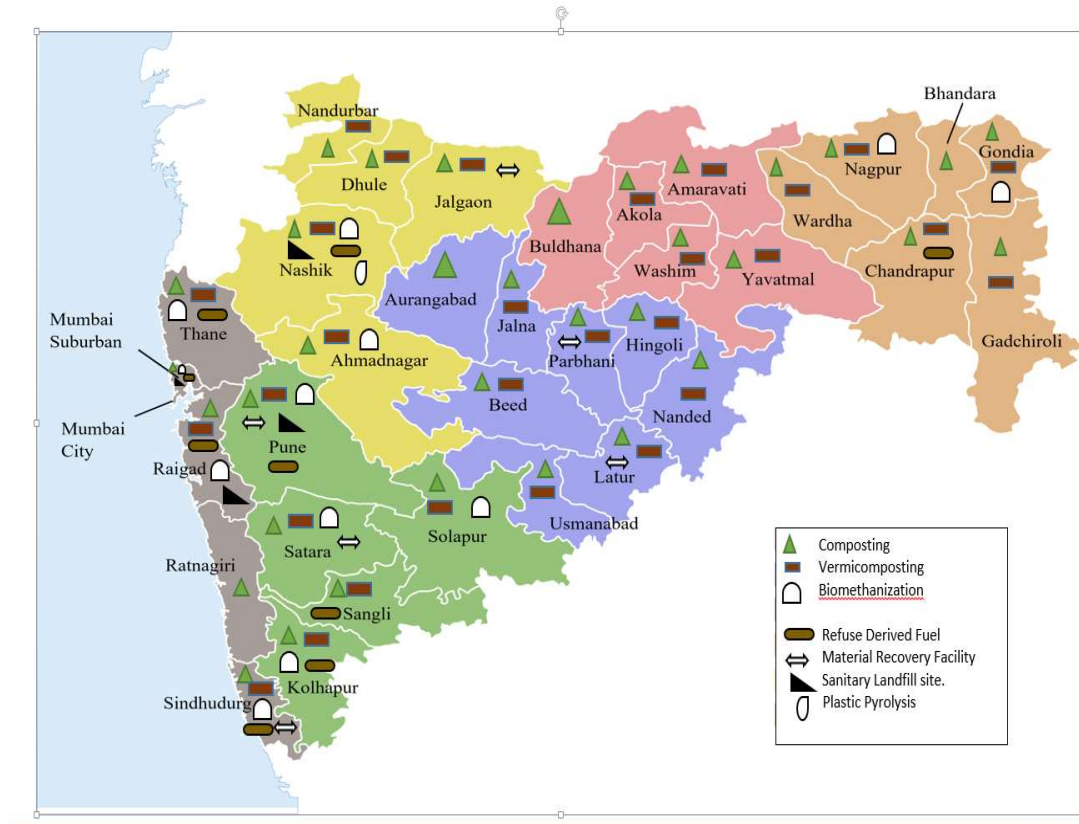


# Implementation of Solid Waste Management Rules, 2016. FOR THE STATE OF MAHARASHTRA

District wise Map of Maharashtra State showing adopted Technologies of Solid Waste Management



(Calendar Year : 2018)




**Maharashtra Pollution Control Board**

**महाराष्ट्र प्रदूषण नियंत्रण मंडळ**

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

**MAHARASHTRA POLLUTION CONTROL BOARD****ANNUAL REPOT - 2018****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	<b>MAHARASHTRA</b>	
2.	Name & address of the State Pollution Control	<b>Maharashtra Pollution Control Board, Sion, Mumbai.400022</b>	
3.	Number of local bodies responsible for management of solid waste in the State/Union territory under these rules	1 Corporations	27
		2 Councils	234
		3 Nagar Panchayat	123
		<b>Total ULBs</b>	<b>384</b>
		4 Cantonment Boards	<b>07</b>
4.	No. of authorization application Received	<b>63</b>	
5.	A Summary Statement on progress made by local body in respect of solid waste management	<b>Annexure-I Attached</b>	
6.	A Summary Statement on progress made by local bodies in respect of waste collection, segregation, transportation and disposal	<b>Annexure-II &amp; IIA Attached</b>	
7.	A Summary statement on progress made by local bodies in respect of implementation of Schedule II	<b>Annexure-III Attached</b>	
	Date: 20/07/2019 Place: Mumbai	 <b>(E. Ravendiran, IAS)</b> <b>Member/Secretary</b> <b>Maharashtra State Pollution Control Board</b>	

**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	234 Cities
3	Nagarpanchayat	123 Cities
4	Total Number of ULBs	384
	<b>Total SW Generated By ULBs</b>	<b>23,707.55 TPD</b>
5	Total Cantonment Boards	07
6	Total SW Generated By Cantonment Boards	137
	<b>Gross Solid Waste Generation (ULBs+ Cantonment Boards)</b>	<b>23844.55 TPD</b>

The solid waste generated by Corporations is 19882.08 MT/Day with share of 83.38 % while generation by “A” class council is 958.60 MT/Day with share of 4.02 %, “B” class council generates 1353.08 MT/Day with share of 5.67 %, “C” class council generates 1079.53 MT/Day with share of 4.53%, Nagar Panchayats generates 434.261 MT/Day with share of 1.82 % and Cantonment Boards contribution is 137 MT/day with a share of 0.57 %.

**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)
384	23707.55	23,540 (99%)	12571 (53%)

Total No. of Cantonment Boards	Total Waste Generated (MT/D)	Total Waste Collected (MT/D)	Total Waste Scientifically Treated (MT/D)
07	137	135.7 (99.05%)	52.3 (38.17%)

Total 12571.03 MT/Day Solid Waste is treated/processed by ULBs by adopting waste treatment technologies achieving overall 52.94% average treatment. The remaining solid waste find its way for unscientific disposal/dumping. Overall average waste segregation is 74.41 % 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.

**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**.

**Annex-I****MAHARASHTRA POLLUTION CONTROL BOARD****STATUS OF ULB's (REGIONWISE ABSTRACT)**

<b>Sr. No.</b>	<b>Name of Region</b>	<b>No. of ULBs</b>
1	Mumbai	1
2	Navi Mumbai	2
3	Kalyan	7
4	Thane	9
5	Raigad	15
6	Kolhapur	37
7	Amaravati	42
8	Chandrapur	43
9	Nagpur	44
10	Pune	45
11	Nashik	60
12	Aurangabad	79
	<b>Total</b>	<b>384</b>

\*384 Local Bodies excluding 07 Cantonment Boards.

**Number of ULBs Regionwise**

<b>Regions</b>	<b>Corporations</b>	<b>Municipal Council "A" Class</b>	<b>Municipal Council "B" Class</b>	<b>Municipal Council "C" Class</b>	<b>Nagar Panchayats</b>
<b>Mumbai</b>	01	--	--	--	--
<b>Navi Mumbai</b>	01	--	--	01	--
<b>Kalyan</b>	03	02	--	--	02
<b>Thane</b>	03	--	02	01	03
<b>Raigad</b>	01	--	01	08	05
<b>Kolhapur</b>	02	01	05	16	13
<b>Amaravati</b>	02	01	14	15	10
<b>Chandrapur</b>	01	01	08	12	21
<b>Nagpur</b>	01	03	07	15	18
<b>Pune</b>	03	03	07	21	11
<b>Nashik</b>	05	02	14	24	15
<b>Aurangabad</b>	04	04	14	32	25
<b>Total</b>	<b>27</b>	<b>17</b>	<b>72</b>	<b>145</b>	<b>123</b>

**Annex-II****Region wise Solid Waste Generation by ULBs**

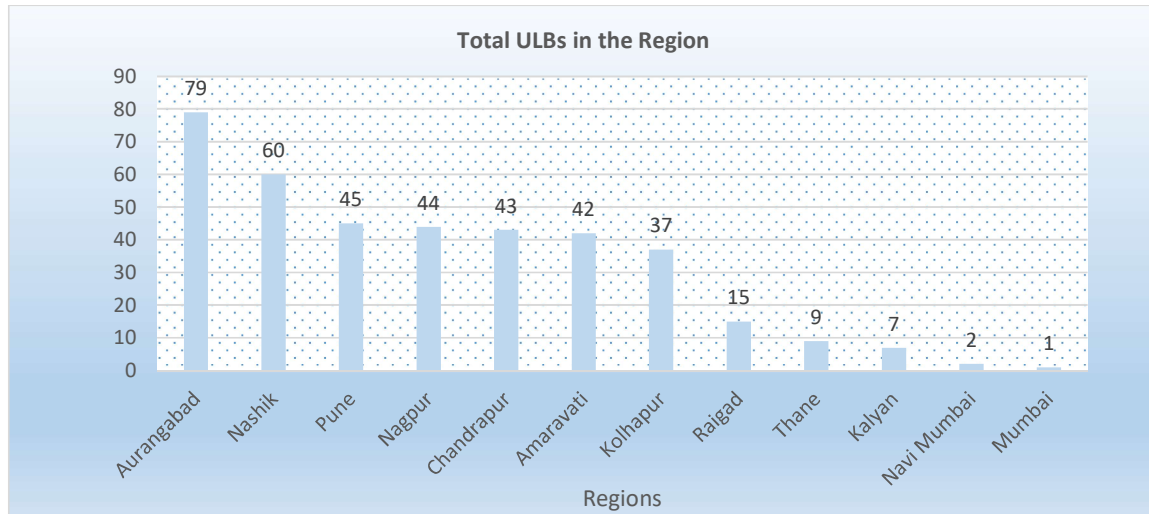
Regions	Municipal Corporations	Municipal Council "A" Class	Municipal Council "B" Class	Municipal Council "C" Class	Nagar Panchayats
Mumbai	7700	--	--	--	--
Navi Mumbai	700	--	--	11	--
Kalyan	1460	222	--	--	10.07
Thane	1935	--	30.3	2.2	3.35
Raigad	470	--	24	64.74	22
Kolhapur	420	88	87.65	113.81	44.17
Amaravati	507	36	237.77	101.19	33.81
Chandrapur	105	60	149.58	96.85	40.671
Nagpur	1200	121.6	141.47	86.2	45.7
Pune	3076.08	136	178.95	182.79	54
Nashik	1318	98	303.5	190.46	76.08
Aurangabad	991	197	199.86	230.29	104.41
<b>Total</b>	<b>19882.08</b>	<b>958.60</b>	<b>1353.08</b>	<b>1079.53</b>	<b>434.261</b>

\*All quantities prescribed above in MT/Day

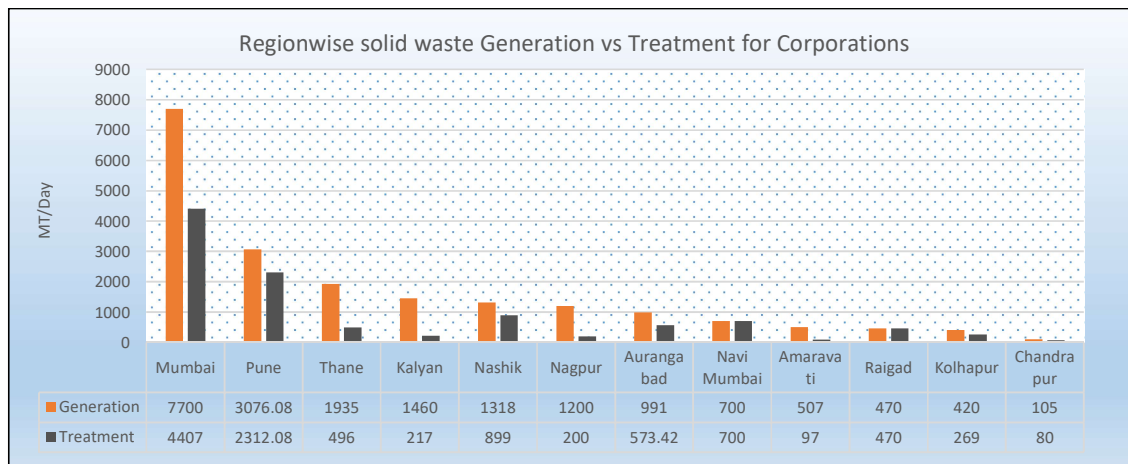
**Region wise Solid Waste Treated/Processed by ULBs**

