provide d
																	Publi c	Waste Collec tion Team				
Bardez	Mapusa Municipal Council	11.44	20	3495.541958	39989	25000	25000	Yes	Yes- Author ization under renew al	Existi ng 8000, Existi ng 560 Propo sed:874	1600	4	Yes- Authoriza tion under renewal	composting pits	77440	970.5	Yes	Yes	807.8	Yes	Yes	Yes

Bicholim	Bicholim Municipal Council	14.5	12	1171.448276	16986	6.5	1.74	3.85	yes	yes	4.00	400	yes, authorization is valid upto 28/1/2013, this council has applied for authorization vide letter dated 4/4/2018	composting by windrows method	4.00	400	Yes	yes	n.s.	yes	yes	yes
	Sanquelim Municipal Council	16	13	815.1875	13043	7000	7000		Yes	No	No	NA	Yes	Windrows	500	30	Yes	Yes	10	Yes	Yes	Yes
Pernem	Pernem Municipal Council	16	10	313.8125	5021	n.s	600		Yes	YES	60	220	Yes-Renewal	Windrows	540 Kgs	220	No	Yes	n.s.	Yes	Yes	Yes
Sattari	Valpoi Municipal Council	12	10	711	8532	3827	4500		Yes	No	1500	250	applied for renewal	Windrows	1500	250	Yes	Yes		Yes	Yes	yes
Tiswadi	Panaji Municipal Corporation	8.12	30	4928.20197	40017	50000	7000	35000	Yes	yes	7000	1000	Yes	Windrow	18500	2988	Yes	Yes	not opening	Yes	Yes	Yes
Salcette	Margao Municipal Council	16.8	25	5952.380952	100000	50000	20,000	27,860	-	Yes	5	200	yes	Windrow	75	53000	Yes only schhols	Yes	N.s.	Yes	Yes	Yes
	Cuncolim Municipal Council	28.69	12	579.400488	16623	3300	3300		-	No	-	-	Yes-No Authorization	Windrow	10000	n.s.	Yes	Yes	-	Yes	Yes	Yes

Ponda	Ponda Municipal Council	5.12	15	4426.5625	22664	13300	5800	7500	Yes	Yes	n.s	200	No	Windrow	14	-	Yes	No	300	No (last MoM dtd 04/01/2015)	Yes	Yes
Marmugao	Mormugao Municipal Council	24	25	6440.041667	154561	36000	36000		Yes	Yes	8000	4000	Yes -Not Authorize	Biogas plant	5000	5000	No	No	268	Yes	No	Yes
Quepem	Curchorem-Cacora Municipal Council	22.6	14	654.6460177	14795	22000	8000	-	N.s.	No	-	-	No	Aerobic composting	52.13	2000	No	Yes	N.s.	Yes	Yes	Yes
	Quepem Municipal Council	14.41	11	1025.468425	14777	4000	4000		Yes	Yes	4	2075	Yes	Windrow	2.5	20775	Yes	Yes	n.s	Yes	Yes	Yes
Sangue m	Sanguem Municipal Council	4.92	10	1308.943089	6440	1500	1500		Yes	yes	-	no	Yes	Vermi composting	NA	No	No	No	n.s.	Yes	Yes	yes
Canacona	Canacona Municipal Council	18.69	10	761.3697164	14230	5000	5000		no	No	No	NA	Yes	NA	NA	4425	Yes	yes	90	Yes	Yes	Yes

Total	213	217	32,584	4,67,678	2,20,934
Avg	15	16	2,327	33,406	16,995
Max	29	30	6,440	1,54,561	50,000
Min	5	10	314	5,021	7

Waste transporting vehicles	Leachate collection facility	Waste handling contractors	Bins	Black spots	Corrective – Preventive action plan	Calibrated weighing devices	Form III	Form IV	Landfill	capacity	legacy dump	capacity in m3
Garbage Compactors x 02 Nos, Dome truck x 03 Nos, open trucks x 02 Nos, Rickshaw hopper x 06 Nos	Compactor Yes Other : No	Shantaram Yadav - cuncolem	Yes	14	Yes- Recurring	No	Yes	Yes	1 proposed at Cunchelim	na	1	127684.8

