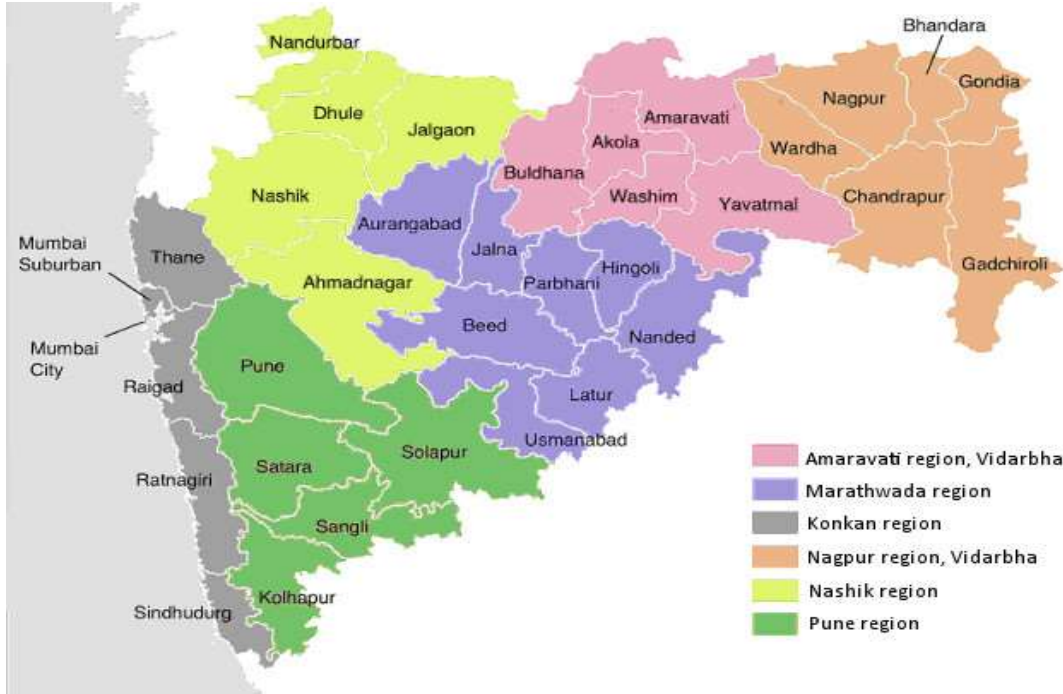


Annual Report on Solid Waste Management Rules, 2016. FOR THE STATE OF MAHARASHTRA



(2019)



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Kalpataru Point, Sion Circle, Sion (East),
Mumbai 400 022

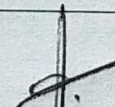
MAHARASHTRA POLLUTION CONTROL BOARD

ANNUAL REPORT - 2019

Form- V

PART A

To,
The Chairman
Central Pollution Control Board
Parivesh Bhawan, East Arjun Nagar
DELHI- 110 0032

1.	Name of the State/Union territory	MAHARASHTRA	
2.	Name & address of the State Pollution Control	Maharashtra Pollution Control Board, Sion, Mumbai.400022	
3.	Number of local bodies responsible for management of solid waste in the State/Union territory under these rules	1	Corporations 27
		2	Councils 236
		3	Nagar Panchayat 124
		Total ULBs 387	
	4	Cantonment Boards	07
4.	No. of authorization application Received	117	
5.	A Summary Statement on progress made by local body in respect of solid waste management	Annexure-I Attached	
6.	A Summary Statement on progress made by local bodies in respect of waste collection, segregation, transportation and disposal	Annexure-II & IIA Attached	
7.	A Summary statement on progress made by local bodies in respect of implementation of Schedule II	Annexure-III Attached	
	Date: 29/07/2020	 (E. Ravendiran, IAS) Member Secretary Maharashtra State Pollution Control Board	
	Place: Mumbai		

Annex-I

**A SUMMARY STATEMENT ON PROGRESS MADE BY LOCAL BODY
IN RESPECT OF SOLID WASTE MANAGEMENT**

Maharashtra is one of the highest urbanized states with nearly 50% population residing in urban areas.

Classification of Cities:

No.	Name	Statistic
1	Municipal Corporations	27 Cities
2	Municipal Councils	236 Cities
3	Nagarpanchayat	124 Cities
4	Total Number of ULBs	387
	Total SW Generated By ULBs	22848 TPD
5	Total Cantonment Boards	05
6	Total SW Generated By Cantonment Boards	96.5
	Gross Solid Waste Generation (ULBs+ Cantonment Boards)	22945 TPD

The solid waste generated by Corporations is 19050.11 MT/Day with share of 83.02 % while generation by “A” class council is 1028.00 MT/Day with share of 4.48 %, “B” class council generates 1276.92 MT/Day with share of 5.53 %, “C” class council generates 1051.96 MT/Day with share of 4.58 %, Nagar Panchayats generates 450.766 MT/Day with share of 1.96 % and Cantonment Boards contribution is 96.5 MT/day with a share of 0.42 %.

Solid Waste Management Status Summary:

Total Number of ULBs	Total Waste Generated (MT/D)	Total Waste Collected (MT/D)	Total Waste Scientifically Treated (MT/D)
387 ULBs+ 5 CB	22945	22682.81 (98.85 %)	16037 (70.00%)

Percentage of solid waste treatment is increased from 53 % to 70.00 %. i.e 17.00 % as compared to last year Treatment percentage.

Total 16037 MT/Day Solid Waste is treated/processed by ULBs by adopting waste treatment technologies achieving overall 70.00 % average treatment. The remaining solid waste find its way for unscientific disposal/dumping. Overall average waste segregation is 74.46 % and overall solid waste transportation is 96.45 %.

The state has positively adopted the SWM Rules 2016 in totality and is working towards scientific management of solid waste in ULBs of the state. The state has a robust solid waste management policy in accordance with the Solid Waste Management Rules 2016 and lays stress on 100% segregation, collection transportation & processing of wet waste through composting, bio-methanization etc, Dry waste recycling, reuse and recovery through establishing Material Recovery facilities, Landfilling of inert, Processing of legacy waste through biomining.

ULBs are practicing segregation of waste at source and adequate provisions are made in Solid Waste Management DPRs for achieving 100% segregation of waste at source. ULBs in state are segregating waste into three categories wet, dry and domestic hazardous waste.

Processing of Waste:

Vehicles deployed for collection and transportation of waste have two compartments for dry and wet waste. Segregated waste is further segregated at processing facility and then scientifically processed. Maharashtra is the only state to have registered its own brand “**Harit Maha City Compost**” for promotion of marketing and sale of city compost which is as per the FCO standards and SWM Rules 2016.

Dry waste collected from the city is further segregated into paper, plastic, glass, metal etc. through secondary segregation process at transfer stations or the designated material recovery facility (MRF) in the city or at solid waste treatment facility. After secondary segregation of dry waste into paper, plastic, glass, metal etc. is being recycled through local sellers in the city, to recyclers in the region or to the waste processing plants in nearby metro cities through prescribed processes.

For treatment of dry waste technical options such as preparation of Refused Derived Fuel (RDF), use of plastic in roads, preparation of oil or granules from plastic etc. are also used in some municipal corporations.

ULBs have integrated rag pickers into formal system and involve them for recycling and recovery of waste. Rag pickers are provided with identity cards, basic facilities and personal protective equipment.

In the Mumbai region, Municipal Corporation of Greater Mumbai has mandated all bulk generator of solid waste i.e. having area greater than 5000 sq. Mtr to provide in-situ treatment of solid waste generated in their premises. This practice is resulted in reduction of waste generation.

Bio-mining of legacy waste

Many ULBs in state have accumulated legacy waste at processing facility due to absence of treatment facilities in past. Biomining of legacy waste has now been started in 203 cities where legacy waste was accumulated.

Maharashtra Pollution Control Board has prepared Region wise abstract showing a summary statement of all local bodies indicating class, populations, Quantum of Solid Waste generations, treatment, adopted technologies for solid waste treatment, source segregation percentage and transportation percentage as per form IV submitted by ULBs.

Region wise total number of ULBs statement is enclosed as **Annex-I**.

A Statement of Municipal Solid Waste generation and treatment in the State is enclosed with graphical representation as **Annex-II**. A Summary Statement on progress made by Cantonment Board (Army establishment) in respect of waste collection, segregation, transportation and disposal in the State of Maharashtra is enclosed as **Annex-II A**.

A Summary Statement on progress made by local bodies in respect of waste collection, segregation, transportation and disposal in the State of Maharashtra is enclosed as **Annex-III**.

MSW Annual Report For 2019**Annexure-I****STATUS OF ULB's (REGIONWISE ABSTRACT)**

Sr. No.	Name of Region	No. of ULBs
1	Aurangabad	79
2	Nashik	60
3	Nagpur	46
4	Pune	44
5	Chandrapur	43
6	Amravati	42
7	Kolhapur	38
8	Raigad	15
9	Thane	10
10	Kalyan	7
11	Navi Mumbai	2
12	Mumbai	1
Total		387

Number of ULBs Region wise

Regions	Corporations	Municipal Council "A" Class	Municipal Council "B" Class	Municipal Council "C" Class	Nagar Panchayats
Aurangabad	4	5	12	33	25
Nashik	5	2	14	24	15
Nagpur	1	3	7	17	18
Pune	3	3	7	21	10
Chandrapur	1	1	8	12	21
Amravati	2	1	14	15	10
Kolhapur	2	1	5	16	14
Raigad	1	-	1	8	5
Thane	3	-	2	1	4
Kalyan	3	2	-	-	2
Navi Mumbai	1	-	-	1	-
Mumbai	1	-	-	-	-
Total	27	18	70	148	124

Annexure-II

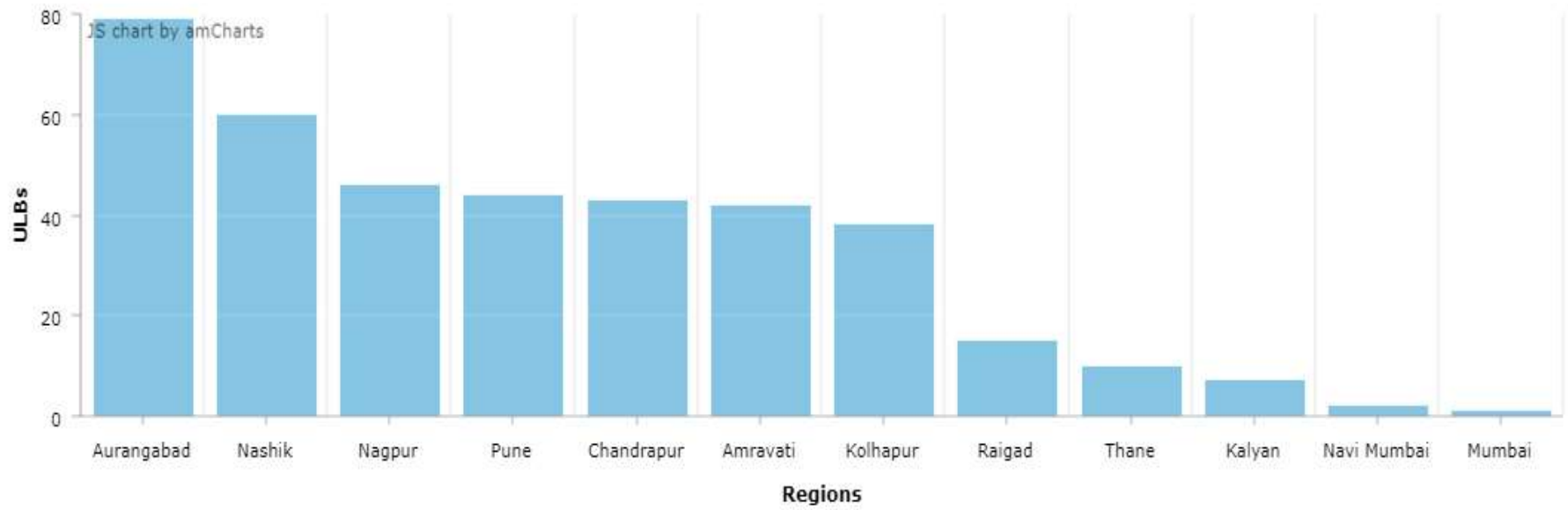
Region wise Solid Waste Generation by ULBs

Regions	Corporations	Municipal Council “A” Class	Municipal Council “B” Class	Municipal Council “C” Class	Nagar Panchayats
Aurangabad	990	256	157.1	247.44	93.52
Nashik	1292.11	88	272	185.07	79.71
Nagpur	1000	122	125.7	92.24	47.5
Pune	3300	115	174.7	173.58	48.2
Chandrapur	105	60	145.58	82.07	54.11
Amravati	512	33	239.84	91.73	33.5
Kolhapur	420	130	88	107.83	46.066
Raigad	450	-	28	56	28.82
Thane	2120	-	37	5	10.02
Kalyan	1450	224	-	-	9.32
Navi Mumbai	750	-	-	11	-
Mumbai	6661	-	-	-	-
Total	19050.11	1028	1267.92	1051.96	450.766

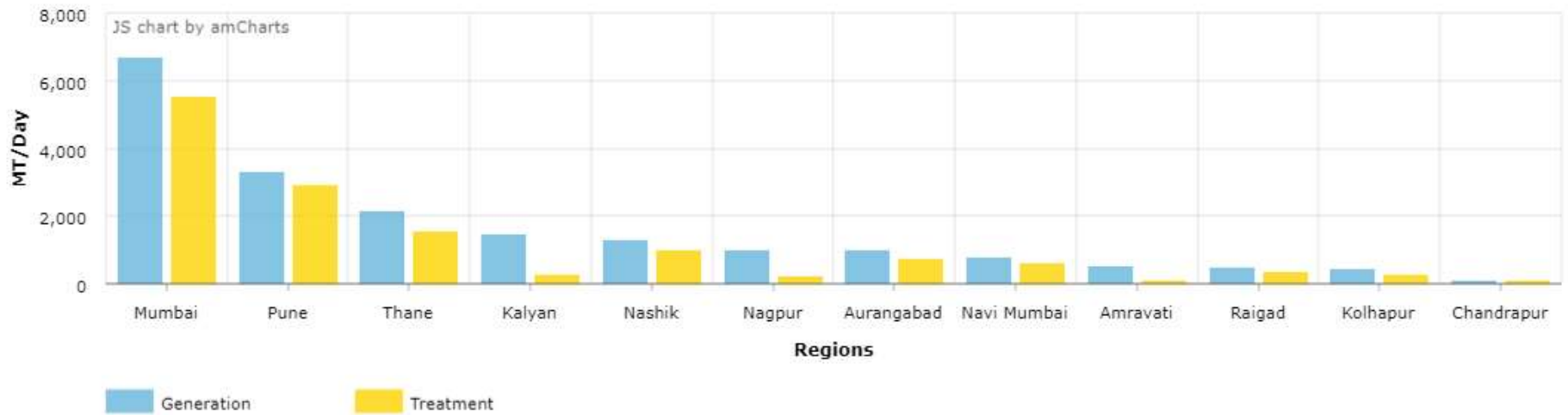
Region wise Solid Waste Treated/Processed by ULBs