Regions	Municipal Corporations	Municipal Council "A" Class	Municipal Council "B" Class	Municipal Council "C" Class	Nagar Panchayats
Mumbai	4407	--	--	--	--
Navi Mumbai	700	--	--	4	--
Kalyan	217	48	--	--	1
Thane	496	--	13.3	1.2	2.1
Raigad	470	--	22	52.3	2
Kolhapur	269	30	59.15	70.06	30.4
Amaravati	97	12	80.45	42.2	9.1
Chandrapur	80	14	67.08	52.34	8.45
Nagpur	200	63.02	61.6	52.16	30.86
Pune	2312.08	38.01	150.05	137.01	35.7
Nashik	899	27.5	155.3	97.21	39.1
Aurangabad	573.42	31.01	128.56	134.31	48
<b>Total</b>	<b>10720.5</b>	<b>263.54</b>	<b>737.49</b>	<b>642.79</b>	<b>206.71</b>

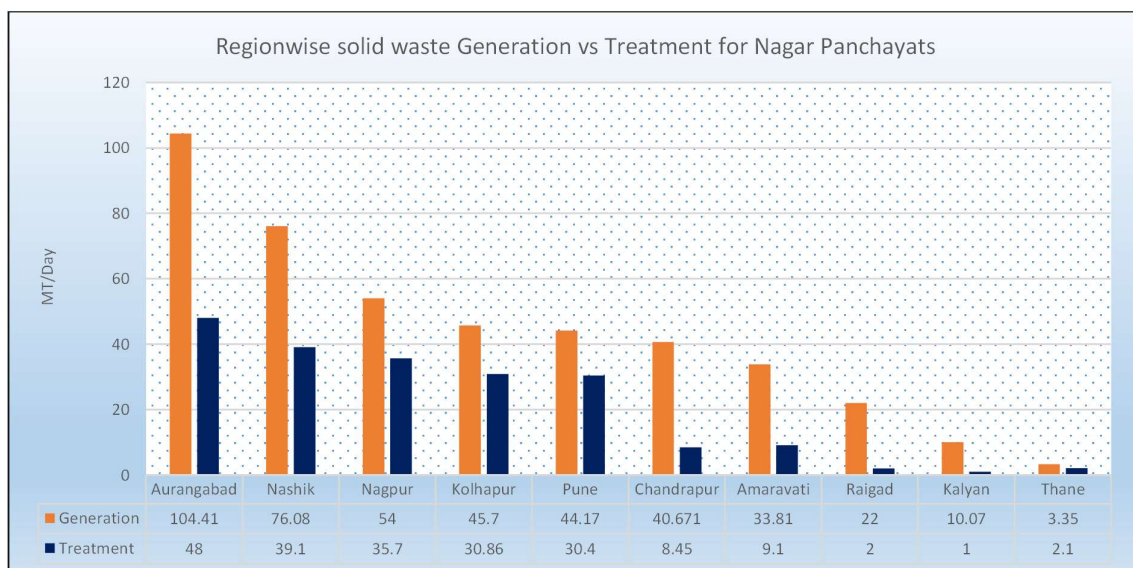
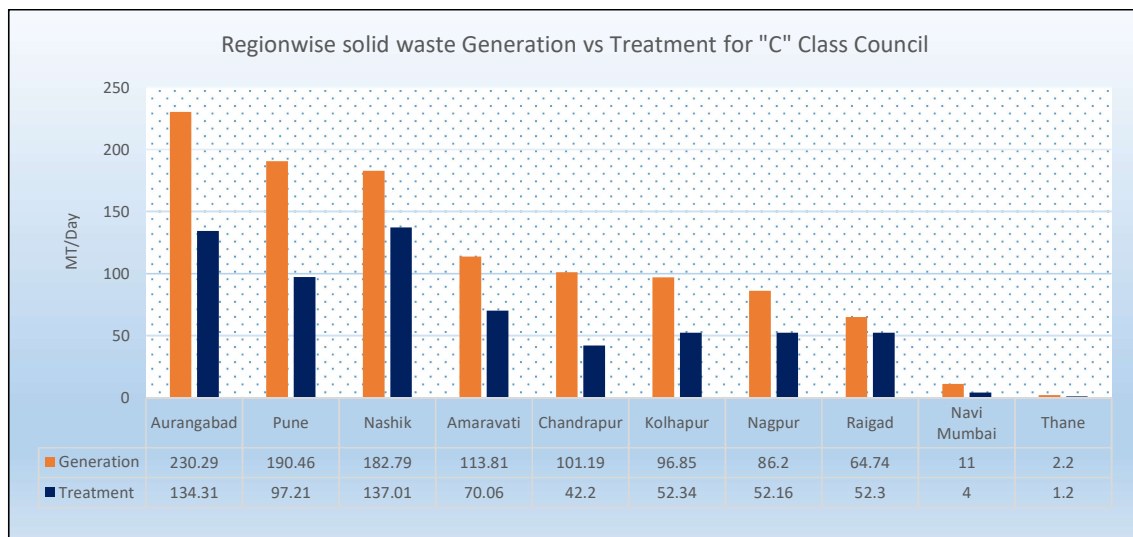
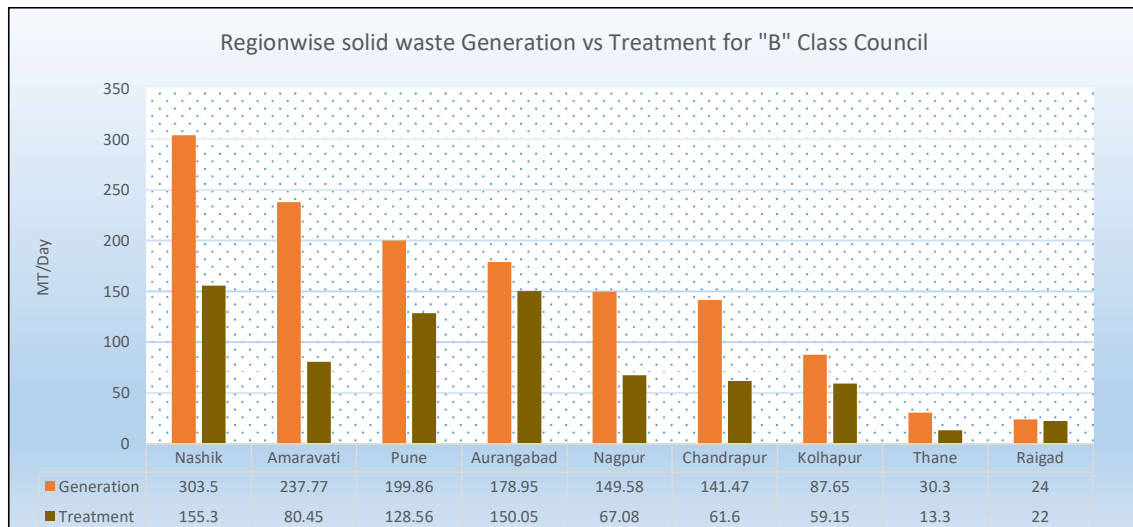
\*All quantities prescribed above in MT/Day



**Graphical representation of solid waste generation vs treatment in the ULBs.**

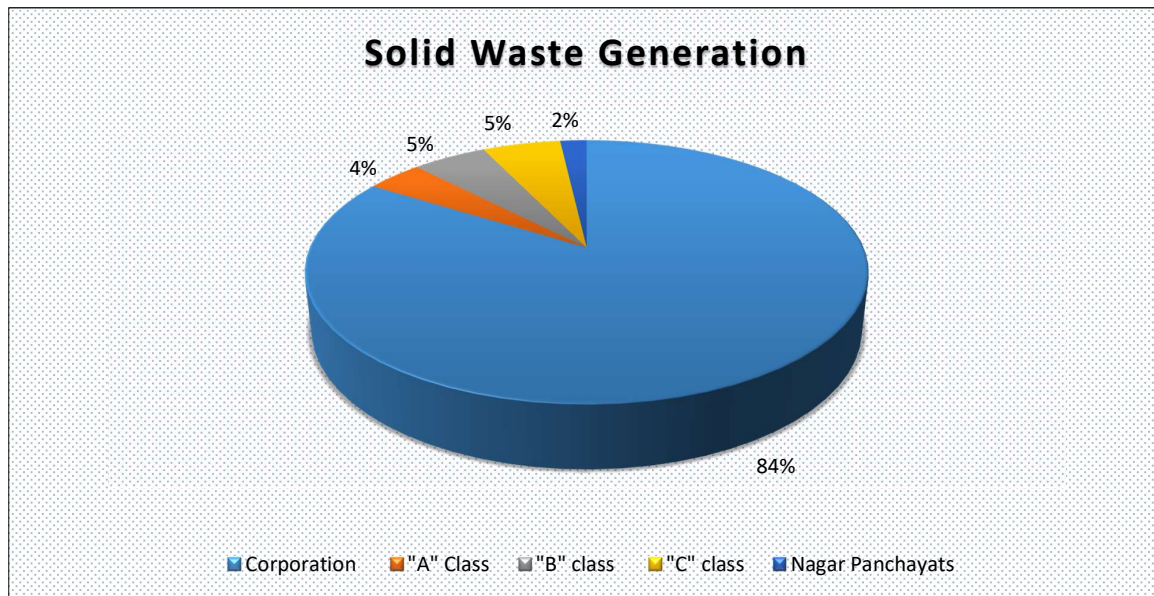






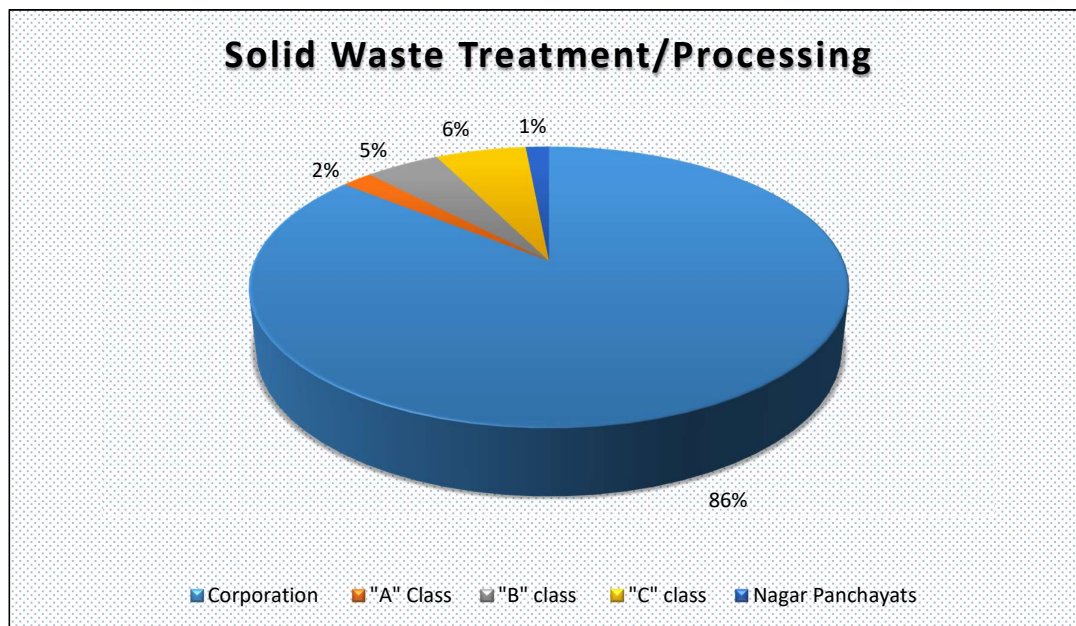
### Solid Waste Generation

Local Body	No. of ULBs	Qty (MT/Day)	Percentage (%)
<b>Municipal Corporation</b>	27	19882.08	83.38
<b>A Class Municipal Councils</b>	17	958.60	4.02
<b>B Class Municipal Councils</b>	72	1353.08	5.67
<b>C Class Municipal Councils</b>	145	1079.53	4.53
<b>Nagar Panchayats</b>	123	434.261	1.82
<b>Total</b>	<b>384</b>	<b>23707.551</b>	
<b>Cantonment Board</b>	07	137	0.57
<b>Gross Total</b>	<b>391</b>	<b>23844.551</b>	<b>100 %</b>