motorized vehicle	nil	yes, Sampurn (Earth) Environment Solution Pvt. Ltd.	yes	2	no	no	yes	yes	1	10450	3	3165.25
04 (Truck + Rickshaw + Xenon)	No		1 Yes	4		No	Yes	Yes	nil	-	1	1000 m2
04 pickups	No	Nil	Yes	1	cleared everyday	No	No	Yes	1	3000	1	210
4 pickups	No	Mohammad Hatyat	Yes	2	Yes-Recurring	Yes-1 MT	No	Yes	1	n.s	Nil	
35 vehicles	only compactors	Nil	Yes	9	Yes-Recurring	No	No	Yes	no	-	4	18552.77
17 vehicles including compactors	only compactors	-	For residential black bins are provided.	70	MMC asked to submit C-PA	-	No	Yes	Nil	NA	1	231239.76
Tata mini truck	No	Sampur earth	Yes	Nil	-	No	No	Yes	NO	NA	1	3117

18 Motorized vehicle	No	Nil	Yes	2	No	Yes	Yes	NO	NA	-	
5 Compactors/ 4 open trucks/7 Ace / handcarts	No- only compactors Yes	Bhagwale / Karan Kumar Kurien/Bapu Environm	Yes	19	No	No	Yes	Nil	na	1	83664.41
Rear loading , Tipper truck	Yes	No	Yes	No	-	No	Yes	Yes	No	NA	No
Yes	No	Nil	Yes	Nil	No	Yes	yes	No	NA	Nil	
2	No	Bapu Env Soc Service Org	Blac & Green	Nil	-	No	No	Yes	No	NA	Nil
Compactor and Ace and Rickshaw	No	Bapu Env Soc Service Org	-	7	No	NA	Yes	1	n.s.	1	493.21

Single dwelling units	Restaurants	Hotels	Comm Est	Rented Rooms	Mkt Area	Multidwelling	Street vendors	Hoarding	Wedding venues	Institutes	Others	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)
SDU	R	H	CE	RR	M	MD	SV	HD	WV	I								
15195	90	268	6409	0	14	244	1214	24	15	89		21594.1	11876.733	83.137131	55.42475	249.41139	166.274	355.699016

												9172.44	5044.842	35.313894	23.5426	105.94168	70.6278	228.170384
3339	65	74	1191	0	300	1402	0	2	5	5								
												7043.22	3873.771	27.116397	18.0776	81.349191	54.2328	206.310392
5163	9	25	908	0	2	37	138	0	7	12								
1217	0	0	0	0	0	0	0	0	0	0		2711.34	1491.237	10.438659	6.959106	31.315977	20.8773	161.836424
												4607.28	2534.004	17.738028	11.82535	53.214084	35.4761	181.301408
2357	0	27	378	0	0	1	0	0	5	28								
												21609.2	11885.049	83.195343	55.46356	249.58603	166.391	355.854248
25277	430	185	5854	4945	0	678	80	0	10	47								
9960	92	186	8835	0	12	17499	171	41	33	85								
												54000	29700	207.9	138.6	623.7	415.8	688.4
5543	30											8976.42	4937.031	34.559217	23.03948	103.67765	69.1184	226.157912
		1	423	1481	0	29	130	0	8	628								

												12238.6	6731.208	47.118456	31.4123	141.35537	94.2369	259.649216
1479	64	14	2142	666	1	500	9	0	15	31								
												83462.9	45904.617	321.33232	214.2215	963.99696	642.665	990.886184
22423	65	132	5674	4805	500	636	164	7	10	32								
												7989.3	4394.115	30.758805	20.50587	92.276415	61.5176	216.02348
5221	6	51	876	252	3	115	131	0	0	55								
												7979.58	4388.769	30.721383	20.48092	92.164149	61.4428	215.923688
6537	9	16	512	668	3	15	26	0	4	12								
												3477.6	1912.68	13.38876	8.92584	40.16628	26.7775	169.70336
1400	9	9	282	45	0	8	63	0	1	4								
												7684.2	4226.31	29.58417	19.72278	88.75251	59.1683	212.89112
3897	11	6	706	0	0	11	0	0	3	16								

1,09,008	880	994	34,190	12,862	835	21,175	2,126	74	116	1,044								
7,786	63	71	2,442	919	60	1,513	152	5	8	75								
25,277	430	268	8,835	4,945	500	17,499	1,214	41	33	628								
1,217	0	0	0	0	0	0	0	0	0	0								

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