Regions	Corporations	Municipal Council “A” Class	Municipal Council “B” Class	Municipal Council “C” Class	Nagar Panchayats
Aurangabad	718	153	122.595	140.04	52.22
Nashik	970.4725	52	203.95	119.81	51.66
Nagpur	200	70	91.7	62.46	31.6
Pune	2888	107.5	157.18	142.11	41.1
Chandrapur	90	39	94.3	56.92	23.89
Amravati	97	28	124.5	56	14.1
Kolhapur	273	75	85	85.61	33.31
Raigad	350	-	28	54.62	11.2
Thane	1539	-	18	3	3.82
Kalyan	243	64	-	-	2
Navi Mumbai	620	-	-	6.5	-
Mumbai	5500	-	-	-	-
Total	13488.4725	588.5	925.225	727.07	264.9

Total ULBs in the Region



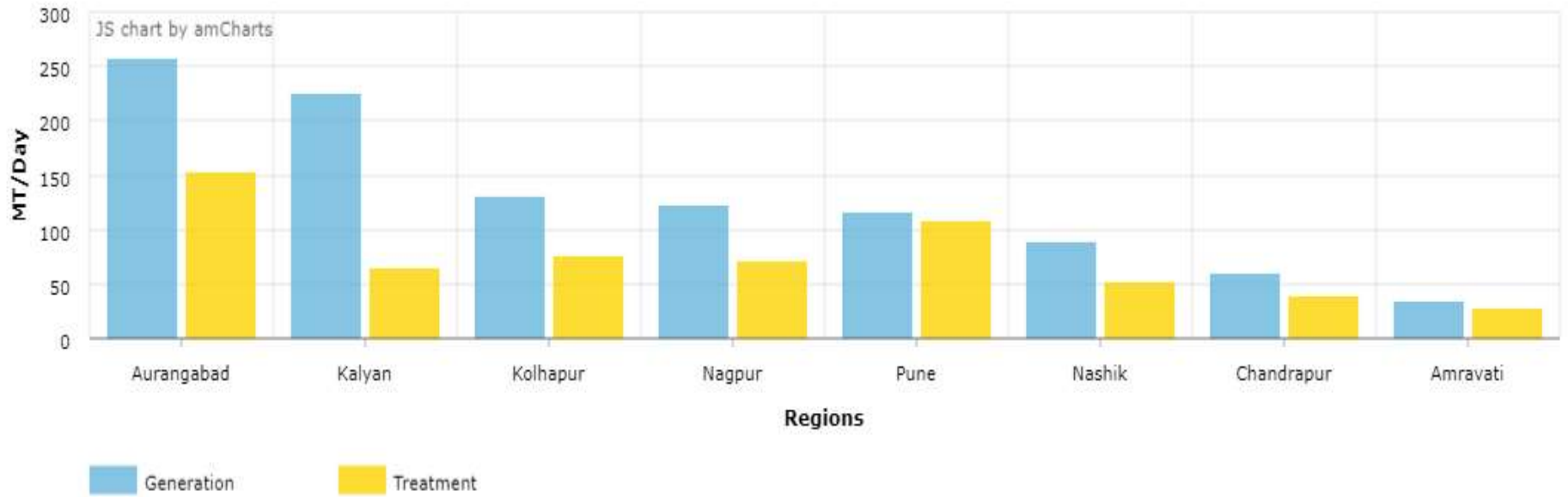
Regionwise solid waste Generation vs Treatment for Corporations



Regionwise solid waste Generation vs Treatment for Corporations

Regions	Generation	Treatment
Mumbai	6661	5500
Pune	3300	2888
Thane	2120	1539
Kalyan	1450	243
Nashik	1292.11	970.4725
Nagpur	1000	200
Aurangabad	990	718
Navi Mumbai	750	620
Amravati	512	97
Raigad	450	350
Kolhapur	420	273
Chandrapur	105	90

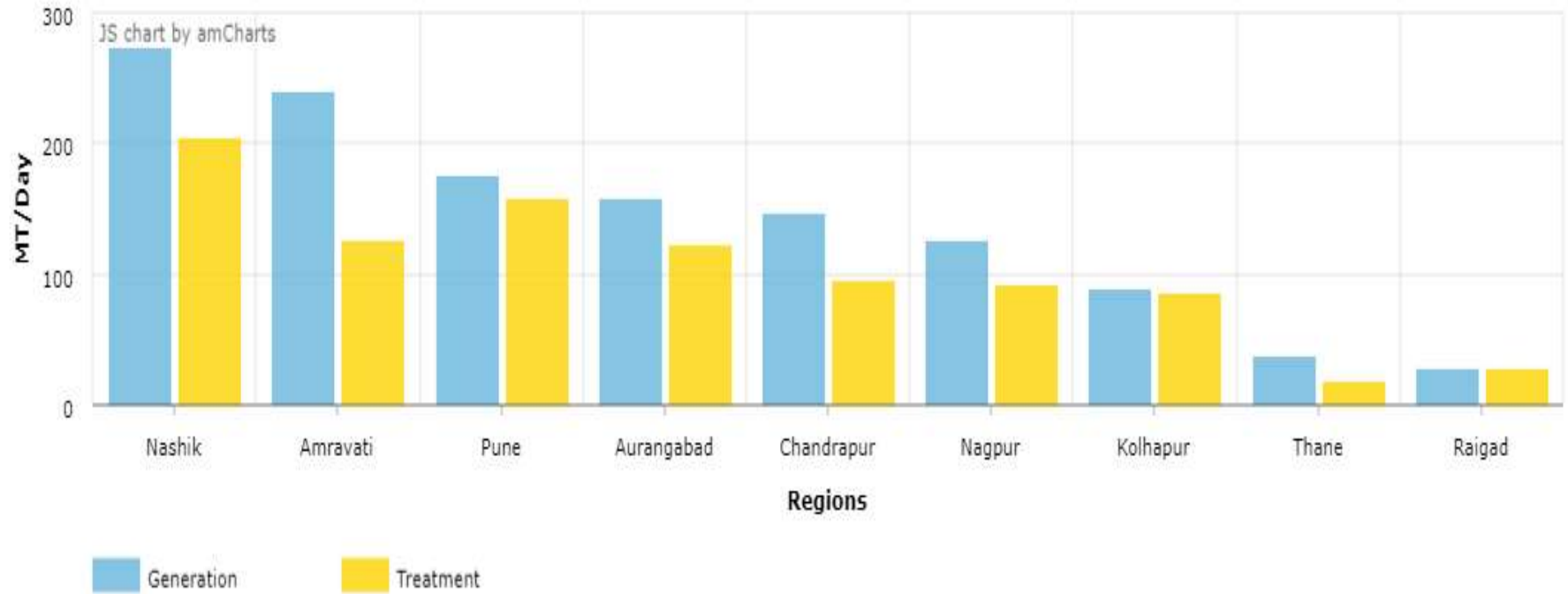
Regionwise solid waste Generation vs Treatment for A Class Council



Region wise solid waste Generation vs Treatment for A Class Council

Regions	Generation	Treatment
Aurangabad	256	153
Kalyan	224	64
Kolhapur	130	75
Nagpur	122	70
Pune	115	107.5
Nashik	88	52
Chandrapur	60	39
Amravati	33	28

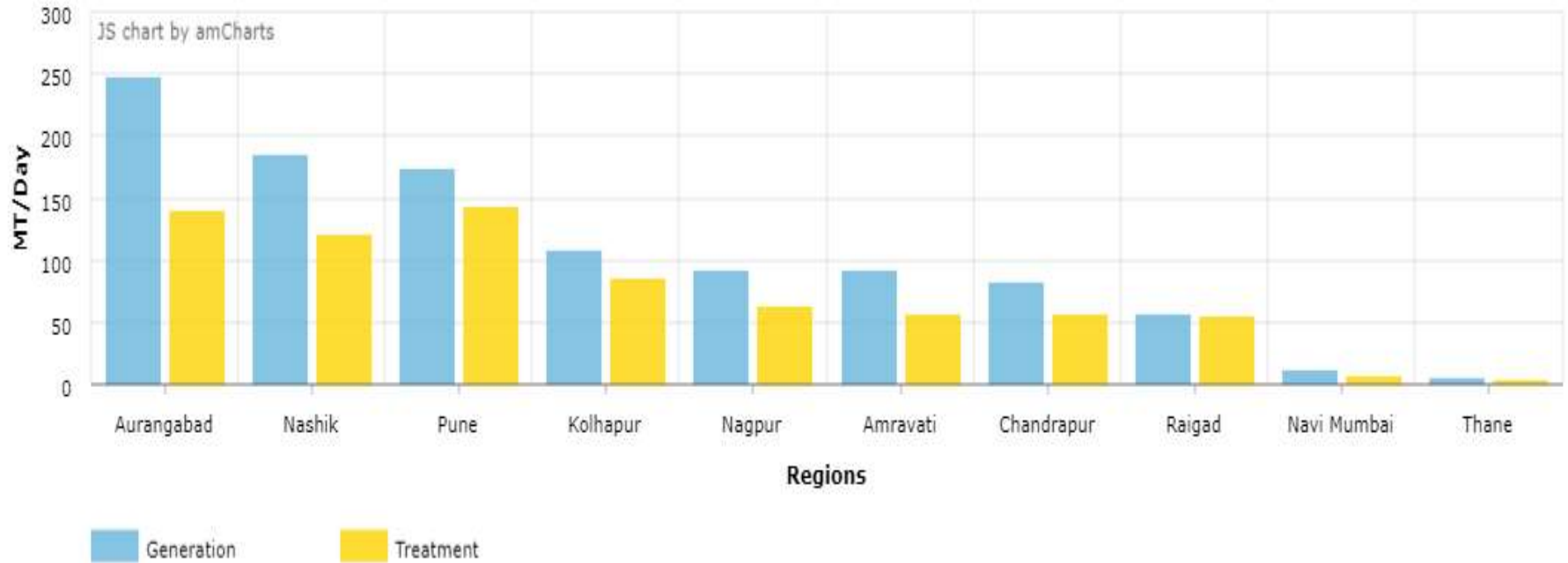
Regionwise solid waste Generation vs Treatment for B Class Council



Region wise solid waste Generation vs Treatment for B Class Council

Regions	Generation	Treatment
Nashik	272	203.95
Amravati	239.84	124.5
Pune	174.7	157.18
Aurangabad	157.1	122.595
Chandrapur	145.58	94.3
Nagpur	125.7	91.7
Kolhapur	88	85
Thane	37	18
Raigad	28	28

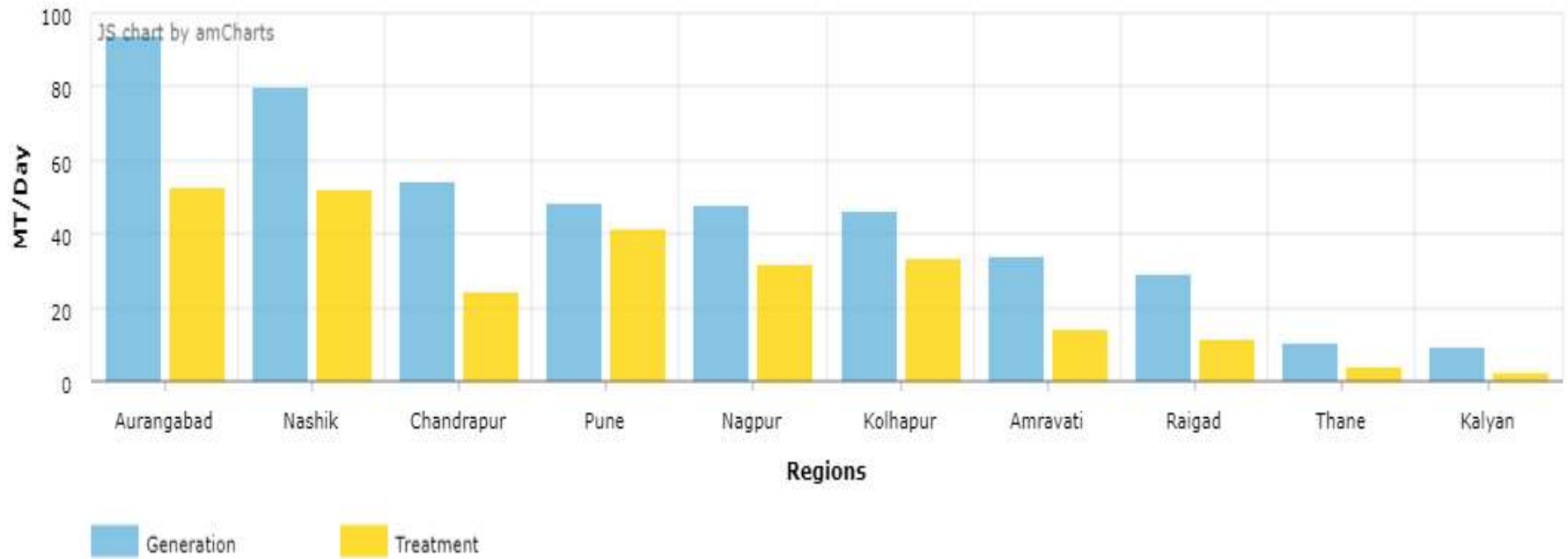
Regionwise solid waste Generation vs Treatment for C Class Council



Region wise solid waste Generation vs Treatment for C Class Council

Regions	Generation	Treatment
Aurangabad	247.44	140.04
Nashik	185.07	119.81
Pune	173.58	142.11
Kolhapur	107.83	85.61
Amravati	92.24	62.46
Nagpur	91.73	56
Chandrapur	82.07	56.92
Raigad	56	54.62
Navi Mumbai	11	6.5
Thane	5	3