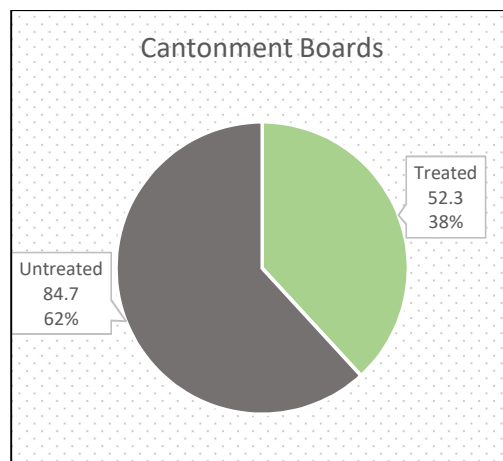
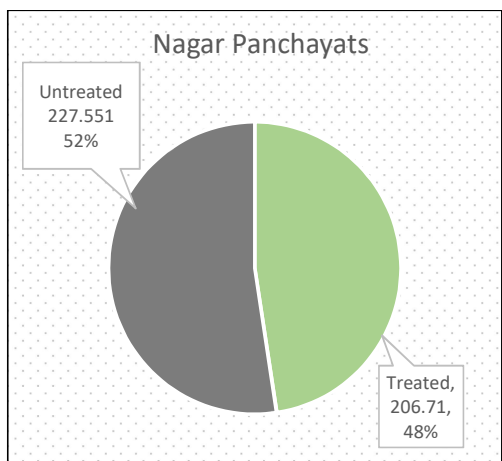
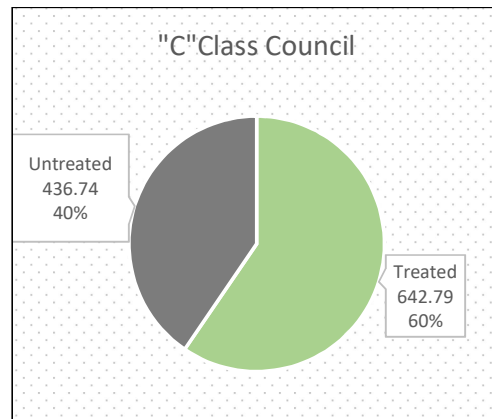
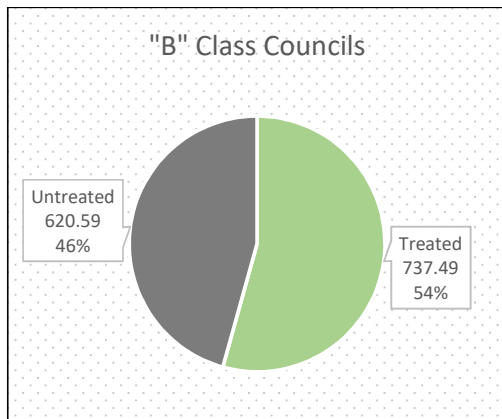
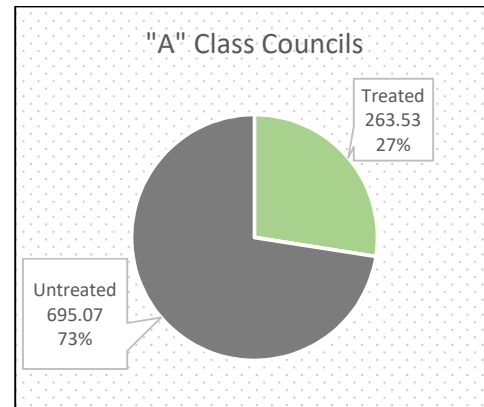
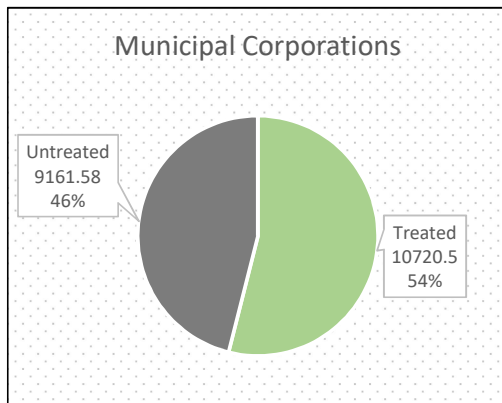
### Solid Waste Treatment

Local Body	No. of ULBs	Qty (MT/Day)	Percentage (%)
<b>Municipal Corporation</b>	27	10720.5	84.93
<b>A Class Municipal Councils</b>	17	263.54	2.09
<b>B Class Municipal Councils</b>	72	737.49	5.84
<b>C Class Municipal Councils</b>	145	642.79	5.09
<b>Nagar Panchayats</b>	123	206.71	1.64
<b>Total</b>	<b>384</b>	<b>12571.03</b>	
<b>Cantonment Board</b>	07	52.3	0.41
<b>Gross Total</b>	<b>391</b>	<b>12623.33</b>	<b>100%</b>



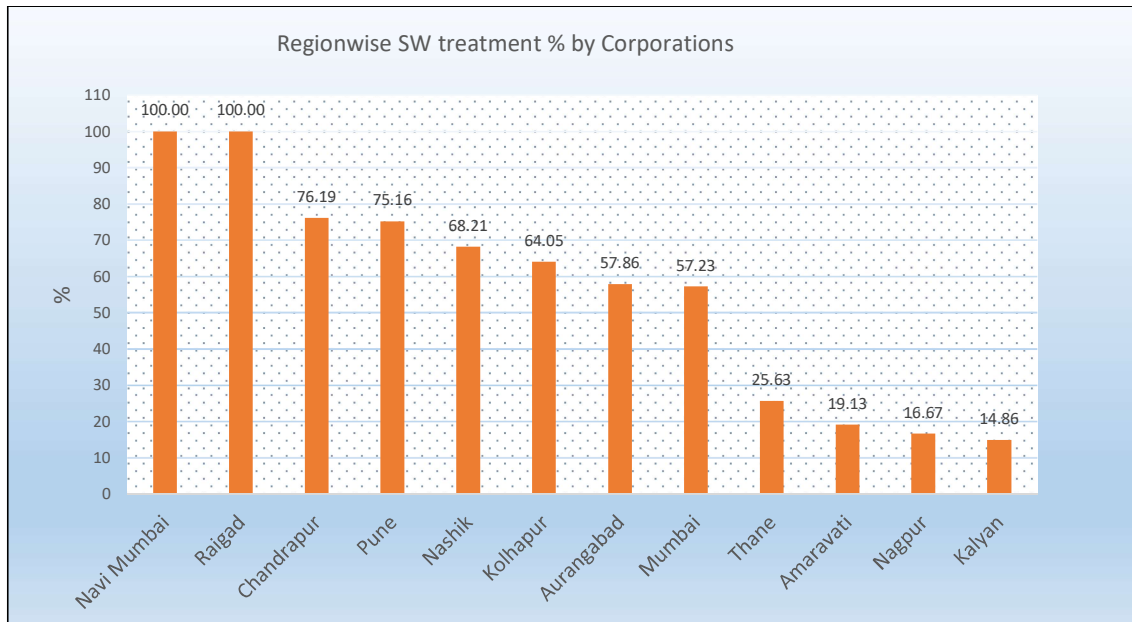
# **Graphical representation of percentage wise treated and untreated waste in the ULBs.**

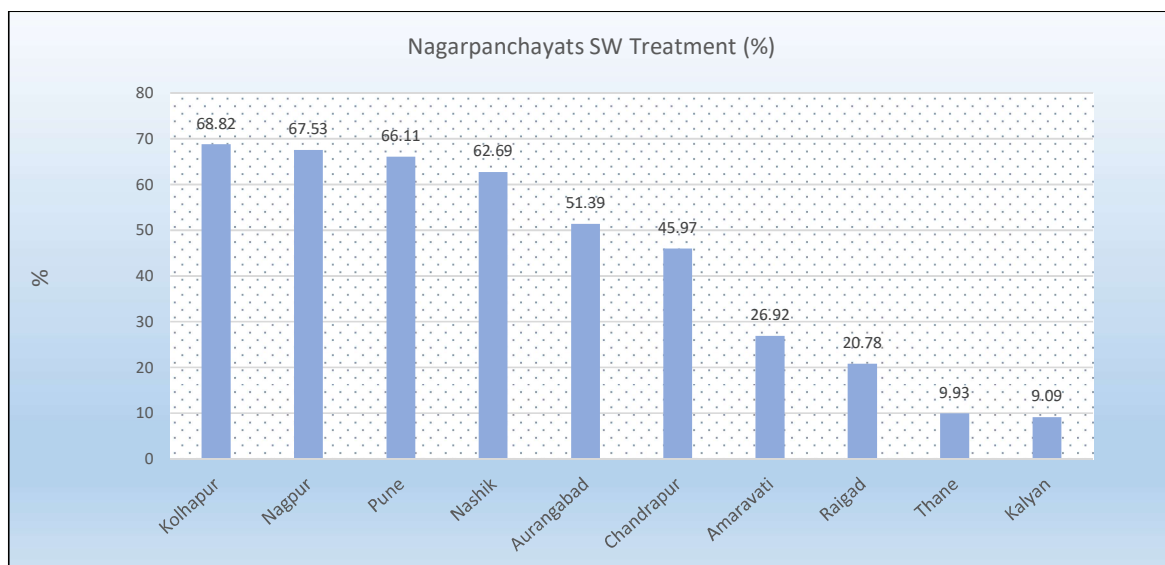
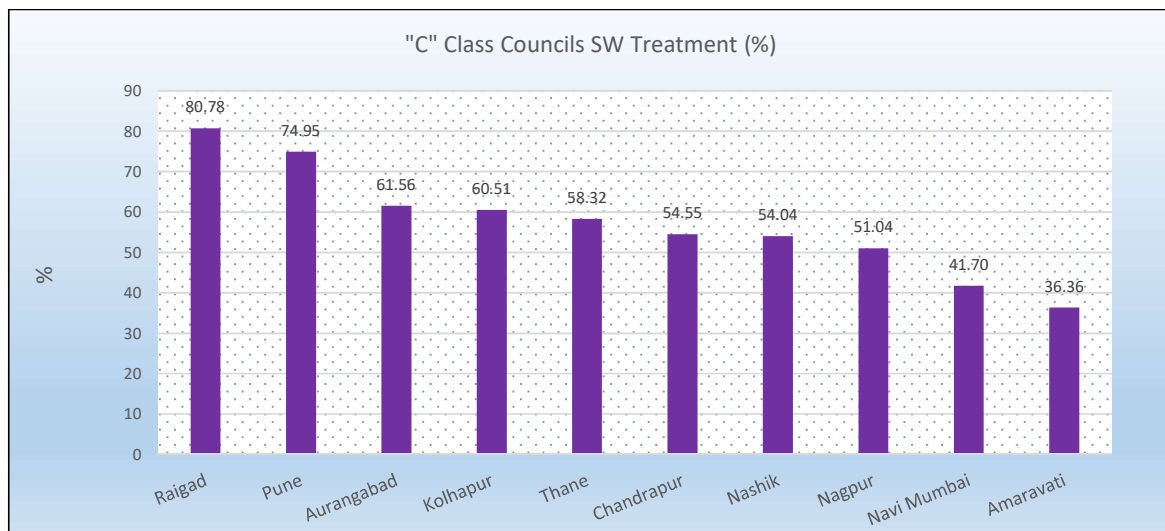
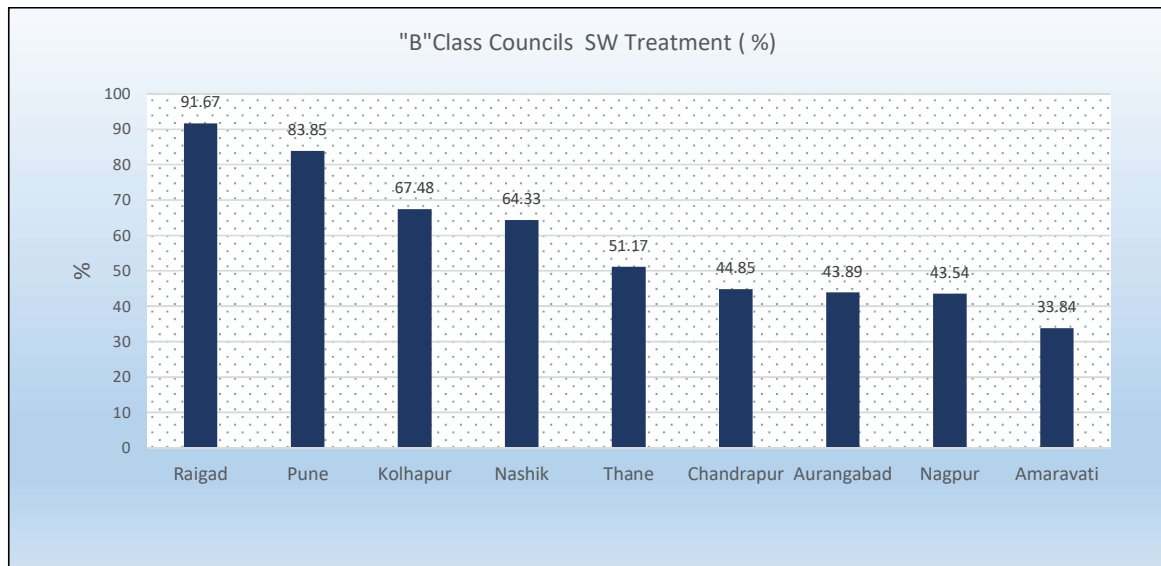
(Treated and Untreated Values are in MT/Day)