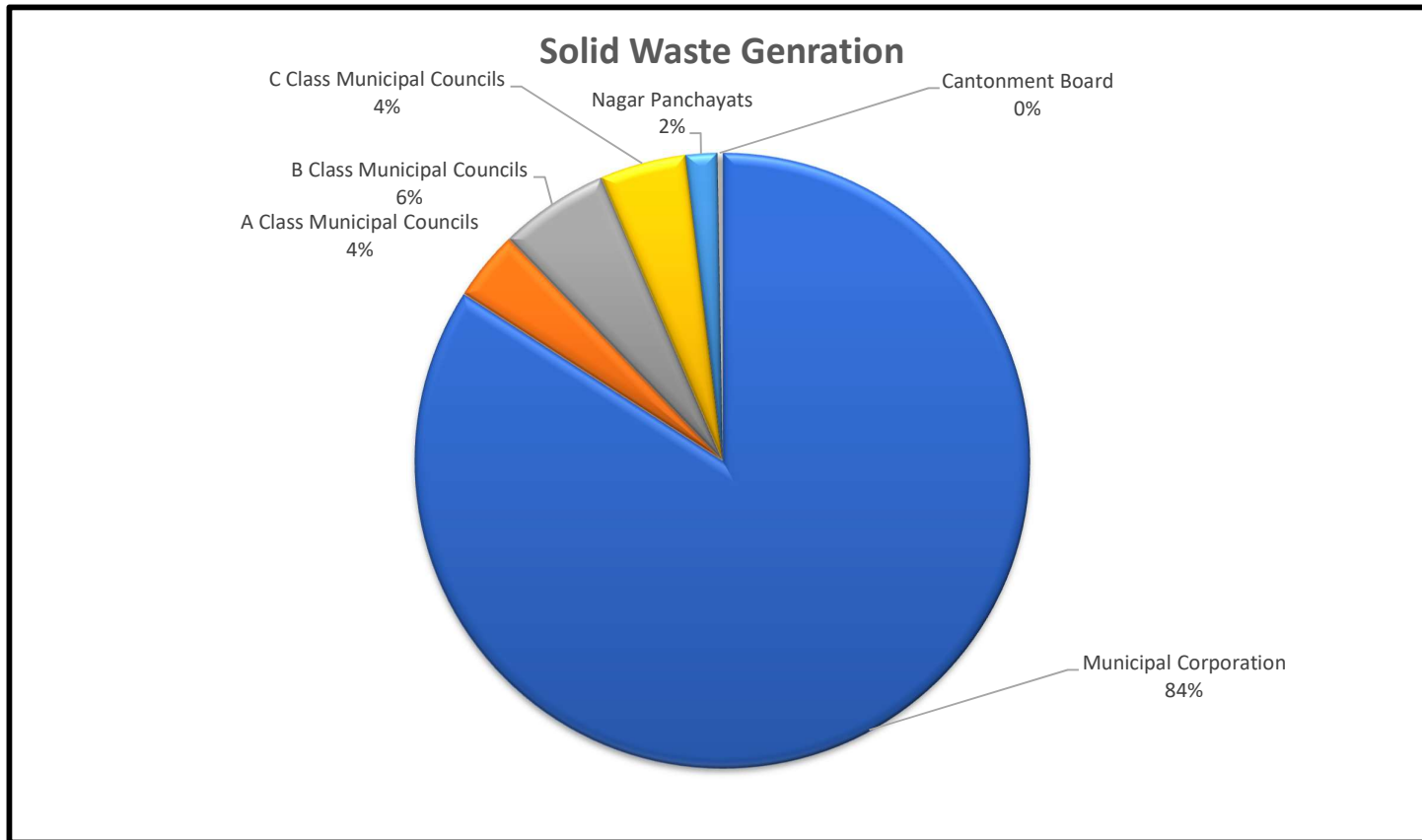
Regionwise solid waste Generation vs Treatment for Nagar Panchayats



Region wise solid waste Generation vs Treatment for Nagar Panchayats		
Regions	Generation	Treatment
Aurangabad	93.52	52.22
Nashik	79.71	51.66
Chandrapur	54.11	23.89
Pune	48.2	41.1
Nagpur	47.5	31.6
Kolhapur	46.066	33.31
Amravati	33.5	14.1
Raigad	28.82	11.2
Thane	10.02	3.82
Kalyan	9.32	2

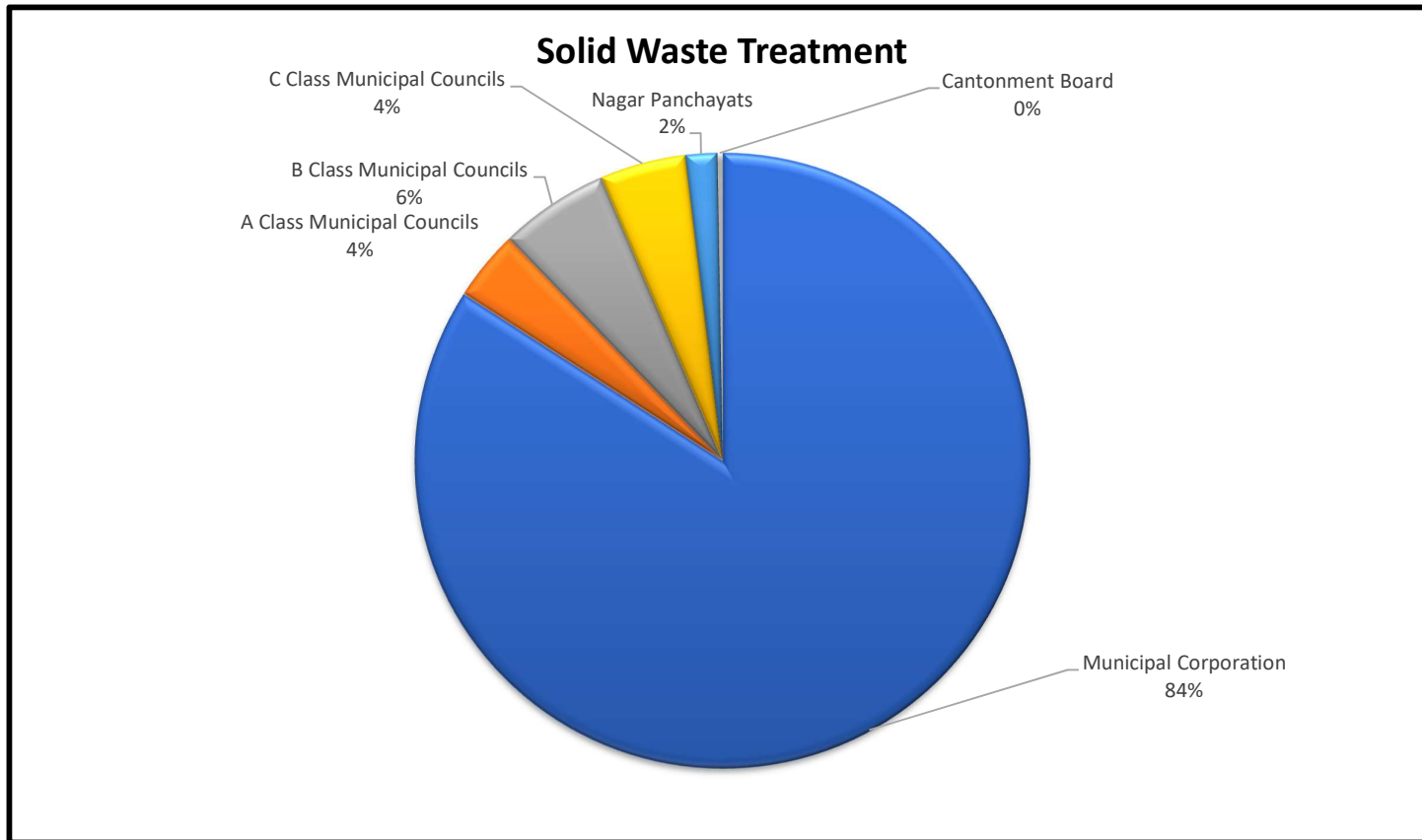
Solid Waste Generation

Local Body	No. of ULBs	Qty (MT/Day)	Percentage (%)
Municipal Corporation	27	19050.11	83.02
A Class Municipal Councils	18	1028	4.48
B Class Municipal Councils	70	1267.92	5.53
C Class Municipal Councils	148	1051.96	4.58
Nagar Panchayats	124	450.766	1.96
Total	387	22848.756	
Cantonment Board	5	96.5	0.42
Total	392	22945.256	100



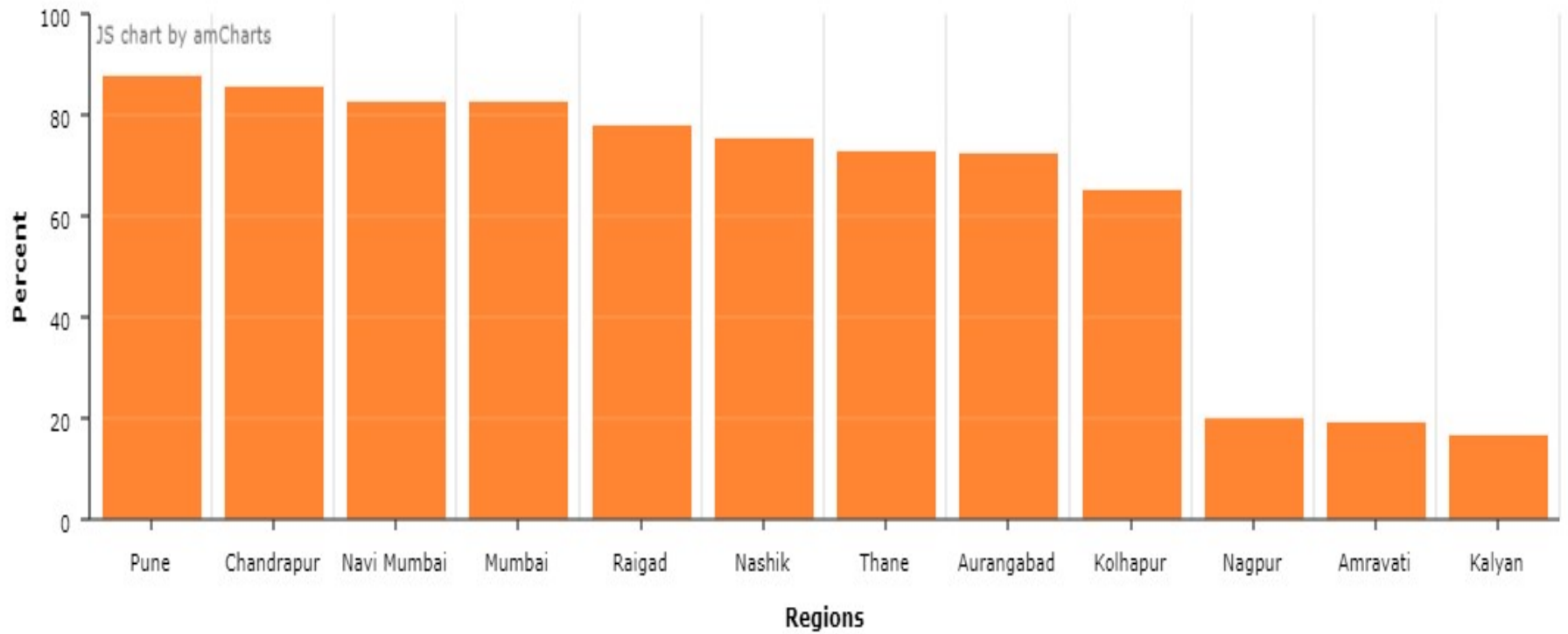
Solid Waste Treatment/Processing.

Local Body	No. of ULBs	Qty (MT/Day)	Percentage (%)
Municipal Corporation	27	13488.4725	84.11
A Class Municipal Councils	18	588.5	3.67
B Class Municipal Councils	70	925.225	5.77
C Class Municipal Councils	148	727.07	4.53
Nagar Panchayats	124	264.9	1.65
Total	387	15994.1675	
Cantonment Board	5	43.1	0.27
Total	392	16037.2675	100

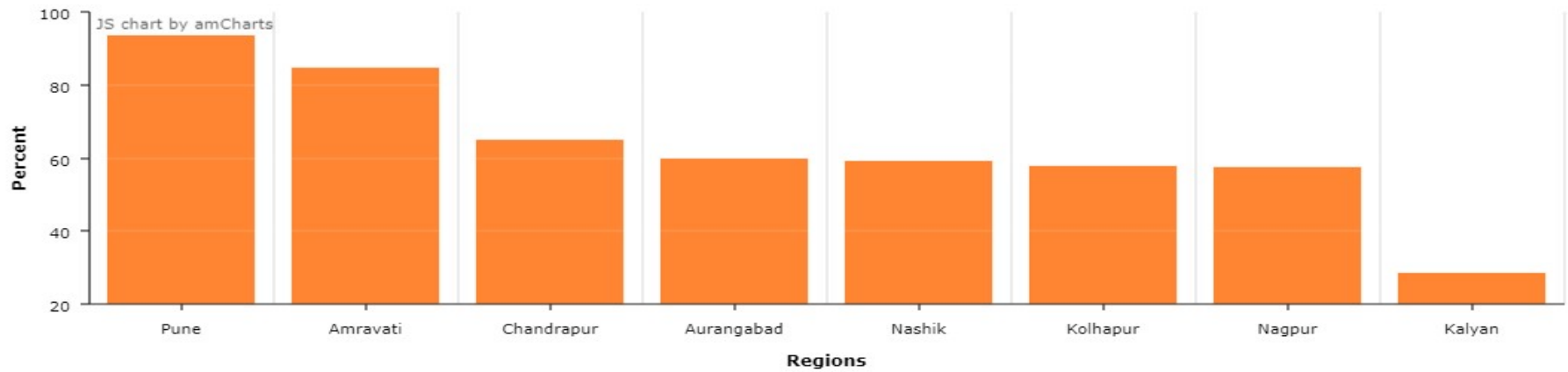


Graphical representation of treatment percentage of ULBs.

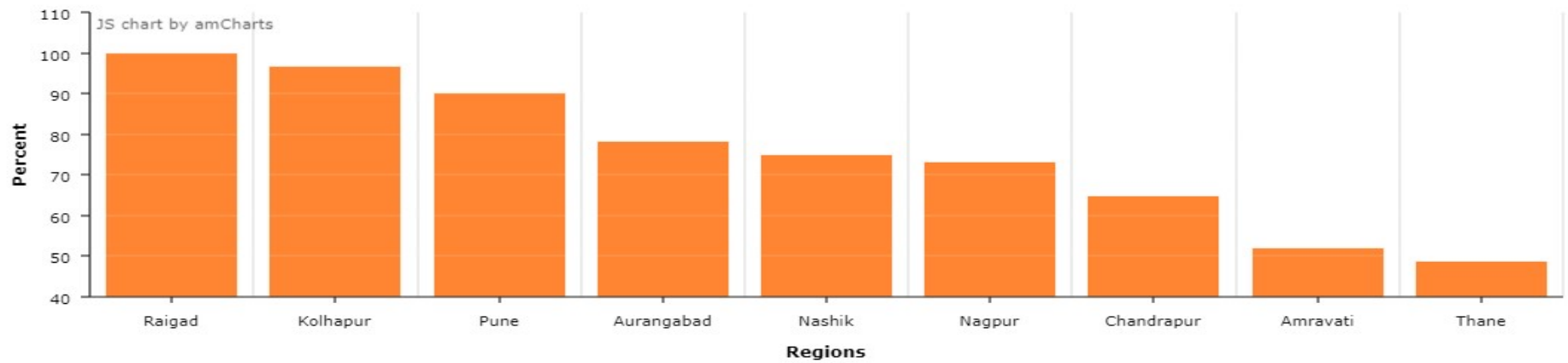
Regionwise SW treatment % by Corporations