### Graphical representation of treatment percentage of ULBs.





**Annex-III**

**MAHARASHTRA POLLUTION CONTROL BOARD  
PRESENT STATUS OF ULBs IN MAHARASHTRA**

<b>MUMBAI REGION</b>									
<b>Sr. No.</b>	<b>Name of ULB</b>	<b>Class</b>	<b>Population</b>	<b>MSW Generation MT/Day</b>	<b>MSW Treated MT/Day</b>	<b>MSW Processing facility</b>	<b>Transport Facility</b>	<b>Segregation %</b>	<b>Transport %</b>
<b>1</b>	Municipal Corporation of Greater Mumbai	Corp A (Metro City)	1,40,60,672	7700	4407	Bioreactor landfill, composting, RDF, Leachate treatment	T3-1000 T4-720	82.92	100

<b>NAVI-MUMBAI REGION</b>									
<b>Sr. No.</b>	<b>Name of ULB</b>	<b>Class</b>	<b>Population</b>	<b>MSW Generation MT/Day</b>	<b>MSW Treated MT/Day</b>	<b>MSW Processing facility</b>	<b>Transport Facility</b>	<b>Segregation %</b>	<b>Transport %</b>
1	Navi Mumbai M. Corporation	Corp C	1120000	700	700	Segregation, Aerobic Composting RDF, Plastic recycling & Leachate treatment system, SLF	T3-69 T4-50 R-08	100	100
2	Uran M. Council	C	28,620	11	4	Composting	T3-08	100	100

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 M. Corporation	Corp B	18,00,000	860	110	Compostin, Vermi-composting, Bio Methanazation	T3-38 T4-169	60	100
2	Vasai Virar City M. Corporation	Corp C	1901273	625	356	Composting Vermi-composting	T2-23 T4-118	80	100
3	Mira-Bhayander M. Corporation	Corp D	8,14,000	450	30	Composting, RDF	T3-42 T4-82	70	95
4	Dahanu M. Council	B	50,287	8.3	6.3	Composting	T2-03	80	100
5	Palghar M. Council	B	68,930	22	7	Composting	T2-19	80	100
6	Jawahar M. Council	C	12,040	2.2	1.2	Composting	T2-04	70	100
7	Mokhada Nagar Panchayat	NP	10,272	0.15	0.1	Composting	T-2	60	68
8	Talasari Nagar Panchayat	NP	18,722	1.2	0	Dumping	T1-8	0	100
9	Vikramgad Nagar Panchayat	NP	8,340	2	2.0	Composting	T2-02	80	100



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	Kalyan Dombivali M. Corporation	Corp C	15,47,000	650	29	Bio Methanization & composting. 930 KVA W to E Plant.	T1-05 T2-03 T3-60 T4-16 R-106	11.45	100
2	Bhiwandi Nizampur City Mun. Corporation	Corp D	709664	450	180	Composting	T4-07	35	100
3	Ulhasnagar M. Corporation	Corp D	506098	360	8	Composting	T3-09 T4- 23 R- 09	38.72	98
4	Ambernath M. Council.	A	253475	154	5	Vermi-composting	T3-1 T4-66	70	100
5	Kulgaon Badlapur M. Council	A	174226	68	43	Bio Methanization & composting Bio-M- 5TPD capacity Pit Composting- 6 TPD Hip Composting- 12 TPD	T3-01 T4-43	80	100
6	Shahapur Nagar panchayat	NP	11,623	3.75	0	Dumping	T2-03 T4- 02	25	100
7	Murbad Nagar panchayat	NP	21,080	6.32	1.0	Composting	T2-02 T4-02 R- 01	25	100

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 M. Corporation	Corp D	5,09,901	470	470	Composting, RDF, SLF		60	100
2	Khopoli M. Council	B	71,141	24	22	Composting, WTE,	T4-14	90	100
3	Mahad M. Council	C	27,531	11	8	Biogas	T2-01 T4-06	100	100
4	Shriwardhan M. Council	C	15,123	4.5	4.5	Composting	T4-03	90	85
5	Alibag M. Council	C	20,743	6.99	5.25	Composting, Biomethazation	T2-01 T3-01 T4-20	60	82
6	Murud Janjira M. Council	C	12,228	4.25	2.55	Composting		85	100
7	Pen M. Council	C	37,852	15	15	Windrow composting	T3-05 T4-11	90	100
8	Karjat M. Council	C	29,663	10	10	Composting Vermi-composting, Biomethnization	T2-01 T4-06	100	100
9	Matheran M. Council	C	4393	3	3	Bio Methanization	T1-4	100	100
10	Roha M. Council	C	20,859	10	4	Bio Methanization	T2-02 R-06	80	100
11	Poladpur Nagar panchayat	NP	5,944	3	1.5	Composting, Vermi-composting	R-03	80	100
12	Mangaon Nagar panchayat	NP	18,740	11	0	Dumping	T4-5	40	100
13	Khalapur Nagar panchayat	NP	6421	3	0	Dumping		0	100
14	Tala Nagar Panchayat	NP	6,981	2	0.5	Composting	T2-2	80	100
15	Mhasla Nagar Panchayat	NP	10,127	3	0	Dumping	T2-1	70	100

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 M. Corporation.	Corp D	6,07,419	200	200	Composting, Bio Methanization, RDF, Waste to Energy (0.2 MW)	T2-02 T3-13 T4-20 R- 210	80	100
2	Sangli Miraj Kupwad M. Corporation	Corp D	5,57,000	220	69	Composting	T2-02 T3-15 T4-18 R-52	100	100
3	Ichalkaranji M. Council	A	2,92,060	88	30	Composting	T2-20 T3-04 T4-53	80	100
4	Chiplun M. Council.	B	72,264	15	5.5	Composting	T4-10	80	100
5	Jaysingpur M. Council	B	48,510	17	10	Composting	T2-06 T3-02 T4-04 R-08	85	95
6	Ratnagiri M. Council	B	76,229	22	20	Composting	T4-18	100	100
7	Vita M. Council	B	48,289	15.15	15.15	Composting Vermicomposting , RDF	T2-02 R-10	96	100
8	Urun Islamapur M. Council	B	76,405	18.5	8.5	Composting Vermi-composting	T3-05 R-16	100	100
9	Khed M. Council	C	16,892	6	3	Composting	T4-06	80	100
10	Kagal M. Council	C	34,106	15	6	Vermi composting, WTE	T3-01 T4-03 R- 08	95	95
11	Gadhinglaj M. Council	C	27,185	12	4.5	Vermi-composting,	T2-04 T4-05	100	100
12	Panhala Hill Station M. Council	C	3,121	1.1	0.66	Composting	T2-03	100	100
13	Kurundwad M. Council	C	22,372	4.85	3.5	Composting	T4-12	85	100
14	Sawantwadi M. Council	C	23,851	11	11	Composting and RDF	T2-02 T4-02 R-02	100	100
15	Malvan M. Council	C	16,448	2.5	1.5	Composting, Vermicomposting	----	100	100
16	Murgad M. Council	C	11,194	3	1.62	Composting	T2-02 R- 04	100	100
17	Malkapur M. Council	C	5,339	1.35	1.35	Composting	T2-01 R-02	100	100
18	Vadgaon M. Council	C	25,651	8.47	8.47	Composting	T2-02 T3-01 R-05	90	100

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing facility	Transport Facility	Segregation %	Transport %
19	Vengurla M. Council	C	12,392	3	3	Composting, Vermi-composting, Biomethanization.	T2-01 T3-01 T4-07	100	100
20	Rajapur M. Council	C	9,753	3	2.8	composting	T2-01 T4-02	100	100
21	Ashta M. Council	C	37,105	9	3.5	Composting	T2-01 T4-01 R-06	85	100
22	Tasgaon M. Council	C	37,945	15.85	15.85	Composting Vermi-composting	T2-01 T4-10	85	100
23	Jath M. Council	C	35,336	13.36	0	Dumping	T2-02 R-04	30	90
24	Palus Municipal Council	C	26,151	4.33	3.31	composting	T2-2 T4-6	100	100
25	Mandangad Nagar panchayat	NP	3,592	1.2	1.2	Pit Composting	T4-01	90	100
26	Dapoli Nagar Panchayat	NP	15,713	9	5	Bio-Methanization	T2-02 T4-03	90	100
27	Guhagar Nagar panchayat	NP	7,299	2.2	1.2	Composting	R-02	100	100
28	Kankwali Nagar Panchayat	NP	16,398	5	5	Composting, Vermicomposting, MRF	T1-10 T2-03 R-02	100	100
29	Devrukh Nagar Panchayat	NP	13,608	1.5	1.5	Composting	T2-01 T4-04	85	85
30	Lanja Nagar Panchayat	NP	18,286	2	2	Composting	T2-04 T4-02	80	100
31	Devgad jamsande Nagar Panchayat	NP	15,957	2.1	2	Composting	T4-3	80	100
32	Kasai-Dodamarg Nagar Panchayat	NP	3,811	1.35	1.1	Composting	T4-1	95	95
33	Vaibhavwadi Nagar Panchayat	NP	2,297	1	1	Composting	T2-01	70	100
34	Kudal Nagar Panchayat	NP	19,474	5	2	Composting, MRF	T2-01 T4-04	100	100
35	Khanapur Nagar Panchayat	NP	6,457	1.3	0.78	composting	T4-1	100	80
36	Kadegaon Nagar Panchayat	NP	11,821	5	3.5	Composting	T2-2 T4-2	100	100
37	Kavthemahakal Nagar Panchayat	NP	17,390	7.52	4.12	Composting	T2-6 R-2	80	80

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 M. Corporation	Corp A	42,00,000	1952	1202	Composting Vermi-composting RDF,25 Bio-Methanation plant, Waste to Energy.	T2-18 T3-44, T4-670 R-50	70	100
2	Pimpri Chinchwad municipal corporation	Corp B	2331570	874.08	874.08	Composting Vermi-composting RDF, WTE, sanitary landfill	T3-44 T4-59, R- 300	90	100
3	Solapur M. Corporation	Corp D	9,51,558	250	236	Composting, Vermi-copmposting and Waste to Energy	T3-16 T4-225 R- 115	85	100
4	Baramati M. Council	A	108152	27	21.5	Composting Bio Methanation, MRF	T2-01 R-22	95	100
5	Satara M. Council	A	120195	70	12.51	Wndrow Composting, MRF	T2-06 T3-04 R-95	80	100
6	Barshi M. Council	A	118722	39	4	Composting	T2-06 T3-05 R-25	70	100
7	Daund M. Council	B	49450	18.2	13.9	Composting Bio-methanization	T2-02 R-12	90	100
8	Pandharpur M. Council	B	98,223	38	30	Bio-methanization	T2-02 T3-05 T4-55	80	100
9	Talegaon Dabhade M. Council	B	56,435	20	19	Composting Vermi-composting	T2-14	95	100
10	Lonavala M. Council	B	72,698	45	39.9	Composting, Bio-methanization WTE,MRF	T2-02 R-22	100	100
11	Karad M. council	B	74355	28.3	28.3	Bio Methanization, Compositing ,MRF	T2-04 T3-02 T4-1 R- 20	100	100
12	Phaltan M. Council	B	56,589	16.2	11	pit Composting	T2-01 R-16	100	100

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing facility	Transport Facility	Segregation %	Transport %
13	Akkalkot M. Council	B	40,103	13.25	7.95	Composting	T2-02 R- 12	90	100
14	Indapur M. Council	C	25,515	6	5	Composting	T2-02 R-12	90	100
15	Bhor M. Council	C	18,453	6	3.7	Composting	T3-01 T4-01 R-06	100	100
16	Jejuri M. Council	C	14515	7	6.8	Composting	T2-02 T4-04	100	100
17	Saswad M. Council	C	31,821	12.5	12.5	Composting	T2-02 T4-05	80	100
18	Junnar M. Council	C	25315	6	5.7	Composting	T4-05	90	100
19	Shirur M. Council	C	37,111	12	12	Composting	T4-02 T2-02	90	100
20	Alandi M. Council	C	28,645	20	17	Composting	T2-04 T3-03 T4-10	85	100
21	Dudhani M. Council	C	12,020	3	1	Composting	T1-01	25	100
22	Maindargi M. Council	C	12,363	3.3	3.1	Composting	T2-01 T3-03 R-06	100	100
23	Mangalwedha M. Council	C	21,824	5.6	5.6	Composting	T2-02 R-07	100	100
24	Sangola M. Council	C	34,321	11.32	11	Composting	T2-03 R- 10	100	100
25	Rajgurunagar M.council	C	28,592	15	15	Composting	T2-06 R-01	100	100
26	Chakan M.council	C	41,113	20	0.81	Composting	T2-05 T3-01 T4-19	60	100
27	Wai M. Council	C	42,000	14.75	5.6	Composting	T2-04 T3-02 R-40	100	100
28	Mahabaleshwar M. Council	C	13393	7	7	Mechanical composting	R-09	100	100
29	Panchgani M. Council	C	14894	7.2	7.2	Mechanical composting		100	100

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing facility	Transport Facility	Segregation %	Transport %
30	Rahimatpur M. Council	C	17633	1.8	1.2	Composting	T2-1 R-03	100	100
31	Mhaswad M. Council	C	24,120	4.5	2	Composting, Vermi-Composting	T2-01 R-02	60	100
32	Kurduwadi M. Council	C	22,468	5.8	5.1	Composting	T3-01 T4-03 R-06	95	100
33	Karmala M. Council	C	23,199	7.32	3	Composting	R-03	90	90
34	Mohol Municipal council	C	27,833	6.7	6.7	Composting		50	100
35	Malkapur Nagar panchayat	NP	31671	9	8.5	Composting, Biomethanization	T-03 T4-06 R-04	98	100
36	Dahiwadi Nagar panchayat	NP	15845	5	4	Composting	T2-02 R-01	100	100
37	Patan Nagar Panchayat	NP	13779	8	6	Composting	T2-01 R-04	90	100
38	Medha Nagar Panchayat	NP	4678	0.9	0	Dumping	T2-1	0	100
39	Koregaon Nagar panchayat	NP	23944	8	5	Composting	T2-3 R-4	90	100
40	Khandala Nagar panchayat	NP	6832	2.7	1	Composting	T4-2	100	100
41	Shirala Nagar Panchayat	NP	15665	3	2.4	Composting	T1-08 T2-01 R-02	100	100
42	Lonand Nagar Panchayat	NP	18480	5.2	5.2	Composting	T4-06	100	100
43	Vaduj Nagar Panchayat	NP	17636	3.5	2.2	Composting	T4-06	80	100
44	Madha Nagar Panchayat	NP	11,027	2.5	0.9	Composting	T2-1 T4-4	70	100
45	Malshiras Nagar panchayat	NP	21,985	6.2	0.5	---		0	100

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	Nashik M. Corporation.	Corp B	17,00,000	550	550	Composting , RDF, Biomethanation, SLF, Plastic processing plant, Carcass incineration	T4-206	80	100
2	Ahmednagar M. Corporation	Corp D	346755	135	120	Composting, Leachetes treatment	T2-24 T4-02 R- 30	60	90
3	Dhule M. Corporation.	Corp D	446014	178	20	vermi composting	T2-20 T3-01 T4-10	100	100
4	Malegaon M. Corporation	Corp D	484228	235	204	Composting Vermi-composting,	T2-2 T3-8 T4-64 R-35	60	90
5	Jalgaon M. Corporation.	Corp D	5,17,494	220	5	Composting	T2-20 T3-12 T4-08	10	100
6	Nandurbar M. Council	A	1,11,037	40	3.5	Composting	T2-04 T4-20	90	100
7	Bhusawal M. Council	A	1,87,421	58	24	Composting	T3-02 T4-26	100	100
8	Sangamner M. Council	B	65804	25	25	Composting	T2-03	80	100
9	Kopergaon M. Council	B	65,273	22	13.6	Composting	T2-02 T4-16	80	100
10	Shrirampur M. Council	B	89,283	24.5	14.5	Composting Vermi-composting	T2-09 T4-12	80	85
11	Dondaicha M. Council	B	46,767	15	15	Composting	T2-02 R-05	100	100
12	Shahada M. Council	B	61,376	14	5	Composting,	T2-03 T4-13	80	100
13	Shirpur M. Council	B	76,905	12	12	Vermi-composting	T2-03 T4-02	100	100
14	Chopada M. Council	B	72,783	18	8	Composting.	T2-02 R-10	100	100



Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing facility	Transport Facility	Segregation %	Transport %
15	Pachora M. Council	B	59,609	20	10	Composting	T2-01 R-11	75	100
16	Amalner M. Council	B	95,994	40	8	Composting	T2-05 T3-01 T4-18	80	100
17	Chalisgaon M. Council.	B	97,551	33	6	Composting, Vermi-composting	T2-06 T3-01 R-14	60	90
18	Yeola M. Council	B	53,901	22	8	Composting	T2-02 T3-01 T4-12	92	100
19	Manmad M. Council	B	80,058	20	12	Composting	T1-8 T3-04 T4-05 R-13	100	100
20	Sinnar M. Council	B	65,299	22	5.6	composting	T2-06 T4-06	90	90
21	Jamner M. Council	B	46,762	16	12.6	Composting	T2-02 T4-12	80	100
22	Bhadgaon M. Council	C	37,214	12	10	Composting, MRF	T4-08	100	100
23	Dharangaon M. Council	C	35,375	5	3	Composting	T2-01 R-04	70	100
24	Faizpur M. Council	C	26,602	4.5	2.16	Composting	T2-04 R-05	80	100
25	Deolali Pravara M. Council	C	30997	10.84	5.5	Composting	R- 06	85	100
26	Rahuri M. Council	C	43,060	12.5	9.25	Vermi-composting Composting	T1-03 T3-01 T4-02 R- 02	85	100
27	Pathardi M. Council.	C	27,211	7	5.5	Composting	T4-07	80	100
28	Rahata. M. Council	C	22,335	6.9	3.3	Vermi-composting	T2-02 T3-01 R- 02	100	80
29	Shrigonda M. Council	C	31,134	6	3.5	Composting	T2-01 T3-01 T4-06	0	100
30	Shevgaon municipal Council	C	38,375	20	0	Dumping	T2-4 T4-10	70	90

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing facility	Transport Facility	Segregation %	Transport %
31	Jamkhed Municipal Council	C	39,551	7.01	0	Dumping	T4-08	80	85
32	Taloda M. Council	C	26,363	3.1	1.7	Composting	T2-02 T4-04	100	100
33	Navapur M. Council	C	37,000	7	1	Vermi-composting	T2-02 T4-04	60	100
34	Savda M. Council	C	20,584	7	3.5	Composting	T2-01 R- 04	70	100
35	Yawal M. Council	C	36,706	10	6	Composting	T2-03 R- 06	90	83
36	Erandol M. Council	C	34,114	5.4	5.4	Composting	T2-01 T3-01 T4-05	100	100
37	Parola M. Council	C	40,000	12	4	Composting	T4-01 R-04	100	100
38	Raver M. Council	C	27,039	7	4.9	Composting	T2-03 R-02	90	100
39	Varangaon Municipal Council	C	28,410	8.5	6.5	Composting	T2-01 T3-01 T4-05	70	100
40	Nandgaon M. Council	C	23,604	6.01	2	Composting	T2-02 R-04	80	90
41	Bhagur M. Council	C	12,353	2	0.8	Composting	T3-03	70	100
42	Satana M. Council	C	37701	11	4	Composting,	T2-02 R-10	100	100
43	Trimbakeshwar M. Council	C	13,383	5	5	Composting Bio Methanation	T2-01 R-05	100	100
44	Igatpuri M. Council	C	34,215	7.2	7.2	Composting	T2-01 T4-05	70	100
45	Chandwad M. Council	C	25,341	7.5	3	Vermi-composting	T2-02 R-03	70	100