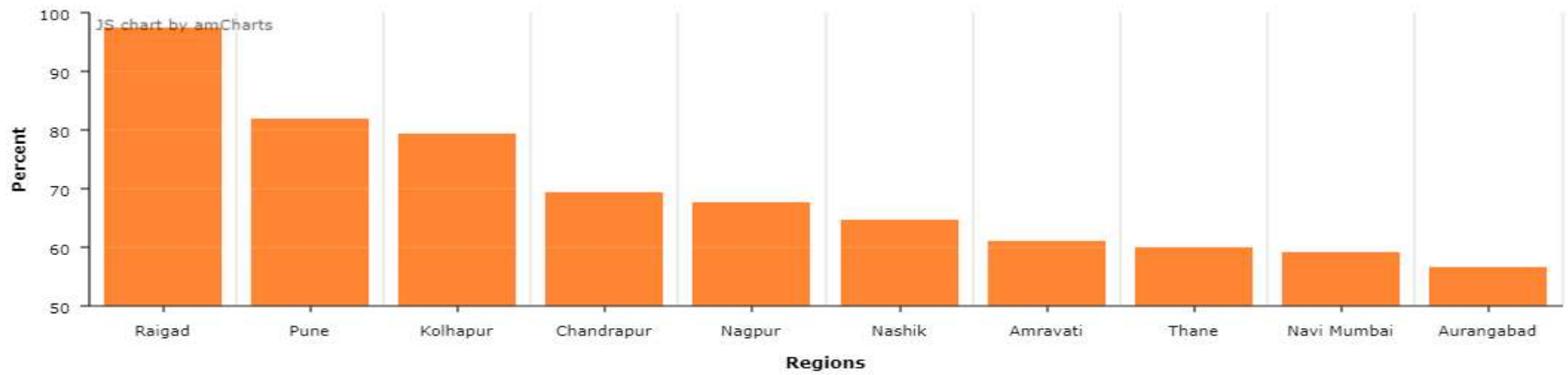
A Class Councils SW Treatment (%)



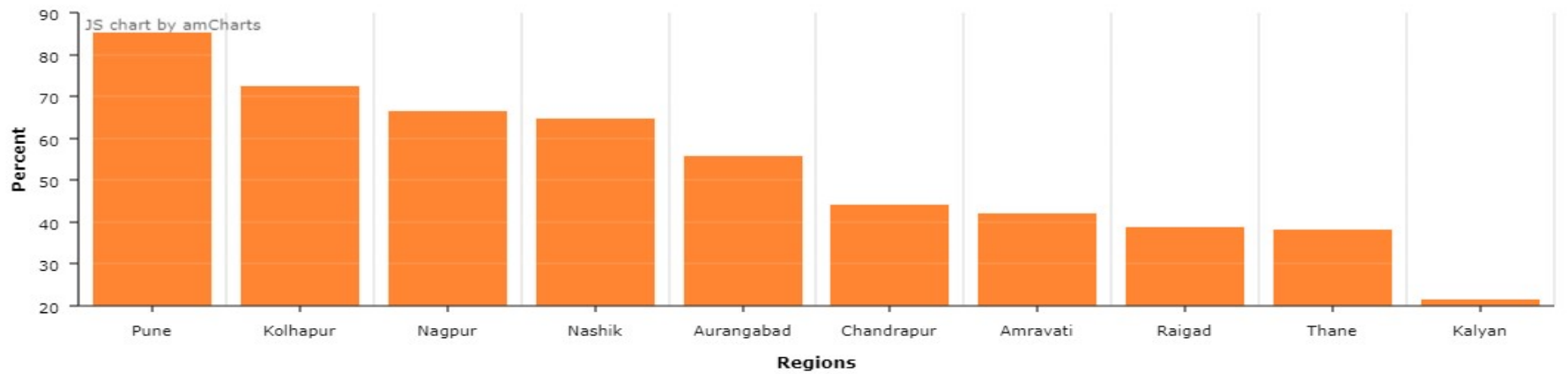
B Class Councils SW Treatment (%)



C Class Councils SW Treatment (%)



Nagarpanchayats SW Treatment (%)



MAHARASHTRA POLLUTION CONTROL BOARD

Present Status Of ULBs in Maharashtra

MUMBAI REGION

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
1	Municipal Corporation of Greater Mumbai	MC-CLASS A	14111703	6661	5500	Composting, Vermi composting, Bio-methanation, Refuse Derived Fuel	T3 - 1040	82	100.00

NAVI MUMBAI REGION

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
1	Navi Mumbai Municipal Corporation	MC-CLASS C	1120000	750	620	Composting, Refuse Derived Fuel	T4 - 50	100	100.00
2	Uran Municipal Council	C	28620	11	6.5	Bio-methanation	T3 - 1	80	100.00

KALYAN REGION

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
1	Bhiwandi-Nizampur Municipal Corporation	MC-CLASS A	7079665	440.00	190.00	Composting, Co-processing	T3 - 16 T4 - 148	35	100.00
2	Kalyan Dombivli Municipal Corporation	MC-CLASS C	1518762	650	45	Composting, Bio-methanation	T3 - 65	85	100.00
3	Ulhasnagar Municipal Corporation	MC-CLASS D	506098	360	8	Composting	T3 - 18 T4 - 9	39	100.00
4	Ambarnath Municipal Council	A	253475	156	10	Vermi composting	T3 - 1 T4 - 60	80	100.00
5	Kulgaon Badlapur Municipal Council	A	174226	68	54	Composting, Bio-methanation	T3 - 1 T4 - 43	85	100.00
6	Murbad Nagar Panchayat	NP	21080	4	2	Composting	T4 - 5	100	100.00
7	Shahapur Nagar Panchayat	NP	11623	5.32	0	-	T2 - 1 T4 - 6	100	99.44

THANE REGION

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
1	Thane Municipal Corporation	MC-CLASS B	1841488	970	921	Composting, Bio-methanation, Refuse Derived Fuel	T3 - 5 T4 - 266	95	100.00
2	Vasai-Virar City Municipal Corporation	MC-CLASS C	1901273	650	318	Composting	T2 - 23 T3 - 57 T4 - 64	80	100.00
3	Mira Bhaindar Municipal Corporation	MC-CLASS D	814000	500	300	Composting, Refuse Derived Fuel	T3 - 42 T4 - 58	10	90.00
4	Dahanu Municipal Council	B	50287	8	8	Composting		90	100.00
5	Palghar Municipal Council	B	68930	29	10	Composting	T4 - 1	100	100.00
6	Jawhar Municipal Council	C	12040	5	3	Composting	T2 - 1 T4 - 5	80	100.00
7	Mokhada Nagar Panchayat	NP	10273	2	1	Composting		66	50.00
8	Talasari Nagar Panchayat	NP	18722	1.2	1	Composting		100	100.00
9	Vikramgad Nagar Panchayat	NP	8340	1.82	1.82	Composting, Vermi composting	T2 - 2 T4 - 3	80	100.00
10	Wada Nagar Panchayat	NP	16750	5	0	-	T2 - 2 T4 - 7	20	90.00

RAIGAD REGION

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
1	Panvel Municipal Corporation	MC-CLASS D	694940	450	350	Composting	T3 - 14 T4 - 24	50	100.00
2	Khopoli Municipal Council	B	71141	28	28	Composting, Bio-methanation		100	100.00
3	Alibag Municipal Council	C	21998	7	6.5	Bio-methanation	T3 - 1 T4 - 9	80	100.00
4	Karjat Municipal Council	C	29963	10	10	Composting, Vermi composting, Bio-methanation	T2 - 1 T3 - 1 T4 - 6	100	100.00
5	Mahad Municipal Council	C	31000	11	10.92	Composting, Bio-methanation	T4 - 6	100	100.00
6	Matheran Municipal Council	C	4393	3	3	Bio-methanation		100	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
7	Murud-Janjira Municipal Council	C	12228	5	4.2	Composting	T2 - 1 T3 - 1 T4 - 3	80	85.00
8	Pen Municipal Council	C	41575	8	8	Composting	T3 - 1 T4 - 8	100	100.00
9	Roha Municipal Council	C	22760	8	8	Bio-methanation	T2 - 2 T4 - 6	100	100.00
10	Shrivardhan Municipal Council	C	15123	4	4	Composting	T4 - 3	90	100.00
11	Khalapur Nagar Panchayat	NP	6421	3	3	Composting	T4 - 2	87	100.00
12	Mangaon Nagar Panchayat	NP	18740	10.56	3.1	Composting	T4 - 6	70	100.00
13	Mhasala Nagar Panchayat	NP	10118	10.56	3.1	-	T4 - 6	70	100.00
14	Poladpur Nagar Panchayat	NP	5944	3	0.5	Composting	T4 - 3	100	100.00
15	Tala Nagar Panchayat	NP	6981	1.70	1.50	Vermi composting	T1 - 00 T4 - 2	100	100.00

KOLHAPUR REGION

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
1	Kolhapur Municipal Corporation	MC-CLASS D	607419	200	185	Composting, Bio-methanation, Refuse Derived Fuel	T2 - 2 T3 - 16 T4 - 111	100	100.00
2	Sangli-Miraj & Kupwad Municipal Corporation	MC-CLASS D	557000	220	88	Composting	T4 - 6	100	100.00
3	Ichalkaranji Municipal Council	A	292060	130	75	Composting	T3 - 2 T4 - 73	100	73.08
4	Chiplun Municipal Council	B	56569	15	14	Composting	T3 - 1 T4 - 7	100	100.00
5	Islampur Municipal Council	B	78620	17	16	Composting	T2 - 5	100	100.00
6	Jaysingpur Municipal Council	B	48510	16	15	Vermi composting, Bio-methanation	T2 - 4	90	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
7	Ratnagiri Municipal Council	B	76229	22	22	Composting	T4 - 19	100	100.00
8	Vita Municipal Council	B	48289	18	18	Composting, Bio-methanation, Refuse Derived Fuel		100	100.00
9	Ashta Municipal Council	C	37105	9	6	Composting	T2 - 1 T4 - 1	100	100.00
10	Gadhinglaj Municipal Council	C	27185	12	11	Vermi composting	T4 - 8	100	83.33
11	Jat Municipal Council	C	35336	12	1	-	T2 - 1 T4 - 9	80	80.00
12	Kagal Municipal Council	C	34106	14	14	Vermi composting, Bio-methanation	T2 - 2	100	100.00
13	Khed Municipal Council	C	16892	8	7	Composting, Bio-methanation	T4 - 2	80	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
14	Kurundwad Municipal Council	C	22372	5	5	Composting	T2 - 1 T3 - 1 T4 - 4	100	100.00
15	Malkapur Municipal Council	C	5339	2	2	Composting	T2 - 1 T4 - 2	100	100.00
16	Malvan Municipal Council	C	18648	3	2	Composting, Vermi composting	T4 - 5	90	100.00
17	Murgud Municipal Council	C	11194	3	1.8	Composting	T2 - 2 T4 - 4	90	100.00
18	Palus Municipal Council	C	30010	4.33	3.31	Composting	T2 - 1 T4 - 6	100	100.00
19	Panhala Municipal Council	C	3121	1	1	Vermi composting	T4 - 1	100	100.00
20	Rajapur Municipal Council	C	9753	3.5	3.5	Composting	T2 - 1 T4 - 2	100	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
21	Sawantvadi Municipal Council	C	23851	11	9	Composting, Vermi composting	T2 - 2 T4 - 6	100	100.00
22	Tasgaon Municipal Council	C	37945	11	11	Composting	T2 - 2 T3 - 3 T4 - 10	85	100.00
23	Vadgaon Municipal Council	C	25651	6	5	Composting	T2 - 3 T3 - 1	95	100.00
24	Vengurla Municipal Council	C	12392	3	3	Composting, Vermi composting, Bio-methanation	T2 - 1 T3 - 1 T4 - 8	100	100.00
25	Dapoli Municipal Council	NP	15713	7	5	Composting, Bio-methanation	T2 - 2 T4 - 4	100	100.00
26	Devgadamsande Nagar Panchayat	NP	15957	2	2	Composting, Vermi composting	T4 - 3	80	100.00
27	Devrukh Nagar Panchayat	NP	13608	1.5	1.5	Composting		80	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
28	Guhagar Nagar Panchayat	NP	7299	1.2	1.2	Composting, Vermi composting, Bio-methanation	T4 - 3	100	100.00
29	Kadegaon Nagar Panchayat	NP	11821	4	1	Composting	T2 - 2	90	100.00
30	Kankavli Municipal Council	NP	16398	4	4	Composting	T2 - 3	100	100.00
31	Kasai-Dodamarg Nagar Panchayat	NP	3811	1	1	Composting	T4 - 1	88	100.00
32	Kavathemahankal Nagar Panchayat	NP	17390	6	3	-	T4 - 6	100	100.00
33	Khanapur Nagar Panchayat	NP	6457	1.366	0.81	Composting, Vermi composting	T4 - 2	100	95.00
34	Kudal Nagar Panchayat	NP	17850	5	4	Composting, Bio-methanation	T2 - 1 T4 - 4	100	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
35	Lanja Nagar Panchayat	NP	18326	5	4	Composting	T1 - 0.0 T2 - 1 T3 - 1	100	100.00
36	Mandangad Nagar Panchayat	NP	4892	1.5	1.3	Composting	T1 - 00 T2 - 00 T4 - 1	90	100.00
37	Shirala Nagar Panchayat	NP	15904	5	4	Composting	T4 - 3	100	100.00
38	Vaibhavwadi Nagar Panchayat	NP	2297	1.5	0.5	Composting	T4 - 1	100	66.67