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing facility	Transport Facility	Segregation %	Transport %
46	Karjat Nagar panchayat	NP	20334	4.28	1.25	Composting	T2-02 R-02	60	100
47	Parner Nagar Panchayat	NP	13119	5	5	Composting	R-03	80	100
48	Shirdi Nagar Panchayat	NP	36,004	22.5	16	Composting, Biomethanization	T2-05 T3-01 T4-19	98	100
49	Akole Nagar Panchayat	NP	19,814	4	3	Composting	T2-01 T4-05	80	100
50	Newasa Nagar panchayat	NP	22,618	3	0	Dumping	T2-01 T4-05	90	100
51	Sakri Nagarpanchayat	NP	21,007	2.5	0.5	Composting	T2-01	80	100
52	Dhadgaon Wadphalya - Roshmal BK Nagar Panchayat	NP	11,908	1.7	0.5	Composting	T2-01 T4-06	60	100
53	Sindkheda Nagarpanchayat	NP	24,566	3	2.1	Composting	T2-02 R-06	80	100
54	Bodwad Nagar Panchayat	NP	24,221	7	2.0	Vermi-composting	T2-02 R-05	60	100
55	Deola Nagar Panchayat	NP	12049	3.9	0.5	Composting	T2-1 R-3	40	100
56	Dindori Nagar Panchayat	NP	17734	4.5	3	Composting	T2-3 R-1	80	100
57	Kalwan Nagar Panchayat	NP	20541	6	3	Composting	T2-2 R-6	60	100
58	Niphad Nagar Panchayat	NP	20249	6	0.75	Composting	T2-3	70	100
59	Peth Nagar Panchayat	NP	6858	1.8	1.5	Composting	T2-2 R-7	80	100
60	Surgana Nagar Panchayat	NP	6263	0.9	0	Dumping	T1-1 T2-1	80	100

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	Amravati M. Corporation	Corp D	647057	292	97	Pit Composting	T2-2 T3-04 T4-40	60	100
2	Akola M. Corporation	Corp D	590591	215	0	Dumping	T1-12 T3-13 T4-01	70	100
3	Achalpur M. Council	A	1,12,311	36	12	Composting	T2-10 R-40	70	100
4	Akot M. Council	B	92,637	19.45	0	Dumping	T2-04 R-20	50	100
5	Balapur M. Council	B	44,594	11	0	Dumping	T2-2 T4-04	45	45
6	Murtizapur M. Council	B	38,554	10	3	Composting	T4-04 R- 12	45	100
7	Chikhli M. Council	B	57,889	15.95	1	Composting	T2-03 T4-19	80	100
8	Nandura M. Council	B	44,419	12	1.52	Composting	T2-03 T4-08	30	100
9	Shegaon M. Council	B	68,372	19	17	Composting	T2-02 T4-02 R-17	90	100
10	Mehakar M. Council	B	45,248	10.5	1	Composting	T2-04	30	100
11	Khamgaon M. Council	B	91,191	29	12	Composting	T2-05 R- 19	80	100
12	Malkapur M. Council	B	67,740	18.13	0	Dumping	T2-03 R- 14	30	100
13	Buldhana M. Council	B	69,403	17	2	Composting	T2-02 T4- 25	60	100
14	Anjangaon Surji M. Council	B	62,020	15.4	6.93	Composting	T2-05 R- 11	40	82
15	Warud M. Council	B	60,221	18	12	Composting	R- 12	70	100

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing facility	Transport Facility	Segregation %	Transport %
16	Washim M. Council	B	90,000	24	19	Pit composting	T1-10 T2-06 T4-25	40	100
17	Karanja Lad M. Council	B	73,353	18.34	5	Windrow Composting	T2-04 T4-09 R- 14	70	100
18	Sindkhed Raja M. Council	C	16,464	4	1	Composting	T2-4	60	100
19	Patur M. Council	C	21,095	8	3	Composting	T2-02 T4-01 R-04	30	100
20	Telhara M. Council	C	24,576	3.7	1.7	Vermi-composting, Natural Composting	T2-02 T4-05 R- 03	70	100
21	Deulgaon Raja M. Council	C	30,827	6	0	Dumping	T2-02 R- 08	50	92
22	Lonar M. Council	C	23,416	7	0	Dumping	T2-01 R-07	50	100
23	Jalgaon-Jamod M. Council	C	27,000	7.5	7.5	Composting	T2-03 T3-02	60	100
24	Chikhaldara M. Council	C	5,158	1.5	0.6	Vermi-composting	T2-01 T4-2	90	100
25	Chandur Bazar M. Council	C	18,759	5.41	1	Composting	T2-03 T3-01	55	90
26	Dhamangaon Rly M. Council	C	21,900	5	4.5	Composting, Vermi-composting	T2-01 T4-01 R- 05	80	100
27	Daryapur M. Council	C	36,463	10.35	3	Vermi-composting	T2-03 T4-10	60	97
28	Shendurjana Ghat M. Council	C	21,748	6.73	2	Composting	T2-02 R- 02	65	75
29	Morshi M. Council	C	37,333	12	6	Vermi-composting	T2-03 T4-11	60	100
30	Chandur Rly M. Council	C	19,776	4	0.5	Dumping	T1-04 T2-02	85	100

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing facility	Transport Facility	Segregation %	Transport %
31	Mangrulpir M. Council	C	30,983	9	6.4	Composting	T2-02 R- 06	20	100
32	Risod M. Council	C	34,136	11	5	Composting	T2-03 R-07	80	100
33	Barshitakli Nagar Panchayat	NP	21,817	4.3	0.5	Composting	T2-02	65	100
34	Sangrampur Nagar Panchayat	NP	7,258	2.4	0	Dumping	T2-1 T4-3	0	100
35	Motala Nagar panchyat	NP	10,331	1.71	0	Dumping	T2-2 R-3	60	75
36	Teosa Nagar Panchayat	NP	12,482	4	0.8	composting	T2-1 R-5	100	100
37	Dharni Nagar Panchayat	NP	18,352	2.4	0.7	Composting	T1-9 T2-2	30	58
38	Nandgaon (K) Nagar Panchyat	NP	13,572	4	2.5	Dumping	T2-10 R-4	0	100
39	Malegaon Jahanjir	NP	21,290	4	0.3	Vermi-composting	T2-01 R-06	65	100
40	Manora Nagar Panchayat	NP	9,339	3	0	Dumping	R-03	15	100
41	Ralegaon Nagar Panchayat	NP	15,631	4	0.3	Composting		0	100
42	Bhatkuli Nagar Panchayat	NP	8,816	4	4	Composting	T2-01 R-04	75	100

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 M. Corporation	Corp. A	1400000	450	230	Composting	T2-12 T3-20 T4-24	80	100
2	Latur M. Corporation	Corp D	3,82,940	151	151	Composting	T2-47 T4-131	100	100
3	Nanded-Waghala M. Corporation	Corp D	55,04,339	250	120	Vermi-composting, Biomethanization	T1- 51 T2-16 T3-01 T4-113 R- 50	40	100
4	Parbhani M. Coporation	Corp D	307191	140	72.42	---	T2-05 T4-67	35	93
5	Jalna M. Council	A	2,88,577	95	0.01	Composting	T3-02 T4-04 R-49	30	95
6	Beed M.Council	A	203240	31	15	Composting	T2-02 T2-15 T4-06	90	100
7	Udgir M. Council	A	103550	26	16	Composting and Landfill	T3-04 T4-34	75	100
8	Osmanabad M. Council	A	111825	45	0	Dumping	T2-01 T3-01 T4-01 R-38	50	100
9	Vaijapur M. Council	B	41,296	3.6	3.6	Composting	T2-02 T3-01	100	100
10	Kannad M. Council	B	40,759	2.58	1.5	Composting	T2-03 T4-11	100	100
11	Sillod M. Council	B	58,230	10.1	7	Composting	T2-02 T3-01 R-13	90	100
12	Paithan M.Council	B	41,536	5	5	Composting	T2-04 T4-09	100	100
13	Ambajogai M. Council	B	78413	14	5.5	Composting, Vermi-composting	T1-03 T2-02	95	100
14	Majalgaon M. Council	B	60,000	14	7.6	Composting	T2-03 T3-01 T4-11	70	96
15	Ahmadpur M. Council	B	43,936	13.48	10	Composting	T2-02 T4-09	100	100
16	Degloor M. Council	B	54,493	18	4	Composting	T3-01 T2-04 T4-13	90	100

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing facility	Transport Facility	Segregation %	Transport %
17	Jintur M. Council	B	44,291	14	11	Composting	T1-01 T2-01 T4-06 R-01	92	100
18	Gangakhed M. Council	B	49,891	15	10	Composting, Vermicomposting	T2-02 R-12	80	100
19	Selu M. Council	B	46,915	12.5	8.8	Composting,	T4-12	84	100
20	Hingoli M. Council	B	93076	31.2	18.66	Composting Vermicomposting	T1-07 T2-03 T3-21 T4-02 R-07	80	100
21	Basmat M. Council	B	75,000	13.4	8.5	Composting	T2-04 R-14	100	100
22	Parli (V) M. Council	B	90,975	33	27.4	Composting Vermicomposting	T2-06 T3-01 T4-18 R-20	82	100
23	Gangapur M. Council	C	27745	3	2.7	Composting	T2-02 R-06	95	100
24	Khultabad M. Council	C	15,759	3	3	Pit composting	T2-02 T4-04	100	100
25	Ambad M. Council	C	32000	6.2	3.1	Composting	T2-01 T4-06	60	100
26	Partur M. Council.	C	35,883	8	4	Composting	T2-02 T4-07 R-06	80	100
27	Bhokardan M. Council	C	24416	5.5	5	Composting	T1-05 T4-01	95	95
28	Dharur M. Council	C	20,417	5	3.7	Composting, Vermicomposting	T2-02 R-02	80	100
29	Georai M. Council	C	38,012	6.5	4.2	Pit Composting, Windrow Composting, MRF Center	T1-18 T2-05 R-05	95	100
30	Ausa M. Council	C	36,118	10.92	9.82	Composting , MRF	T2-02 T4-01 R-10	92	100
31	Bhoom M. Council	C	23047	4.5	0.7	Composting	T1-06 T4-02	90	100
32	Kalamb M. Council	C	25,713	4	2	Composting	T2-01 R-11	100	100



Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing facility	Transport Facility	Segregation %	Transport %
33	Naldurg M. Council	C	18,341	4	3	Composting	T2-04 T4-04	1	90
34	Paranda M. Council	C	18,758	5.5	2.54	Composting	T2-01 T4-01 R-07	70	100
35	Nilanga M. Council	C	36,172	10.92	10.4	Composting	T1-30 T2-02 T4-05	90	100
36	Loha M. Council	C	24,125	8	6	Composting	T2-02 R-07	50	80
37	Hadgaon M. Council	C	27,433	7	2	Vermi composting	T2-03 T3-05	60	90
38	Kinwat M. Council	C	28,454	9.46	3.95	Composting	T2-03 R- 12	80	100
39	Kandhar M. Council	C	30,000	6	2	Vermicomposting , composting	T2-02 T4-05 R-06	40	100
40	Biloli M. Council	C	14,923	3.6	1	Vermi- compsting		85	100
41	Peth Umari M. Council	C	13,501	5	1	Composting	R-04	100	100
42	Mukhed M. Council	C	27,650	9	2	Composting	R-07	90	100
43	Dharmabad M. Council	C	33,741	10	7	Composting	T2-02 R-05	80	100
44	Bhokar M.Council	C	38,886	11	5	composting	T2-3 T4-02 R-03	60	95
45	Kundalwadi M. Council	C	14,668	4.8	4.8	Composting	T2-02 R- 05	100	100
46	Mudkhed M. Council	C	26556	5.6	4.48	Composting	T2-02 R- 04	90	100
47	Purna M. Council	C	36,434	8	1	Composting	T4-05	80	100
48	Pathri M. Council	C	36,853	13	10	Composting, MRF	T1-01 T2-01 T4-06	80	100

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing facility	Transport Facility	Segregation %	Transport %
49	Sonpeth M. Council	C	15,765	5.6	3.2	Composting	T2-01 T4-03	90	100
50	Kalamnuri M. Council	C	24,784	8	5.04	Composting Vermi-composting	T2-02 T4-08	90	100
51	Manwat M. Council	C	32,488	8.5	5.6	Composting,	T2-02 R-09	80	100
52	Omerga M. Council	C	41,859	13.3	5.8	Pit composting	T1-05 T2-05	80	70
53	Tuljapur M. Council	C	35403	12.39	7.3	Pit composting	T1-30 T2-03 T4-09	90	92.7
54	Murum M. Council	C	18,374	5	4	Composting	T1-02 R-04	80	100
55	Soigaon Nagar Panchayat	NP	6,511	1.6	0.7	MRF	T2-1 T4-2	90	100
56	Phulambri Nagar Panchayat	NP	17157	3.86	0	Dumping	R-03	80	80
57	Mantha Nagar Panchayat	NP	22005	10	2	Vermi- composting	T2-2 T3-4	60	80
58	Ghansawangi Nagar panchayat	NP	7,524	3	2.5	Composting	T2-1 T4-01	60	100
59	Jafrabad Nagar Panchyat	NP	15,910	2	0.4	Composting	T2-3 R- 5	15	100
60	Badnapur Nagar Panchayat	NP	11,869	2.3	1.4	Composting	T2-3 R- 5	76	83
61	Ashti Nagar Panchayat	NP	12,146	3.5	0	Dumping	T2-2	15	80
62	Wadwani Nagar Panchayat	NP	20,420	3	0	Dumping	R-4	80	80
63	shirur Kasar Nagar Panchayat	NP	5,806	0.9	0	Dumping	T4-2	40	100
64	Keij Nagar Panchayat	NP	30704	9	9	composting	T2-01 R-05	80	100

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing facility	Transport Facility	Segregation %	Transport %
65	Patoda Nagar Panchayat	NP	16,569	1	0	Dumping		15	80
66	Lohara BK Nagar panchayat	NP	12,350	4	2.0	Dumping	T2-01 T4-10 R-03	95	100
67	Shirur anantpal Nagar Panchayat	NP	10,417	3.2	2.2	Composting, Vermi-composting	T2-3 R-10	70	100
68	Vashi Nagar Panchayat	NP	23,310	2	2.0	Dumping	T1-30 T2-2 T4-5	65	100
69	Renapur Nagar panchayat	NP	19,277	7	2	Composting	T2-2 R-4	80	80
70	Chakur Nagar Panchayat	NP	19,244	5.8	3	Composting	T1-10 T2-01 T4-02	75	100
71	Deoni Nagar Panchayat	NP	12,899	3.45	2.1	pit composting	T1-02 T2-01 R-10	90	100
72	Jalkot Nagar Panchayat	NP	9,357	3.7	1.7	Vermicomposting, windrow composting	T2-01 T4-01	80	100
73	Mahur Nagar Panchayat	NP	11,164	4	1.3	composting, vermi-composting	T2-01	80	100
74	Ardhapur Nagar Panchayat	NP	26,029	10.5	6	Composting	T1-4 T2-3	85	100
75	Himayatnagar Nagar Panchayat	NP	20,285	6	2	Composting	T2-01 T4-02	60	95
76	Naigaon Nagar panchyat	NP	16719	3.5	2.1	Pit Composting	T2-10 T4-9	0	80
77	Aundha Nagnath Nagar Panchayat	NP	20,150	5	3	Composting	T2-01 T4-05	80	100
78	Sengaon Nagar Panchayat	NP	10,300	4.1	2.1	Composting	T2-01 T4-04	100	100
79	Palam Nagar Panchayat	NP	14,286	2	0.5	Composting	T4-03	60	100

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.	Corp . A	2405665	1200	200	Vermi-composting Composting, RDF	T1-582 T3-69 T4-75 R-129	40	100
2	Wardha M. Council	A	120441	25	25	Composting	T1-35 T2-04 T3-01 T4-02	75	100
3	Hinganghat M. Council	A	1,01,805	31.6	0	Dumping	T2-08 T3-01 T4-01 R-20	95	100
4	Gondia M. Council	A	1,32,813	65	38.02	Composting Vermi-composting	T1-40 T2-15 T5-05	45	90
5	Katol M. Council	B	43,267	11	8	Composting, Vermi-composting	T2-02 T3-0 T4-09	100	100
6	Arvi M. Council	B	42,822	16.07	5	Compsting, Vermicompostin g	T2-02 T3-11	50	80
7	Umred M. Council	B	53,971	13.5	13	Compsting, Vermicompostin g	T2-04 R-10	90	100
8	Kamptee M. Council	B	86,793	38.65	4.1	Composting	T2-04 T3-01 T4-09 R- 16	20	100
9	Wadi Municipal Council	B	54048	17	16.5	Composting, Vermi-composting	R-8	95	100
10	Bhandara M. Council.	B	91,845	30.25	12	Composting	T2-11 T4-02	80	100
11	Tumsar M. Council	B	44,869	15	3	Composting	T2-04 T3-01 T4-01	80	100
12	Ramtek M. Council	C	22,310	6.41	4.48	Biometha- nization	T2-02 R-34	60	100
13	Saoner M. Council	C	34,160	5.66	3.12	Composting	T2-01 T4-01 R-09	60	100
14	Khapa M. Council	C	14,659	3.2	1	Vermi-composting	T2-01 R-04	65	100
15	Narkhed M. Council	C	21,127	3.2	0.9	Compsting	T1-10 T2-01	100	100

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing facility	Transport Facility	Segregation %	Transport %
16	Kalmeshwar M. Council	C	19,578	5.2	3.3	Composting vermicomposting Biomenthanization	T3-01 R-08	80	100
17	Mowad M. Council	C	8,777	2.37	2.37	Vermicomposting	T2-02 R-2	90	100
18	Mohpa M. Council	C	6,987	2	2	Composting, vermicomposting	T1-05	100	90
19	Sindhi (Rly.) M. Council	C	12,858	2.91	2.2	Composting	T1-09 T3-02	90	100
20	Pulgaon M. Council	C	35,000	11	4	Composting, Vermicomposting	T2-01 T4-10	25	100
21	Deoli M. Council	C	19,288	5	5	Composting, Vermicomposting	T2-01 T4-06	80	100
22	Wanadongri Municipal Council	C	98410	11.7	11.11	Composting	T2-8 T4-1	75	100
23	Pauni M. Council	C	22,821	5.6	2.5	Composting	T1- 17 T2-02	80	100
24	Tiroda M. Council	C	25,181	6	3	Composting	T2-03 T4-02	80	80
25	Sakoli Municipal Council	C	28,367	6	4	Composting	T2-1 T4-4 R-3	90	90
26	Kanhan Pimpri Municipal Council	C	27,851	9.95	3.18	Vermicomposting	T2-01, T4-07	0	80
27	Bhiwapur Nagar Panchayat	NP	13,590	2.8	2.8	Composting, Vermicomposting	T2-2 R-4	100	100
28	Mouda Nagar Panchayat	NP	14,606	3	3	Composting, Vermicomposting	T2-2 R-5	100	100
29	Parseoni Nagar Panchayat	NP	12,026	2.1	1.89	Composting, Vermicomposting	T2-1 T3-3	90	100
30	Mahadula Nagar Panchayat	NP	21,481	4.5	3.16	Composting, Vermicomposting	T2-1 R-3	100	100

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing facility	Transport Facility	Segregation %	Transport %
31	Salekasa Nagar Panchayat	NP	8887	2	0.5	Vermi composting		80	100
32	Sadak Arjuni Nagar Panchayat	NP	7800	2	0	Dumping	R-12	100	100
33	Goregaon Nagar Panchayat	NP	8766	0.9	0	Dumping	T2-1 R-20 T3-1	84	90
34	Deori Nagar Panchayat	NP	14590	4.2	1.6	Vermi composting	T1-15	90	90
35	Arjuni Nagar Panchayat	NP	9472	4	3.36	Bio-methanization	T2-23	79	100
36	Samudrapur Nagar panchayat	NP	7656	2	1.6	Composting	R-3	90	10
37	Kuhi Nagar panchayat	NP	10434	2.1	2.1	Composting,	R-3	100	100
38	Karanja Nagar panchayat	NP	12862	3	2.4	Composting	T2-2 T4-5	80	100
39	Hingna Nagar panchayat	NP	7668	2	2	Composting		100	100
40	Ashti (wardha)Nagar panchayat	NP	11716	3	2	Composting	T2-1 T4-2	80	100
41	Selu Nagar panchayat	NP	13740	3.5	3.5	Windrow Composting	T2-1 T4-3	1	100
42	Mohadi Nagar Panchayat	NP	10,527	0.7	0	Dumping		95	100
43	Lakhani nagar Panchayat	NP	12,636	3	0.75	Composting	T2-1 R-12	90	100
44	Lakhandur Nagar Panchayat	NP	9,795	0.9	0.2	Composting	T1-9	100	100

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 M. Corporation	Corp C	3,20,379	105	80	Composting, RDF,	T2-01 T3-01 T4-30	80	100
2	Yavatmal Mun. Council	A	275398	60	14	Vermi-composting	T2-20 T3-01 T4-62	80	80
3	Bhadrawati M. Council.	B	60,565	15	9	Composting, Vermi-composting	R-12	100	100
4	Warora M. Council	B	46,532	13.08	8.08	Composting	T2-02 R-23	80	100
5	Gadchiroli M. Council	B	54,152	24	2	Vermi-composting	T2-03 T3-61 T4-01 R-23	10	100
6	Pusad Mun. council	B	73,046	19	0	Dumping	T1-01 T2-02 T3-16 T4-02	68	100
7	Wani Mun. Council	B	58,840	19	8	Vermi-composting	T2-04 T4-14	70	100
8	Digras M. Council	B	48937	13	4	Composting, vermi-composting	T1-06 T2-01 T3-01 T4-11	80	100
9	Ballarpur M. Council	B	89,472	28	23	Composting	T1-30 T2-03 T3-01	95	100
10	Umarkhed Mun. Council	B	47458	18.5	13	Vermi-composting	T2-02 T4-17	80	100
11	Mul M. Council	C	25,449	5	5	Composting	T2-08	100	100
12	Bramhapuri M. Council	C	36,025	15	14	Vermi-composting, Composting	T2-05 T4-09	90	100
13	Rajura M. Council	C	29,668	7.5	6	Composting, RDF	T2-02 T4-01	80	100
14	Desaiganj M. Council (Wadsa)	C	28,781	8	5	Composting	T2-05 T4-10	80	100
15	Darwha M. Council	C	34,094	8	2	Composting	T2-02	60	100

Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing facility	Transport Facility	Segregation %	Transport %
16	Pandharkawda M. Council	C	33861	9.5	2	Vermi composting		100	100
17	Arni M. council	C	31597	6.5	0.5	Composting	T2-3 R-36	5	100
18	Chimur M Council	C	25741	6.82	1.7	Vermi-composting	T2-01 T3-01	80	100
19	Nagbhid M Council	C	25167	6.29	1.4	Composting	T2-02 R-06	80	100
20	Ghatanji M. Council	C	21293	5.75	4.1	Windrow Composting		100	100
21	Ner Nawabpur M. Council	C	29,302	9.59	8.64	Composting	T2-02 R-05	55	100
22	Gadchandur Municipal Council	C	26,755	8.9	2	composting	T2-2	80	100
23	Korchi Nagar Panchayat	NP	3,483	0.6	0	Dumping	R-06	40	0
24	Babhulgaon Nagar panchayat	NP	6,157	0.250	0.13	Composting	T1-03 T2-01 R-01	68	80
25	Dhanora Nagar panchayat	NP	6,109	1.3	0	Dumping	T1-10	0	100
26	Mulchera Nagar panchayat	NP	1,939	0	0	---	----	0	0
27	Maregaon Nagar Panchyat	NP	8,538	2.3	0	Dumping		0	100
28	Kalamb Nagar Panchyat	NP	17,447	3	0.3	Composting	T2-1	40	100
29	Bhamragad Nagar Panchyat	NP	1,729	1.2	0	Dumping	T2-1	80	100
30	Charmoshi Nagar Panchayat	NP	16,000	3.5	0	Dumping	T2-5	20	100
31	Sironcha Nagar Panchayat	NP	10,621	2.4	0	Dumping	T1-2 T2-1 T4-2 R-10	85	84
32	sindewahi Nagar Panchayat	NP	14,170	0.5	0	Dumping	T2-5	100	100