AMRAVATI REGION									
Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
1	Akola Municipal Corporation	MC-CLASS D	590591	220	0	-	T2 - 33 T4 - 1	70	100.00
2	Amravati Municipal Corporation	MC-CLASS D	825000	292	97	Composting	T2 - 01 T3 - 4 T4 - 45	60	82.88
3	Achalpur Municipal Council	A	112311	33	28	Composting	T2 - 13	90	90.91
4	Akot Municipal Council	B	92637	19	1	Composting	T2 - 4	50	100.00
5	Anjangaon Surji Municipal Council	B	62721	16	7	Composting	T1 - 1 T4 - 5	100	100.00
6	Balapur Municipal Council	B	44594	11	6	Composting, Bio-methanation	T2 - 2 T4 - 8	70	90.91
7	Buldhana Municipal Council	B	74193	21	9	Composting	T4 - 25	40	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
8	Chikhli Municipal Council	B	57889	15	9	Composting	T2 - 3 T4 - 13	70	100.00
9	Karanja Municipal Council	B	73353	18.34	5	Composting	T2 - 2	60	100.00
10	Khamgaon Municipal Council	B	94191	29.5	29	Composting	T4 - 53	65	100.00
11	Malkapur - Buldhana Municipal Council	B	67740	18	1.5	Composting		30	100.00
12	Mehkar Municipal Council	B	50000	14	3	Composting	T2 - 3 T4 - 1	55	78.57
13	Murtizapur Municipal Council	B	40295	10	9	Vermi composting	T2 - 2 T4 - 12	80	100.00
14	Nandura Municipal Council	B	44419	12	1	Composting	T4 - 8	60	100.00
15	Shegaon Municipal Council	B	68372	14	8	Composting	T1 - 1 T2 - 4 T4 - 19	80	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
16	Warud Municipal Council	B	45482	18	18	Composting	T1 - 12 T2 - 1	80	100.00
17	Washim Municipal Council	B	92680	24	18	Composting	T2 - 2	80	100.00
18	ChandurBazaar Municipal Council	C	20245	5	3	Composting	T2 - 3	50	100.00
19	ChandurRailway Municipal Council	C	19776	4	2	Vermi composting	T2 - 2	100	75.00
20	Chikhaldara Hill Station Municipal Council	C	5158	2	1	Composting, Vermi composting	T2 - 1 T4 - 2	80	100.00
21	Daryapur Municipal Council	C	40124	11	2	Composting	T2 - 3	40	100.00
22	Deulgaon Raja Municipal Council	C	30827	6	6	Composting	T2 - 1 T4 - 8	40	100.00
23	Dhamangaon Municipal Council	C	21059	5	4	Composting, Vermi composting	T2 - 2	85	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
24	Jalgaon Jamod Municipal Council	C	29692	8	7	Composting	T2 - 2 T4 - 9	100	100.00
25	Lonar Municipal Council	C	23416	7	0	Composting	T2 - 1 T4 - 7	20	100.00
26	Mangrulpir Municipal Council	C	30983	9	6	Composting	T2 - 2	60	100.00
27	Morshi Municipal Council	C	37333	6	4	Composting	T2 - 2 T4 - 11	100	100.00
28	Patur Municipal Council	C	21095	6	4	Composting	T2 - 1	100	100.00
29	Risod Municipal Council	C	37549	11	9	Vermi composting	T2 - 3	80	100.00
30	Shendurjana Ghat Municipal Council	C	22964	5.73	5	Composting	T2 - 1	65	100.00
31	Sindkhed Raja Municipal Council	C	16434	4	2	Composting	T1 - 00 T4 - 7	60	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
32	Telhara Municipal Council	C	20986	2	1	Vermi composting	T2 - 2	80	100.00
33	Barshitakli Nagar Panchayat	NP	21817	5	1	Composting	T2 - 2 T4 - 2	40	80.00
34	Bhatkuli Nagar Panchayat	NP	8816	4	4	Composting	T2 - 1	75	100.00
35	Dharni Nagar Panchayat	NP	15761	4	2	Composting, Vermi composting, Bio-methanation	T2 - 1	76	100.00
36	Malegaon Jahanjir	NP	21290	4	3	Vermi composting	T2 - 1	65	100.00
37	Manora Nagar Panchayat	NP	9339	3	0	-		20	66.67
38	Motala Nagar panchyat	NP	14000	1.5	0.1	-	T2 - 2 T4 - 3	65	73.33
39	Nandgaon (K) Nagar Panchyat	NP	13572	2	0	Composting	T2 - 1 T4 - 5	50	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
40	Ralegaon Nagar Panchayat	NP	15631	4	2	-		100	100.00
41	Sangrampur Nagar Panchayat	NP	7258	2	1	Composting	T2 - 1 T4 - 3	90	100.00
42	Teosa Nagar Panchayat	NP	12482	4	1	Composting	T1 - 1 T2 - 1 T3 - 1	90	100.00

CHANDRAPUR REGION									
Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
1	Chandrapur City Municipal Corporation	MC-CLASS D	320379	105	90	Composting, Refuse Derived Fuel, Co-processing	T2 - 1 T3 - 3 T4 - 23	80	100.00
2	Yavatmal Municipal Council	A	248939	60	39	Vermi composting	T2 - 4 T4 - 62	80	100.00
3	Ballarpur Municipal Council	B	89452	26	25.800	Composting, Bio-methanation	T2 - 5 T4 - 15	95	100.00
4	Bhadravati Municipal Council	B	60565	14	14	Composting, Vermi composting	T2 - 3 T4 - 12	100	100.00
5	Digras Municipal Council	B	48937	13	5	Composting, Vermi composting	T2 - 1 T4 - 10	90	100.00
6	Gadchiroli Municipal Council	B	54152	24	24	Vermi composting	T1 - 1 T2 - 5 T3 - 1 T4 - 1	100	100.00
7	Pusad Municipal Council	B	73046	19	3	Composting		80	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
8	Umarkhed Municipal Council	B	47458	21.5	4.5	Composting	T2 - 2 T4 - 16	80	81.40
9	Wani Municipal Council	B	58840	15	6	Composting, Vermi composting	T2 - 4 T4 - 14	80	100.00
10	Warora Municipal Council	B	46532	13.08	12	Composting	T2 - 1	80	100.00
11	Arni Municipal Council	C	31597	8	7	Composting		60	87.50
12	Bramhapuri Municipal Council	C	36025	7	6.8	Composting, Vermi composting		95	100.00
13	Chimur Municipal Council	C	25741	6.82	2.62	Composting, Vermi composting	T1 - 1 T2 - 1	100	100.00
14	Darwaha Municipal Council	C	34094	5	5	Composting	T2 - 1	95	100.00
15	Desaiganj (Wadsa) Municipal Council	C	28781	6	6	Composting	T2 - 1	100	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
16	Gadchandur Municipal Council	C	26755	9	5	Composting	T2 - 2	100	100.00
17	Ghatanji Municipal Council	C	21293	5.75	0.5	Composting, Vermi composting, Bio-methanation, Refuse Derived Fuel	T1 - 12 T2 - 2	40	100.00
18	Mool Municipal Council	C	25449	5	5	Composting, Bio-methanation, Refuse Derived Fuel	T2 - 2	100	100.00
19	Nagbhid Municipal Council	C	29683	6	5	Composting, Co-processing	T4 - 8	100	100.00
20	Ner Nababpur Nagar Parishad	C	29302	9	3	Composting	T2 - 2 T4 - 14	85	77.78
21	Pandharkawada Municipal Council	C	33761	7	5	Vermi composting	T2 - 2	70	100.00
22	Rajura Municipal Council	C	29668	7.5	6	Composting, Co-processing	T2 - 2	80	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
23	Ahiri Nagar Panchayat	NP	16647	8	0	Composting	T2 - 1 T4 - 4	0	100.00
24	Armori Nagar Panchayat	NP	25507	5	3	Composting	T2 - 2 T4 - 8	80	100.00
25	Babhulgaon Nagarpanchayat	NP	6157	1.5	0	-	T2 - 1	68	16.67
26	Bhamragad Nagar Panchayat	NP	7840	1.00	0	Composting	T2 - 1	0	90.00
27	Chamoshi Nagar Panchayat	NP	16953	3.5	2.1	Composting, Vermi composting	T2 - 2	50	60.00
28	Dhanora Nagar Panchayat	NP	15000	2	1	Composting	T2 - 1	50	100.00
29	Etapalli Nagar Panchayat	NP	10158	3	0	-	T1 - 1 T2 - 2 T4 - 3	0	33.33
30	Gondpimpri Nagar Panchayat	NP	8474	2	2	Composting	T4 - 8	100	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
31	Jiwati Nagar Panchayat	NP	4303	1.5	0.8	Composting	T4 - 2	80	100.00
32	Kalamb Nagar Panchyat	NP	20025	3	1	Composting	T2 - 1	80	100.00
33	Korchi Nagar Panchayat	NP	3483	2	1	Composting	T2 - 1	100	100.00
34	Korpana Nagar Panchayat	NP	5195	1.8	1.6	Composting	T2 - 1	100	111.11
35	Kurkheda Nagar Panchayat	NP	7430	2	1	Composting, Vermi composting		100	100.00
36	Mahagaon Nagar Panchayat	NP	8248	2.4	0	-		50	83.33
37	Maregaon Nagar Panchyat	NP	8538	2.6	0	Composting	T4 - 3	80	88.46
38	Mulchera Nagar Panchayat	NP	1939	0.5	0.1	-		0	20.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
39	Pombhurna Nagar Panchayat	NP	6308	1.42	1.40	Composting	T4 - 2	95	100.00
40	Saoli Nagar panchayat	NP	10019	2	2	Vermi composting	T4 - 6	100	100.00
41	Sindewahi Nagar Panchayat	NP	14157	3.19	1.19	Composting		80	100.00
42	Sironcha Nagar Panchayat	NP	10621	4.7	4.7	Composting	T1 - 2 T2 - 1	90	100.00
43	Zari Jamni Nagar Panchayat	NP	1775	1	1	-		90	100.00

PUNE REGION

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
1	Pune Municipal Corporation	MC-CLASS A	4179295	2000	1800	Composting, Bio-methanation, Refuse Derived Fuel	T2 - 20 T3 - 47 T4 - 470	100	100.00
2	Pimpri-Chinchwad Municipal Corporation	MC-CLASS B	2331570	1050	850	Composting, Bio-methanation, Refuse Derived Fuel	T3 - 75 T4 - 281	81	100.00
3	Solapur Municipal Corporation	MC-CLASS D	951558	250	238	Composting, Waste to Energy	T3 - 16	81	100.00
4	Baramati Municipal Council	A	119000	27	23	Composting, Vermi composting, Bio-methanation	T2 - 1 T4 - 22	90	96.30
5	Barshi Municipal Council	A	118722	39	38.5	Composting	T2 - 6 T3 - 1	70	100.00
6	Satara Municipal Council	A	120195	49	46	Composting	T4 - 40	80	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
7	Akkalkot Municipal Council	B	40103	13	8	Composting		95	100.00
8	Daund Municipal Council	B	51575	17	15	Composting, Bio-methanation	T3 - 1	100	94.12
9	Karad Municipal Council	B	86000	28	28	Composting, Bio-methanation	T2 - 4	100	100.00
10	Lonavala Municipal Council	B	57698	42	40	Composting, Bio-methanation, Co-processing	T2 - 2 T3 - 1	100	100.00
11	Pandharpur Municipal Council	B	98923	38	33	Composting	T2 - 2 T3 - 2 T4 - 3	85	100.00
12	Phaltan Municipal Council	B	52118	16.2	14.68	Composting		100	100.00
13	Talegaon Dhabade Municipal Council	B	56435	20.5	18.5	Composting	T2 - 14	100	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
14	Alandi Municipal Council	C	33000	18	17.8	Composting, Vermi composting, Refuse Derived Fuel	T2 - 3 T3 - 3 T4 - 10	95	100.00
15	Bhor Municipal Council	C	18763	5	4.70	Composting		100	100.00
16	Chakan Municipal Council	C	41113	19.5	7.5	Composting	T2 - 2	85	100.00
17	Dudhani Municipal Council	C	12533	3	1	Composting	T4 - 3	100	100.00
18	Indapur Municipal Council	C	25515	6.3	5.98	Composting	T2 - 1 T4 - 12	95	100.00
19	Jejuri Municipal Council	C	14515	7	6.2	Composting, Co-processing	T2 - 2	100	100.00
20	Junnar Municipal Council	C	25315	6	6	Composting, Co-processing	T4 - 5	100	100.00
21	Karmala Municipal Council	C	23199	5	4	Composting	T2 - 1	100	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
22	Kurduvadi Municipal Council	C	22468	5.1	4.7	Composting	T2 - 1 T4 - 7	95	100.00
23	Mahabaleshwar Municipal Council	C	13393	7	7	Composting	T2 - 1 T3 - 1 T4 - 10	100	100.00
24	Maindargi Municipal Council	C	12363	3.82	3.00	Composting	T2 - 1	100	100.00
25	Mangalwedha Municipal Council	C	21824	05	05	Composting	T2 - 1	100	100.00
26	Mhaswad Municipal Council	C	24120	4.5	4.5	Vermi composting	T2 - 2	100	100.00
27	Mohol Nagar Panchayat	C	27833	6	5	Composting	T2 - 04	90	100.00
28	Panchgani Municipal Council	C	14894	7	0	Composting	T2 - 4	100	100.00
29	Rahimatpur Municipal Council	C	17633	1.80	1.79	Composting	T4 - 4	100	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
30	Rajgurunagar Municipal Council	C	62011	14.01	13.01	Composting	T2 - 2	55	99.93
31	Sangola Municipal Council	C	34321	9.8	9.8	Composting	T2 - 3	100	100.00
32	Saswad Municipal Council	C	31821	11	10	Composting	T2 - 1	100	100.00
33	Shirur Municipal Council	C	40080	14	12.6	Composting	T4 - 2	100	100.00
34	Wai Municipal Council	C	36025	14.75	12.53	Composting	T3 - 1	90	100.00
35	Dahivadi Nagar Panchayat	NP	15845	4	4	Vermi composting	T2 - 2	95	100.00
36	Khandala Nagar Panchayat	NP	6832	3	3	Composting, Vermi composting	T2 - 2	95	100.00
37	Koregaon Nagar Panchayat	NP	23944	8	5	Composting	T2 - 2	100	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
38	Lonand Nagar Panchayat	NP	22650	5.2	5.2	-	T2 - 2	100	100.00
39	Madha Nagar Panchayat	NP	11027	3	2	Composting, Vermi composting	T4 - 3	80	100.00
40	Malkapur Municipal Council (Nagar Panchayet)	NP	31671	8	7.9	Composting, Bio-methanation, Co-processing	T2 - 1 T4 - 5	100	100.00
41	Malshiras Nagar Panchayat	NP	21985	5	3	Composting, Vermi composting, Bio-methanation, Refuse Derived Fuel	T2 - 2 T4 - 7	80	100.00
42	Medha Nagar Panchayat	NP	4678	2	1	Composting	T2 - 2	100	100.00
43	Patan Nagar Panchayat	NP	17673	6	6	Composting	T2 - 1	90	100.00
44	Vaduj Nagar Panchayat	NP	19000	4	4	Composting, Vermi composting	T2 - 4	100	100.00

NAGPUR REGION									
Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
1	Nagpur Municipal Corporation	MC-CLASS A	2750000	1000	200	Composting, Vermi composting	T2 - 1 T3 - 79 T4 - 446	60	100.00
2	Gondia Municipal Council	A	132813	65	47	Composting, Vermi composting	T2 - 5	85	81.54
3	Hingan Ghat Municipal Council	A	101805	32	0	-	T2 - 8 T4 - 1	0	100.00
4	Wardha Municipal Council	A	133000	25	23	Composting	T1 - 1 T2 - 4 T3 - 1 T4 - 1	100	100.00
5	Arvi Municipal Council	B	42822	16	15	Composting	T2 - 2	85	93.75

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
6	Bhandara Municipal Council	B	91845	30	12	Composting	T2 - 2 T4 - 1	80	100.00
7	Kamptee Municipal Council	B	86793	29	29	Composting	T2 - 4 T3 - 1 T4 - 1	100	100.00
8	Katol Municipal Council	B	43267	9	8	Composting	T2 - 3	100	100.00
9	Tumsar Municipal Council	B	44869	15	1	Composting	T2 - 3 T3 - 1 T4 - 1	0	100.00
10	Umred Municipal Council	B	53971	13.7	13.7	Vermi composting	T2 - 4	90	100.00
11	Wadi Municipal Council	B	54048	13	13	Composting, Vermi composting, Co-processing		100	100.00
12	Amgaon Nagar Panchayat	C	34564	7	0	-		0	57.14

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
13	Deoli Municipal Council	C	19288	5	3	Composting, Vermi composting	T2 - 2	90	100.00
14	Kalmeshwar Municipal Council	C	19578	5	3	Vermi composting	T2 - 1	80	100.00
15	Kanhann Pimpari Municipal Council	C	27581	9	4	Composting	T2 - 1 T4 - 1	100	77.78
16	Khapa Municipal Council	C	14659	3	3	Composting	T2 - 1	97	100.00
17	Mohapa Municipal Council	C	6987	2	1	Composting, Vermi composting		100	100.00
18	Mowad Municipal Council	C	8777	3	2	Vermi composting	T2 - 1	100	100.00
19	Municipal Council Butibor	C	50000	8.05	8.05	Composting		100	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
20	Narkhed Municipal Council	C	21127	3	3	Composting	T2 - 1	100	100.00
21	Pavani Municipal Council	C	22821	4	3	Composting	T2 - 2 T4 - 3	100	100.00
22	Pulgaon Municipal Council	C	34000	10	4	Composting	T2 - 2	100	100.00
23	Ramtek Municipal Council	C	22310	5.99	3.41	Composting	T2 - 2 T4 - 3	75	100.00
24	Sakoli Nagar Panchayat	C	28367	3	2	Composting	T2 - 2 T4 - 4	90	33.33
25	Savner Municipal Council	C	34160	4.0	3.8	Composting	T2 - 1 T4 - 8	90	100.00
26	Sindi Municipal Council	C	12800	3	3	Composting	T2 - 1 T4 - 3	60	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
27	Tirora Municipal Council	C	25181	6	5	Composting	T4 - 5	80	100.00
28	Wanadongari Nagar Panchayat	C	57379	11.2	11.2	Composting		100	100.00
29	Arjuni Nagar Panchayat	NP	9472	2	1	Composting	T2 - 1	100	100.00
30	Ashti Nagar Panchayat	NP	11716	3	3	Composting	T2 - 1	90	100.00
31	Bhiwapur Nagar Panchayat	NP	13590	2	2	Composting, Vermi composting	T2 - 1	100	100.00
32	Deori Nagar Panchayat	NP	14579	4	4	Vermi composting	T2 - 2	100	100.00
33	Goregaon Nagar Panchayat	NP	8766	0.9	0	-	T2 - 1	100	100.00
34	Hingana Nagar Panchayat	NP	7668	2	1	Composting		100	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
35	Karanja Nagar Panchayat	NP	12862	3	3	Composting	T2 - 1	80	100.00
36	Kuhi Nagar Panchayat	NP	10500	2	1	Composting, Vermi composting	T2 - 1	100	100.00
37	Lakhandur Nagar Panchayat	NP	9795	2.6	0.6	Composting, Vermi composting		100	100.00
38	Lakhani Nagar Panchayat	NP	12636	3	2	Composting	T2 - 1	100	83.33
39	Mahadula Municipal Council	NP	23800	5	5	Composting	T2 - 1 T4 - 5	100	100.00
40	Mohadi Nagar Panchayat	NP	10527	3	1	Composting	T2 - 1	0	100.00
41	Mouda Municipal Council	NP	14606	3	3	Composting	T2 - 1	100	100.00
42	Parshiwani Nagar Panchayat	NP	12026	2	2	Composting		100	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
43	Sadak-Arjuni Nagar Panchayat	NP	5975	2	0	-	T1 - 000	20	100.00
44	Salekasa Nagar Panchayat	NP	8887	2	1	Composting		100	100.00
45	Samudrapur Nagar Panchayat	NP	7656	2	1	Composting		95	100.00
46	Selu Nagar Panchayat	NP	13740	4	1	Composting	T4 - 3	100	100.00

NASHIK REGION

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
1	Ahmednagar Municipal Corporation	MC-CLASS B	420000	135	130	Composting	T2 - 8 T3 - 7 T4 - 59	95	96.30
2	Nashik Municipal Corporation	MC-CLASS B	1744386	550	440	Composting, Vermi composting, Bio-methanation, Refuse Derived Fuel	T4 - 260	100	100.00
3	Dhule Municipal Corporation	MC-CLASS D	446094	114	85.64	Vermi composting	T2 - 10 T3 - 3 T4 - 79	80	100.00
4	Jalgaon City Municipal Corporation	MC-CLASS D	517494	253.11	189.8325	Composting	T2 - 12 T3 - 12 T4 - 91	80	99.96
5	Malegaon Municipal Corporation	MC-CLASS D	541239	240	125	Composting, Vermi composting	T2 - 25 T3 - 5 T4 - 113	20	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
6	Bhusawal Municipal Council	A	200000	58	24	Composting	T2 - 6 T3 - 1 T4 - 24	80	100.00
7	Nandurbar Municipal Council	A	111067	30	28	Composting	T2 - 4 T3 - 1 T4 - 22	73	100.00
8	Amalner Municipal Council	B	95994	32	29	Composting	T2 - 2 T3 - 1 T4 - 18	100	100.00
9	Chalisgaon Municipal Council	B	97551	20	9	Composting	T2 - 6 T4 - 1	70	100.00
10	Chopda Municipal Council	B	72783	13	5	Composting	T2 - 1	70	93.00
11	Dondaicha-Varwade Municipal Council	B	46767	15	14	Composting	T2 - 2 T4 - 11	100	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
12	Jamner Municipal Council	B	46762	14	13	Composting	T2 - 3 T3 - 1	100	100.00
13	Kopargaon Municipal Council	B	65273	20	18	Composting	T1 - 01 T2 - 02 T3 - 1 T4 - 19	90	100.00
14	Manmad Municipal Council	B	80058	18	9	Composting	T2 - 1 T3 - 1 T4 - 3	100	80.00
15	Pachora Municipal Council	B	70000	21	18	Composting	T4 - 11	70	100.00
16	Sangamner Municipal Council	B	65804	25	24	Composting, Bio-methanation	T2 - 3	90	100.00
17	Shahada Municipal Council	B	68000	13	9	Composting, Co-processing	T4 - 13	85	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
18	Shirpur-Varwade Municipal Council	B	76905	12	11.95	Composting, Vermi composting	T2 - 1 T4 - 2	95	100.00
19	Shrirampur Municipal Council	B	95700	25	18	Composting	T2 - 7 T4 - 14	80	100.00
20	Sinnar Municipal Council	B	65299	22	8	Vermi composting	T1 - 1 T2 - 6 T3 - 1 T4 - 6	95	100.00
21	Yeola Municipal Council	B	53901	22	18	Composting	T2 - 2 T3 - 1 T4 - 10	90	100.00
22	Bhadgaon Municipal Council	C	37214	12	10	Composting	T4 - 6	80	100.00
23	Bhagur Municipal Council	C	12353	2.5	1.6	Composting	T2 - 2	90	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
24	Chandwad Municipal Council	C	25341	6	2	Composting	T2 - 1 T4 - 3	80	100.00
25	Devlali Pravara Municipal Council	C	30997	11	4	Composting		100	45.45
26	Dharangaon Municipal Council	C	35375	5	3	Composting	T4 - 4	100	100.00
27	Erandol Municipal Council	C	37526	7.40	5.40	Composting	T2 - 2 T3 - 1	100	72.97
28	Faizpur Municipal Council	C	29966	4.5	2.5	Composting	T2 - 4 T3 - 1 T4 - 5	70	80.00
29	Igatpuri Municipal Council	C	30989	7.5	4.45	Composting	T4 - 5	90	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
30	Jamkhed Municipal Council	C	39551	7.01	4	Composting, Vermi composting	T2 - 1	85	99.86
31	Nandgaon Municipal Council	C	23604	6.01	4.01	Composting	T2 - 1	100	100.00
32	Navapur Municipal Council	C	36500	8.5	5.5	Composting	T2 - 2 T4 - 6	75	88.24
33	Parola Municipal Council	C	41241	12	6	Composting, Vermi composting, Bio-methanation, Refuse Derived Fuel, Co-processing	T2 - 1	100	100.00
34	Pathardi Municipal Council	C	27211	7	3	Composting, Vermi composting	T4 - 1	80	100.00
35	Rahata Pimplas Municipal Council	C	23280	4.40	3	Composting	T4 - 1	80	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
36	Rahuri Municipal Council	C	38813	11	10	Composting, Bio-methanation	T2 - 1 T4 - 1	100	100.00
37	Raver Municipal Council	C	28868	7	5	Composting	T2 - 2 T3 - 1	90	100.00
38	Satana Municipal Council	C	37701	10	7	Composting, Bio-methanation	T2 - 2	100	80.00
39	Savda Municipal Council	C	22000	7	6	Composting	T2 - 1 T3 - 1 T4 - 3	75	100.00
40	Shevgaon Municipal Council	C	38375	9	8	Composting	T2 - 2 T4 - 7	60	100.00
41	Srigonda Municipal Council	C	31134	6	4	Composting	T2 - 1 T3 - 1 T4 - 6	80	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
42	Taloda Municipal Council	C	26363	8.25	4.35	Composting, Bio-methanation	T2 - 2 T4 - 4	100	37.82
43	Trimbak Municipal Council	C	13383	5	5	Composting	T2 - 1	100	100.00
44	Varangaon Municipal Council	C	35268	11	9	Composting	T2 - 6 T3 - 1	15	54.55
45	Yawal Municipal Council	C	36706	10	3	Composting	T2 - 2 T4 - 6	80	100.00
46	Akole Nagar Panchayat	NP	19814	4	4	Composting, Vermi composting	T2 - 1 T4 - 6	100	100.00
47	Bodvad Nagar Panchayat	NP	24221	4	1.5	-	T2 - 1	40	75.00
48	Devala Nagar Panchayat	NP	13253	5	5	Composting	T4 - 5	100	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
49	Dhadgaon Wadphalya-Roshmal Bu Nagar Panchayat	NP	11908	7	1.1	Composting	T2 - 1	100	100.00
50	Dindori Nagar Panchayat	NP	17734	4	3.8	Composting	T2 - 3	80	100.00
51	Kalawan Nagar Panchayat	NP	20541	7	1	-	T2 - 2 T4 - 7	100	100.00
52	Karjat Nagar Panchayat	NP	20050	5	2	Composting	T2 - 2 T4 - 3	0	80.00
53	Nevasa Nagar Panchayat	NP	22618	3.5	2	Composting, Vermi composting		80	92.86
54	Niphad Nagar Panchayat	NP	26000	6.500	4.0	Composting	T2 - 6	87	92.31
55	Parner Nagar Panchayat	NP	15000	5	3	Composting	T4 - 3	92	100.00
56	Peth Nagar Panchayat	NP	6858	1.8	1.8	Composting	T2 - 0 T4 - 2	80	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
57	Sakri Nagar Panchayat	NP	21007	3	1	Composting	T2 - 3 T4 - 3	60	100.00
58	Shirdi Nagar Panchayat	NP	36004	19.51	18	Composting	T4 - 17	100	100.00
59	Sindkheda Municipal Council	NP	24566	3.5	3.46	Composting, Vermi composting, Co-processing	T4 - 6	95	100.00
60	Surgana Nagar Panchayat	NP	6263	0.9	0	-	T2 - 1	80	100.00

AURANGABAD REGION

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
1	Aurangabad Municipal Corporation	MC-CLASS C	1228032	450	400	Composting	T2 - 5 T3 - 27 T4 - 296	90	100.00
2	Latur City Municipal Corporation	MC-CLASS D	382940	150	147	Composting	T2 - 40 T3 - 13	95	100.00
3	Nanded-Waghala Municipal Corporation	MC-CLASS D	550539	250	100	Composting, Vermi composting	T1 - 00 T2 - 16 T3 - 7 T4 - 113	40	100.00
4	Parbhani Municipal Corporation	MC-CLASS D	307170	140	71	Bio-methanation	T2 - 2 T3 - 2 T4 - 48	55	95.00
5	Beed Municipal Council	A	230000	32	20	Composting	T2 - 1 T4 - 28	0	100.00
6	Hingoli Municipal Council	A	93076	30	29	Composting	T2 - 3 T4 - 23	100	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
7	Jalna M. Council	A	285577	108	94	Composting	T2 - 18 T4 - 4	30	87.96
8	Osmanabad Municipal Council	A	111825	42	0	Composting	T2 - 1 T3 - 1	40	100.00
9	Udgir Municipal Council	A	103550	44	10	Composting	T2 - 4 T3 - 1 T4 - 32	75	100.00
10	Ahmedpur Municipal Council	B	49036	13	9	Composting	T2 - 1	95	100.00
11	Ambejogai Municipal Council	B	73975	22	20	Composting, Vermi composting		95	100.00
12	Deglur Municipal Council	B	54493	11	10	Vermi composting	T2 - 4 T3 - 1 T4 - 12	80	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
13	Gangakhed Municipal Council	B	49891	15	12	Composting	T2 - 2	95	100.00
14	Jintur Municipal Council	B	44291	12	10	Composting	T4 - 10	91	100.00
15	Kannada Municipal Council	B	40759	8	4	Composting	T2 - 3 T4 - 10	100	100.00
16	Majalgaon Municipal Council	B	49453	14	4.5	Composting	T1 - 1 T2 - 2 T4 - 9	85	80.00
17	Paithan Municipal Council	B	41536	6	5.995	Composting	T2 - 4 T4 - 9	100	100.00
18	Parli Vaijinath Municipal Council	B	90975	33	27	Composting, Vermi composting	T1 - 2 T2 - 6 T4 - 1	83	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
19	Sailu Municipal Council	B	46915	11.5	8.5	Composting	T1 - 1 T2 - 3 T4 - 12	83	86.96
20	Sillod Municipal Council	B	58230	8	8	Composting	T2 - 2 T3 - 1	100	100.00
21	Vaijapur Municipal Council	B	48000	3.6	3.6	Composting	T1 - 00 T2 - 00 T4 - 11	100	100.00
22	Ambad Municipal Council	C	32550	6	5	Composting, Vermi composting	T2 - 2 T4 - 10	100	100.00
23	Ausa Municipal Council	C	36118	11	9	Composting	T2 - 2 T4 - 11	80	100.00
24	Basmat Municipal Council	C	80000	27.86	7	Composting	T2 - 4 T4 - 14	90	100.00
25	Bhokar Municipal Council	C	38886	11	5	Composting	T2 - 2	70	90.91

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
26	Bhokardhan Municipal Council	C	30000	5.5	5	Composting	T3 - 1 T4 - 5	80	100.00
27	Bhoom Municipal Council	C	22077	5	5	Composting	T4 - 8	75	100.00
28	Biloli Municipal Council	C	14923	4	2	Composting	T1 - 00 T2 - 02	100	100.00
29	Dharmabad Municipal Council	C	33741	10	8	Composting	T2 - 2 T4 - 7	90	100.00
30	dharur municipal council	C	20417	5	4	Composting, Bio-methanation		45	100.00
31	Gangapur Municipal Council	C	27745	3	2	Composting	T2 - 2	100	100.00
32	Georai Municipal Council	C	38012	6	5.7	Composting	T2 - 1	95	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
33	Hadgaon Municipal Council	C	27433	11.48	2.5	Composting	T2 - 3 T4 - 5	70	65.94
34	Kalamb Municipal Council	C	25713	4	3	Vermi composting	T2 - 8	100	100.00
35	Kalamnuri M. Council	C	24784	8	6	Composting	T4 - 8	95	100.00
36	Kandhar Municipal Council	C	24843	6	2	Composting, Vermi composting	T2 - 2	100	100.00
37	Khuldabad Municipal Council	C	15749	2	1	Composting	T1 - 1 T2 - 2 T4 - 3	80	100.00
38	Kinwat Municipal Council	C	31749	4	2	Composting	T2 - 3	81	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
39	Kundalwadi Municipal Council	C	14760	4.8	3.64	Composting	T2 - 2	90	100.00
40	Loha Municipal Council	C	24125	6	4	Composting	T2 - 2	60	100.00
41	Manwath Municipal Council	C	32488	8.5	6.5	Composting	T4 - 9	100	94.12
42	Mudkhed Municipal Council	C	23517	6.8	6	Composting, Vermi composting	T2 - 2	90	100.00
43	Mukhed Municipal Council	C	27650	8	5	Composting	T2 - 4 T4 - 8	90	100.00
44	Murum Municipal Council	C	18371	2	1	Composting	T2 - 4 T4 - 2	100	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
45	Naldurg Municipal Council	C	18341	4	2.20	Composting		100	100.00
46	Nilanga Municipal Council	C	36172	9	5	Composting, Vermi composting	T2 - 2	55	100.00
47	Omerga Municipal Council	C	41859	12	5	Vermi composting	T2 - 2	90	100.00
48	Paranda Municipal Council	C	18758	5	3	Composting	T2 - 1 T4 - 1	50	100.00
49	Partur Municipal Council	C	35883	9	4	Composting	T2 - 2	80	100.00
50	Pathri Municipal Council	C	36853	9.50	8.5	Composting, Vermi composting, Bio-methanation, Refuse Derived Fuel, Co-processing	T2 - 1 T4 - 6	100	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
51	Purna Municipal Council	C	39282	12	2	Vermi composting	T2 - 01	80	66.67
52	Sonpeth Municipal Council	C	17546	6	5	Composting	T1 - 1 T2 - 1 T4 - 3	90	100.00
53	Tuljapur Municipal Council	C	35403	12	4	Composting	T2 - 3 T4 - 1	50	80.00
54	Umri Municipal Council	C	13501	3	1	Composting		45	100.00
55	Ardhapur Nagar Panchayat	NP	26026	9	6	Composting	T1 - 1 T2 - 3	60	100.00
56	Ashti Nagar Panchayat (Beed)	NP	12146	5	1	Composting	T2 - 2 T4 - 4	100	40.00
57	Aundha Nagnath Nagar Panchayat	NP	16012	5	3	Composting	T2 - 1	100	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
58	Badnapur Nagar Panchayat	NP	11869	2	2	Vermi composting	T4 - 4	100	100.00
59	Chakur Nagar Panchayat	NP	19244	4	4	Composting	T2 - 2	100	100.00
60	Devani Nagar Panchayat	NP	12899	4	2	Composting, Vermi composting	T2 - 1 T4 - 2	90	100.00
61	Ghansawangi Nagar Panchayat	NP	7524	1	1	Composting	T1 - 1	60	100.00
62	Himayatnagar Nagar Panchayat	NP	20285	6	3	Composting	T2 - 2	70	83.33
63	Jalkot Nagar Panchayat	NP	10000	2	2	Composting	T2 - 1	100	100.00
64	Japharabad Nagar Panchayat	NP	15910	3	1	Composting	T2 - 1	20	100.00
65	Keij Nagar Panchayat	NP	30704	9	2	Vermi composting	T2 - 2	50	100.00

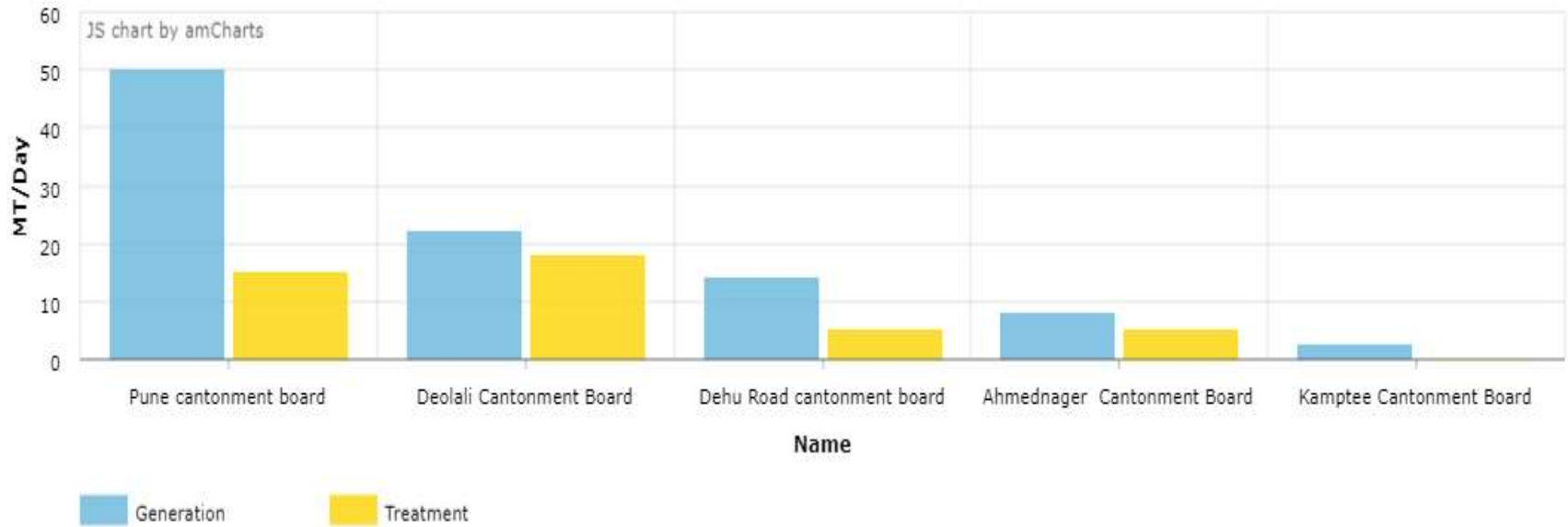
Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
66	Lohara Bu Nagar Panchayat	NP	8661	1	0.5	Composting	T2 - 1	80	100.00
67	Mahur Nagar Panchayat	NP	11164	4	2	Composting, Vermi composting, Bio-methanation, Refuse Derived Fuel, Co-processing	T1 - 1 T2 - 1 T4 - 6	90	100.00
68	Mantha Nagar Panchayat	NP	22005	6.5	3.12	Composting	T2 - 4 T4 - 1	86	100.00
69	Naygaon Nagar Panchayat	NP	16912	4	2	Composting	T2 - 1	20	100.00
70	Palam Nagar Panchayat	NP	14286	3.22	1.5	Composting	T2 - 1	60	62.11
71	Patoda Nagar Panchayat	NP	21251	1.5	0.1	Composting	T2 - 1 T4 - 1	80	100.00
72	Phulambri Nagar Panchayat	NP	17192	3	3	Composting	T2 - 1	100	100.00

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
73	Renapur Nagar Panchayat	NP	19000	5	5	Composting	T2 - 5	95	100.00
74	Sengaon Nagar Panchayat	NP	9016	2.5	2.0	Composting	T2 - 1	100	100.00
75	Shirur Anantpal Nagar Panchayat	NP	10417	4	3	Composting	T2 - 1	100	100.00
76	Shirur Kasar Nagar Panchayat	NP	5806	1.8	1	Composting	T4 - 4	100	100.00
77	Soigaon Nagar Panchayat	NP	9500	2	1	Composting	T2 - 1 T4 - 4	100	100.00
78	Wadwani Nagar Panchayat	NP	15000	3	0	Composting		100	0.00
79	Washi Nagar Panchayat	NP	17147	2	1	Composting	T2 - 2 T4 - 3	100	100.00

CANTONMENT BOARDS

Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing Facility	Transport Facility	Segregation %	Transport %
Ahmednager Cantonment Board	CB	28986	8	5	Composting	T4 - 4	70	100.00
Dehu Road cantonment board	CB	48961	14	5	Composting	T2 - 06 T3 - 2	90	92.86
Deolali Cantonment Board	CB	54207	22	18	Composting	T4 - 11	25	100.00
Kamptee Cantonment Board	CB	12457	2.5	0.1	-	T4 - 4	20	100.00
Pune cantonment board	CB	71831	50	15	Vermi composting, Refuse Derived Fuel	T3 - 3 T4 - 12	80	100.00
Total			96.5	43.1				

Solid Waste Generation and Treatment By Cantonment Boards



Annexure-III**MAHARASHTRA POLLUTION CONTROL BOARD****A SUMMARY STATEMENT ON PROGRESS MADE BY LOCAL BODY
IN RESPECT OF IMPLEMENTATION OF SCHEDULE-II**

Maharashtra is one of the urbanized states in the country. The state is having total 387 Nos. of Local Bodies. ULBs installed 337 composting plants as a waste processing facility. Also 82 vermin-composing facilities are installed, 62 bio-methanization plants are installed, 01 waste to Energy plant and 26 RDF plant installed. The 320 landfill sites are identified and 18 sites under construction phase. The Bio-medical waste and industrial hazardous waste generated in the area of local bodies is not mixed with MSW and such waste is disposed off separately in accordance with provisions made under BMW Management Rules, 2016 and Hazardous and Other Wastes (Management and Trans Boundary Movement) Rules, 2016. For the disposal of Hazardous waste, 4 no. of common Hazardous waste treatment & disposal facility have been developed in the State. For the disposal of the Bio-medical waste, 36 number of Common Bio-medical waste treatment facilities have been provided.

The main constraint for the effective implementation of MSW Rules & setting up of waste processing facility for local bodies is non-availability of suitable land. Considering the constraint, the Urban Development Department, Govt. of Maharashtra has passed order regarding formation of District level committee in every District under the Chairmanship of District Collector. The main object of district level committee is to identify & select waste processing and landfill sites. The Committee comprises of 11 members of various concerned department. While identifying the suitable location for landfill and waste processing site, a care is taken by the District level committee that the site should be away from habitation clusters, forest, water bodies, monuments, wet lands and places of important cultural, historical and religious aspect including CRZ areas.

Initiative taken/proposed by the MPC Board:

- Board has developed web portal for urban local bodies to monitor daily and monthly data for waste generation, segregation, collection, transportation from administrative ward and its proper treatment. All corporations are submitting the details of waste collected, transported and treated in concern wards. Hence it is resulted in self-certification and self-audited by local bodies.
- Board constantly issuing notices/DO letters/directions to the Municipal Corporations/Councils for implementation of SWM Rules, 2016.
- Hon'ble Chairman, has issued Directions under section 5 of the Environment (Protection) Act, 1986 to all local bodies for implementation of Solid Waste Management Rule, 2016.
- Board has initiated the concept of providing financial and technical assistance to Municipal Councils and Nagarpanchayats for setting up Solid Waste Management facility towards abatement and control of pollution.
- Board has prepared Model Tender Document on solid waste management for local bodies and same is hosted on Boards website
- Board has organized Divisional Level Workshop for awareness of Construction and Demolition Management Rules, 2016 and its implementation for ULBs in Aurangabad, Nashik, Kokan, Nagpur and Pune Division in month August 2019 and October 2019.
- Board has constituted Divisional level (as per revenue Division) committees for implementation of Solid Waste Management rule, 2016 for Kokan, Aurangabad, Pune, Nagpur and Nashik division under the Chairmanship of Retd. IAS officers.
- Board has also constituted Technical Advisory Committee for State level for implementation of SWM Rule 2016 in the State of Maharashtra.
- Board has scrutinized of authorizations and the treatment technology prepared by Local Body by MSW Committee. The members of committee are from All India Institute of

Local Self Govt, Ex. Dy. Commissioner of Municipal Corporation of Greater Mumbai
& Ex. Sr. Law Officer, MPCB.

- For effective implementation and compliance of these Rules, Board pursued the matter with Principal Secretary, Urban Development Department, GOM requesting them to look personally into the matter for compliance.
- The Board has conducted workshop with ULBs to create awareness of MSW management. Also took part, supported financially to arrange workshop/seminars in this field & made presentations.
- The “Vasundhara Award” aims to Recognize the efforts of urban local bodies who have made significant contributions to sustainable development and made measurable improvements to their performance, while achieving their own service functions and societal objectives. Put forward role models in sustainable development for urban local bodies, for others to get inspired; align with international best practices of promoting efforts beyond compliance by practicing sustainability.
- The “Green Society Award” aims to encourage environment friendly behavior & management in/of societies and driving and enrolling larger groups into the idea of going green with Waste Reduction, Segregation of waste, Processing at source Recyclable Waste Practices, Zero waste disposal, Bio gas plant, Thermacol and plastic free Society/ Educational Institute, Compost Creation, Recyclable Waste Practices.

Gaps and issues in Implementation:

- Training for the staff in the solid waste management department to improve efficiency and safety standards may be required.
- Quantification of waste data.
- There is lack of personnel operating at the processing facility.
- The current collection and transportation system is not optimized.
- Lack of management skill with Local Bodies
- Non availability of suitable land for handing over to concerned local bodies which are not having their own land.
- Local Community resistance.
- Inadequate finance for management of Solid Waste by Local Bodies
- Selection of proper waste processing technology with respect to quantity of waste generation including waste to energy plants.
- Lack of public awareness/participation.
- Unsegregated Waste at Source.

Suggestions:

- ULBs shall be appoint Environment officer to deal with SWM, C & D waste and other waste management.
- Public awareness and involvement of people in the segregation of waste.
- Provision of adequate financial assistance to ULB for effective implementation of SWM Rules, 2016.
- Suitable technology adaptation to different group of ULB's.
- Form expert group to redefine to site selection criteria considering advance technology and need for decentralize treatment plant.
- May consider of creating authority for selecting, providing and operating the MSW facility by itself or on BOOT basis at each stage.
- Identification of landfill and waste processing sites by State Government and handover to concerned local bodies.
- Research and development on low cost standard models.

Success Stories

1. Latur Municipal Corporation :-

Swachhta Tai : Promoting Segregation through Conversation

- Latur is a Municipal corporation in the Marathwada region of Maharashtra with a population of 3.82 lakhs according to census 2011.
- 100 women are employed as ‘Swachhta Tais’ to promote segregation at source, generating livelihoods and creating a dialogue about household segregation of waste

Implementation

Janadhar Sanstha is providing hand-holding support to Latur Municipal Corporation to increase the segregation at source awareness amongst citizens. One hundred women from across the city are employed to accompany the waste carrying Ghanta Gadis through their allotted wards.

Considering the fact that women are the ones more involved in the practice of giving household waste to Ghanta Gaadis, the model engages women, as Swachhata Tais to create a healthy dialogue with the women of the city. The practice is carried out in 18 wards of Latur Municipal Corporation.

Out of 120 garbage collecting vehicles, 100 are accompanied by Swachhata Tais every morning, who keep a log of families giving segregated waste, and engage in conversation with women of families who don't segregate their household waste



Women involved in Door to Door campaigning say:-
“Conversations + Demonstrations are the key to promoting segregation”

Trainings are conducted for the Swachhata Tais on a regular basis for Capacity Building in terms of Waste Management rules and protocols of interaction with citizens regarding the same. Payment of women involved is done through the DAY-NULM framework. Incentives are offered for achieving a better result in their allotted areas.



2. Vita Municipal Council

Involving stake holders to promote segregation

Vita is a town and Municipal council in Sangli District with a Population of 48 thousand according to census 2011. Total Waste Generated Everyday is 15 Tones.

“Identification and constant engagement with stakeholders in progress of the city is crucial to Vita’s success in Solid Waste Management”

- Mr. Mahesh Rokade, Chief Officer, Vita

All the stakeholders in the city are engaged in periodic meetings/workshops held by the Municipal Council regarding awareness about Segregation of Waste at source. Everyone in the city, right from the waste generators to the ones handling waste are aware of their roles and responsibilities in the scheme of Municipal Solid Waste Management.

1. Identification of Stakeholders,
2. Making them Aware about their roles in Solid Waste Management
3. Establishment of a timely feedback framework
4. Monthly/Quarterly meetings for exchange of ideas/issues,

Various Stakeholders involved and engaged in SWM of Vita:

1. Schools
2. Self-Help Groups
3. Religious Leaders
4. Doctors and Medical Association
5. Market and Traders Associations
6. Meat and Fish traders





Replicability

Implementation of an efficient Solid waste management system demands that all the stakeholders are involved in the process. The Model can be replicated through continuous IEC activities in the city to primarily make citizens aware of the Swachhata drive and then engaging them in conversations about the movement. The Stakeholder participation should have a scheduled timetable for various stakeholders to keep them updated about their roles and responsibilities

3. Shirpur Municipal Council

Route Optimization and Collection schedule in Public Eye.

“It is of utmost importance that the citizens are aware of the functioning of Solid Waste management of a city.”

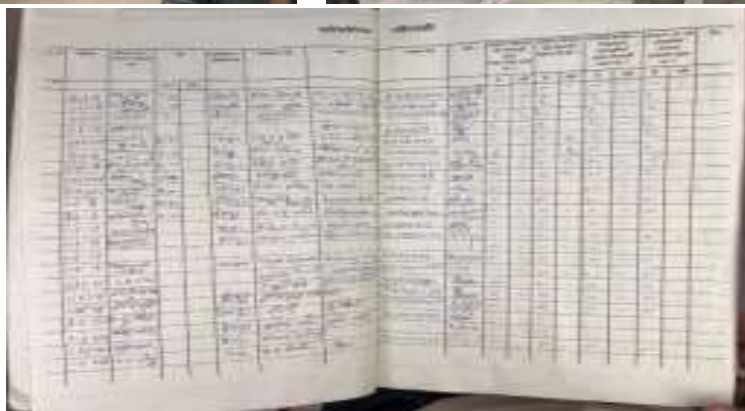
Background:

Shirpur is a Town and Municipal Council in Dhule district with a population of 76 thousand. 27MT waste is generated daily in the city. The city, known for its efficient Irrigation system, is also making an effort to systemise Solid Waste Management.

Implementation:

To make the Solid Waste management of the city more efficient, it is necessary to have a 100% door to door coverage of Waste Collection Vehicles. Shirpur is divided in 30 wards, 12 waste carrying vehicles cater to the households and market areas in these wards. The city has been divided in zones according to the routes of the vehicles. A route is designed taking in consideration, the vehicle capacity, number of households and market areas on the route, and optimum fuel consumption possible by the vehicle.

1. Division of city in zones according to routes.
2. Display of Route timings in prominent public spaces.
3. Maintaining daily logbooks of collection.
4. Establishing an easily accessible feedback system for citizens.





Ward-wise collection schedule on display in Public.

Ward-wise Information displayed on prominent points in the city contain following information:

1. Waste Carrying vehicle registration number.
2. Waste-picking vehicle Driver contact information
3. Mukadam/ Contractor Contact information.
4. Allotted time of waste collection of every Housing Colony in the ward

This ensures a feedback system that is accessible to the citizens for reporting a grievance or a problem. Information about the schedule of waste collection is essential to achieve 100% door to door collection where citizens are aware of the time period when the waste will be collected from their household.

SWM Manual regarding efficient collection and transportation of waste:

“It should be ensured that waste collected from the doorstep in motorized vehicles should be either directly transported to the processing facility or through material recovery facility or transfer station, or waste storage depots for facilitating, sorting, and bulk transfer of waste.

The vehicles used for transportation should be covered and not visible to public. It should have a facility to prevent spillage of waste and leachate en-route to the processing or disposal facility.”

4. Vaijapur Municipal Council

Integration of Rag-pickers in the Solid Waste Management system.

Background

Vaijapur is a town and municipal council in Aurangabad District with a population of 42 thousand. The city generates 3 MT of Waste daily. The city has roped in a Private party to promote segregation at source amongst the citizens as well as streamlining the Solid Waste Management system.

Implementation

Vaijapur's Solid Waste Management started with a mission named as

“माझे वैजापूर स्वच्छ वैजापूर”

(My Vaijapur, Clean Vaijapur). The mission generated awareness about segregation at source. However the city faced issues with finding appropriate markets for the segregated dry waste collected. It was observed that the city has an informal network of rag-pickers, who collect dry waste, and have unwritten agreements with local scrap-dealers and recyclers. The waste recycled through these networks amounted to a total of 20-30% of the waste.

The ragpickers in the city were identified, given formal ID cards. An agreement about a fixed daily wage to be given to the ragpickers was done, the ragpickers could additionally gain revenue from the recyclable waste collected and sold. The daily wages ensure timely disposal and recycling of waste along with providing a steady income to the marginalised community of rag-pickers.



“The informal networks of rag-pickers and waste recyclers are present in every city. Formalizing the same to enhances the solid waste management of a city.”



Rally through the city with School-children, Sanitary staff, and formalised Ragpickers



Waste Carrying vehicles fitted with bags to carry segregated dry waste



Daily log of Dry Waste collected and sold by Ragpickers at the Sorting Shade

Replicability

The Vaijapur model can be replicated by:

1. Identifying Rag-pickers in the city.
2. Providing them with ID cards, allotting wards for collection.
3. Establish a minimum-daily wage system to incentivize participation.
4. Monitor Dry waste collected and sold by the rag-pickers daily.

4. Mouda Municipal council

Plastic to Dustbin

Background:

Mouda Municipal Council in Nagpur District is a city with a population of 14 thousand according to census 2011. a total of 2.5 MT waste is generated daily in the city. Out of which 1MT is dry waste.

Implementation:

Mouda city witnesses a segregation at source percentage of 90-100%. Hence the storage of dry waste generated was becoming in an issue. Mouda Municipal council staff, while trying to find a solution was processing of the plastic waste generated in the city, came across various small-scale industries around the city that recycled plastic waste. a tie-up was established with one of the industries to recycle the plastic waste in the city.

In return of the plastic that the city provide to the recycler, the recycler provides the city with dust-bins manufactured from the same waste. The dustbins are distributed amongst citizens to increase awareness about segregation.

“Finding out already existing plastic recycling facilities around the city can help dispose off a city’s plastic, as well as generate revenue through the same”



The Plastic stored and segregated is transported to the recycler in the city. Where it is cleaned and dried according to the requirement and shredded to granules. The Shredded plastic is then processed and tinted to desired colour. Which is further treated with heat and molded in the desired shapes.

Use of recycled plastic for City Infrastructure:-

The recycled plastic has been used in:

1. PVC pipe barricades for Police
2. Manhole covers
3. Paver blocks



Replicability:

The main aspect of achieving a Zero Waste goal is realizing the recyclable value the Municipal Solid Waste holds. The Mouda model can be replicated by:

1. Purely segregated dry waste, further segregation of different types of plastic recommended.
2. Identifying Waste recycling facilities in the vicinity of the ULB.
3. Establishing a financial tie-up in return of providing raw material for the processing facilities.

4. Vasai -Virar City Municipal Corporation

Garden Waste Composting by Self-Help Groups

Background:

Vasai Virar is a city in the Mumbai Metropolitan Region, administered by Vasai-Virar Municipal Corporation, has a population of 12 lac according to census 2011.

The waste generated in gardens is primarily green wet waste with high potential for composting. The city has 164 gardens of various sizes. The contract for maintenance and cleanliness has been given to various Women Self Help Groups. The self-help groups engaged in the cleanliness of these gardens also process the waste generated in the gardens in-situ. Ms. Farzana Shaikh of Madina Area Level Federation looks after two gardens in the city and the waste processing of the same.



All the gardens in the city are maintained by Self-help groups. The wet waste processed is composted on- site. Compost Produced is packaged in bags of 500gms to 1Kg and marketed to retail users in the city.

Participation of Women in Community engagement

The women of Madina Area Level Federation not only take care of the waste generated in the gardens assigned to them but are also actively involved in campaigning across city about importance of Waste segregation.

Activities Undertaken by the SHG women:

1. Cleaning of garden premises.
2. Cleaning of water bodies in the garden,
3. Processing of wet garden waste,
4. Promoting Segregation at source.

The SHGs or Area Level Foundations are financially compensated under the DAY-NULM scheme. The women engaged in garden maintenance activities are paid Rs.3.5-5 thousand per month, additionally the revenue generated from the compost is divided amongst the members of the ALF.

Replicability

All the ULBs have a strong network of Self-Help Group network, which can be utilized, not only for Garden Maintenance, but also for Door-to-Door IEC Campaigning, and Recycling of Dry Waste. The framework of convergence of DAY- NULM with Swachh Bharat Mission is provided in Depth in the manual: Empowering Marginalized Groups: Convergence Between SBM and DAY-NULM, published March 2018.

Available for Download on:

<https://drive.google.com/file/d/1wpckP7Rezgxcdv3TP9NQugfKPKGZfjHv/view>

4. Sangamner, Karad, Ambernath Municipal councils. Zero waste families

1: Sangamner Municipal Council

Two families in the city of Sangamner, the Khedlekars and Zavors have begun a movement of processing their household wet waste and utilizing it in their terrace gardens. The conscious families have taken the responsibility of processing the wet waste of their neighbors as well. This has resulted in a neighborhood conscious of waste generation and practicing 100% segregation at source. The families, experimenting with ways to process and utilize their wet waste, have succeeded in Urban farming and growing their own vegetables and fruits at times.



Over the years of processing the waste and understanding the science behind it, Mr. Zaavar has designed a metal Compost-Box that helps in a speedy breakdown of the wet-waste.

Zaro waste families continues.....

2: Karad Municipal Council

7 years ago, Mrs. Deshpande decided that she will process all the wet waste generated in house and the premise of her house and will take the onus of responsibility of the waste she creates.

Role of Urban Local Body in Promoting In-situ Processing:

1. Identification of citizens actively processing their household waste.
2. Engaging active citizens in IEC programs.
3. Workshops/ exposure visits for citizens willing to start In-situ processing.



3: Ambernath Municipal Council

Conversion of wet waste to Bio-Enzyme, which is further used in Hydroponic gardening. Barrels, pictured above, are filled with wet waste generated in the housing society.



PART B**Towns/cities**

Total number of towns/cities	: 394
Total number of ULBs	: 387 + 07 Cantonment Boards
Number of class I & class II cities/towns	: Corporations - 27 A Class - 18 B Class - 70 C Class - 146 Nagar Panchayats - 124 Cantonment Boards - 07

Authorization status (names/number) in this year

Number of applications received	: 117
Number of authorizations granted	: 56
Authorizations under scrutiny	: 38
Authorizations Rejected	: 23

SOLID WASTE Generation status

Solid waste generation in the state (TPD)	: 22945.256*
Collected	: 22779.31
Treated	: 16037.26
Land filled	: 6907.98 (Unscientifically Dumping)

* In the Mumbai region, Municipal Corporation of Greater Mumbai has mandated all bulk generator of solid waste i.e. having area greater than 5000 sq. Mtr to provide in-situ treatment of solid waste generated in their premises. This practice is resulted in reduction of waste generation.

Compliance to Schedule I of SW Rules (Number)

Good practices in cities/towns	: 25
House-to-house collection	: 387 ULBs
Segregation at Source	: 344 ULBs
Storage	: 344 ULBs
Covered transportation	: 389 ULBs

Processing of SW (Number) : Solid Waste processing facilities setup for ULBs

Composting	
No. of Cities/ULBs	No. of Plant installed
330	337

Vermicomposting	
No. of Cities/ULBs	No. of Plant installed
82	82

Biogas/Bio-methanization	
No. of Cities/ULBs	No. of Plant installed
41	62

RDF/ Palletization	
No. of Cities/ULBs	No. of Plant installed
17	26

Solid Waste processing facilities setup for Cantonment Boards				
No. of Cantonment Boards	Composting	Vermicomposting	Bio-methanation	RDF
7	3	1	0	0

Processing facility operational:

Sl. No.	Composting	Vermi-composting	Biogas	RDF/ Palletization
	337	82	62	26

Processing facility under installation/planned:

Sl. No.	Composting	Vermi composting	Biogas	RDF/ Palletization
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Waste-to-Energy Plants: (Number)

Sl. No.	Plant Location	Status of operation	Power generation (MW)	Remarks
1	Solapur Municipal Corporation	In operation	4 MW	--

Disposal of solid waste (number):

Landfill site identified	: 320
Landfill constructed	: 18
Landfill under construction	: 302
Landfill in operation	: 18
Landfill exhausted	: --
Land filled capped	: 01

Solid Waste Dumpsites (number):

Total number of existing dumpsites	: 327
Dumpsites reclaimed/capped	: 01
Dumpsites converted to sanitary landfill	: 00

Monitoring at Waste processing/Landfills sites

Sl. No.	Name of Facilities (Corporation/Councils)	Ambient air	Groundwater	Leachate quality	Compost quality	VOCs
1	Mumbai	Done	Done	Done	--	--
2	Navi Mumbai	Done	--	Done	--	--
3	Mira-Bhayander	Done	--	Done	--	--
4	Vasai Virar City	Done	---	Done	---	---
5	Latur	Done	Done	--	--	--
6	Chandrapur	Done	Done	Done	--	--
7	Dhule	Done	--	--	--	--
8	Raigad	Done	Done	--	--	--
9	Pune	Done	Done	Done	--	--
10	Pimpri-Chinchwad	Done	Done	Done	Done	--
11	Aurangabad	Done	Done	Done	--	--
12	Nashik	Done	Done	--	--	--
13	Parbhani	Done	--	--	--	--
14	Amravati	Done				
15	Ulhasnager	Done	--	Done	--	--
16	Solapur	Done	Done	--	--	--
17	Nanded	Done	--	--	--	--
18	Wardha	Done	Done	--	--	--
19	Jalna	Done	Done	Done	--	--
20	Satara	Done	--	--	--	--
21	Mahad	Done	Done	--	--	--
22	Bhandara	Done	Done	--	--	--

Status of Action Plan prepared by Municipalities

Total number of municipalities: 387

Number of Action Plan submitted to urban development department: 384

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