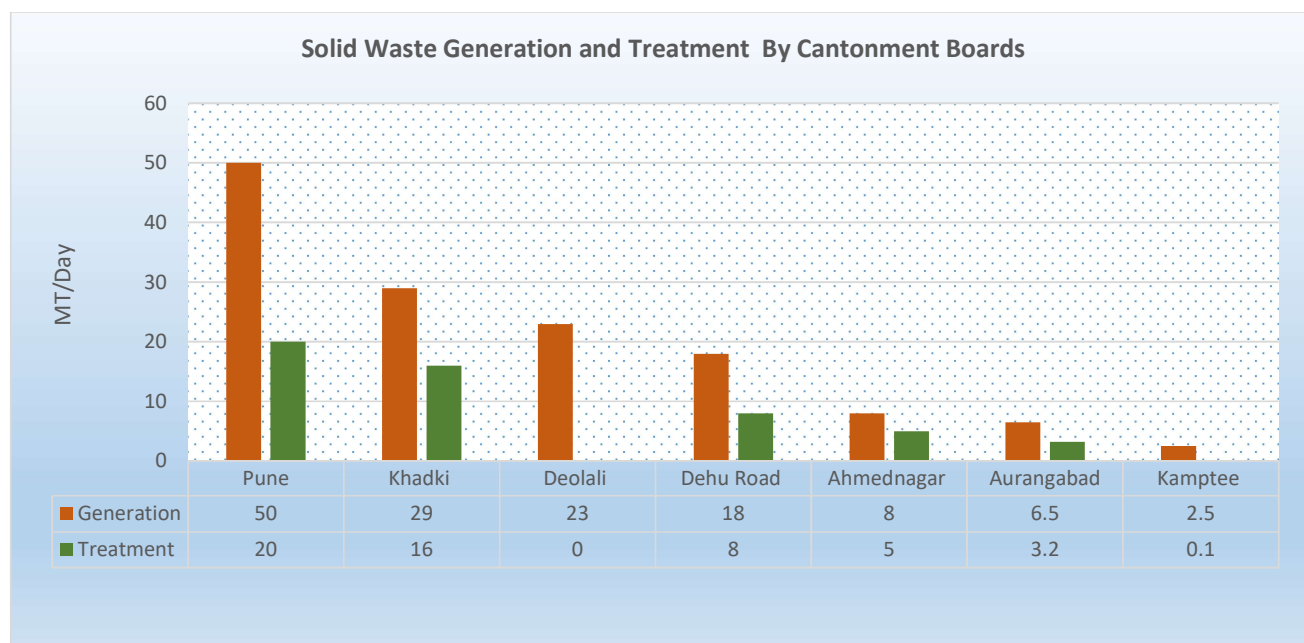
Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing facility	Transport Facility	Segregation %	Transport %
33	Saoli Nagar panchayat	NP	8,924	2.4	1.92	----	-----	70	100
34	Pombhurna Nagar panchayat	NP	6,308	1.42	1.2	pit composting	T1-4	100	100
35	Mahagaon Nagar panchayat	NP	8,248	2.5	0	Dumping	----	20	35
36	kurkheda Nagar panchayat	NP	7,430	1.8	1.2	composting	T1-1 R-6	75	100
37	Korpana Nagar panchayat	NP	5,195	2	1.2	composting	T2-2	80	100
38	Jiwati Nagar panchayat	NP	4,303	1.5	0.5	composting	T2-1 R-2	80	100
39	Gondpimpri Nagar panchayat	NP	8,474	2.2	0	composting	T2-1	80	100
40	Etapalli Nagar panchayat	NP	10,158	1.6	0	Dumping	---	0	100
41	Armori Nagar Panchayat	NP	25,507	6	2	Composting	T2-2	80	100
42	Aheri Nagar panchayat	NP	18,256	4.1	0	Dumping	T2-1 T3-4	90	100
43	Zari Jamini Nagar panchayat	NP	1,775	0.1	0	Dumping		80	100

**Abbreviations:**

T1- Tricycle  
 T2- Tractor/Tractor  
 T3- Trolley/Container/compactor/JCB  
 T4- Truck/Tipper/Dumper placer  
 R - RCC Bins/Ghantagadi

## Annex-IIA

CANTONMENT BOARDS									
Sr. No.	Name of ULB	Class	Population	MSW Generation MT/Day	MSW Treated MT/Day	MSW Processing facility	Transport Facility	Segregation %	Transport %
1	Ahmednagar	CB	28986	8	5	Windrow Composting	T2-04	65	100
2	Deolali	CB	54027	23	0	Open Dumping	T2-01 R-06	25	100
3	Dehu Road	CB	48961	18	8	Composting	T2-06 T4-03 R-12	100	100
4	Khadki	CB	70399	29	16	Composting	T2-11 T4-10 R-38	100	100
5	Pune	CB	71831	50	20	Vermi-composting	T3-11 T4-13	100	100
6	Aurangabad	CB	18051	6.5	3.2	Composting	T2-02 R-02	82	96.6
7	Kamptee	CB	12457	2.5	0.1	Vermi-Composting	T2-12 T3-01 R-16	20	100
	<b>TOTAL</b>			<b>137</b>	<b>52.3</b>				



**Annex-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 384 Nos. of Local Bodies. ULBs installed 302 composting plants as a waste processing facility and 19 proposed to install. Also 75 vermin-composting facilities are installed and 01 is proposed to install, 50 biomethanization plants are installed and 07 plants are proposed to install and 13 RDF plant installed and 02 proposed. 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 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 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 issued letter to all corporations & councils to comply with the provisions of Solid Waste Management Rules, 2016 & Construction & Demolition Waste Management Rules, 2016 and also directed to prepare & submit time bound action plan along with bar chart.
- Board has scrutinized of authorisations 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.
- Board has proposed to develop 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.

#### **Gaps and issues in Implementation:**

- Not in my back yard tendency.
- 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:**

- 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.
- Grant shall not to be released to the ULB's for non-provision of MSW management.
- 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. Shirdi Municipal Councils

Innovation project “Agarbatti Production from Waste Flower”: In Shirdi Shri Saibaba temple daily lakhs of devotees come and pray tribute to Shri Saibaba. Consigning flowers to Shri Saibaba which leads to generate daily 2 to 2.5 tonnage of flower waste. Before setting Agarbatti processing unit 2 to 2.5 tones flower waste were used to dump at dumping ground. After considering this fact, Shirdi Municipal Council along with Shri Saibaba Sansthan set up waste flower processing unit to convert it Agarbatti.





## 2.Achalpur : Segregation at source

Achalpur is a city in Amravati District with a population of 1.12 lakhs according to Census 2011. The quantity of waste generated daily is 40 MT.



In the year 2017, promoted segregation at source amongst Citizens. The process began with a thorough training of Sanitary Staff regarding segregation. The sanitary staff is trained to keep a record of households that give segregated waste. A coupon system was started to enter the ward-wise lucky draw. Every household received a coupon after giving segregated waste. The coupon could be entered in the weekly lucky draw that took place at a ward level. The winning household/housewife received a silver coin.



### **3.Kagal: BioGas Plant**

Kagal is a city and Municipal Council in Kolhapur District, with a population of 34,106 . The amount of waste generated daily is 15 MT. The project has been implemented as a Public-Private Partnership (PPP) model. The project processes 4 MT of waste everyday in the CSTR technology Waste-to-energy plants which is used to illuminate 100 street-lamps in the city. Purely segregated wet waste is fed into the digester where it is converted to a slurry, to increase the surface area for bio-chemical reactions. The bio-gas produced from the waste is stored in the Balloons. Electricity is produced using Gas fired Genset having capacity of 62 KVH.



Waste to Energy Plant Situated on the Waste Management Site



Stepping towards the goal of becoming a zero-waste city, Kagal Municipal council has set forth an example in front of all the Urban Locals bodies to innovatively use private capital for funding a public infrastructure project. The process of converting waste to energy using CSTR technology has also helped the Municipal council gain Carbon credits as the process is Carbon neutral.

#### 4) Ballarpur: Plastic in Road

Plastic makes up for an Average of 3-5% of Municipal solid waste in cities in Maharashtra. If left untreated and dumped in landfills, the plastic does not decompose, resulting into various negative externalities. This plastic waste is further divided into 7 types, depending on the composition and recyclable potential. After evaluating this road and carrying out tests to see the quality of this road segment, the Nagar parishad of Ballarpur now intends to use plastic in all its Bitumen road constructions. One plastic crushing machine processes around 200-300 kgs of plastic every day, and needs one person to operate it. This shows that for a small to medium town, one plastic crushing machine would suffice to crush the plastic in municipal solid waste.



**PART B****Towns/cities**

Total number of towns/cities	: 384
Total number of ULBs	: 384 + 07 Cantonment Boards
Number of class I & class II cities/towns	: <b>Corporations</b> - 27
	<b>A Class</b> - 17
	<b>B Class</b> - 72
	<b>C Class</b> - 145
	<b>Nagar Panchayats</b> - 123
	<b>Cantonment Boards</b> - 07

**Authorization status (names/number) in this year**

Number of applications received	: 63
Number of authorizations granted	: 25
Authorizations under scrutiny	: 28
Authorizations Rejected	: 10

**SOLID WASTE Generation status**

Solid waste generation in the state (TPD)	: 23844.551
Collected	: 23675.7
Treated	: 12623.33
Land filled	: 11052.37 (Unscientifically Dumping)

**Compliance to Schedule I of SW Rules (Number)**

Good practices in cities/towns	: 25
House-to-house collection	: 384 ULBs
Segregation at Source	: 369 ULBs
Storage	: 369 ULBs
Covered transportation	: 382 ULBs

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

<b>Composting</b>	
No. of Cities/ULBs	No. of Plant installed
295	302

<b>Vermicomposting</b>	
No. of Cities/ULBs	No. of Plant installed
75	75

<b>Biogas/Biomethanization</b>	
No. of Cities/ULBs	No. of Plant installed
27	52

<b>RDF/Pelletization</b>	
No. of Cities/ULBs	No. of Plant installed
13	13

<b>Solid Waste processing facilities setup for Cantonment Boards</b>				
No. of Cantonment Boards	Composting	Vermicomposting	Biomethanization	RDF
7	5	1	--	--

**Processing facility operational:**

Sl. No.	Composting	Vermi-composting	Biogas	RDF/Pelletization
1	302	75	52	13

**Processing facility under installation/planned:**

Sl. No.	Composting	Vermi composting	Biogas	RDF/Pelletization
1	19	01	07	02

**Waste-to-Energy Plants: (Number)**

Sl. No.	Plant Location	Status of operation	Power generation (MW)	Remarks
--	--	--	--	--

**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)	Ambient air	Groundwater	Leachate quality	Compost quality	VOCs
1	Mumbai	Done	Done	Done	Done	--
2	Kalyan	Done	--	Done	--	--
3	Thane	Done	--	Done	--	--
4	Mira-Bhayander	Done	--	Done	--	--
5	Vasai Virar City	Done	---	Done	---	---
6	Nagpur	Done	--	--	--	--
7	Latur	Done	Done	--	--	--
8	Mahad	Done	--	--	--	--
9	Dhule	Done	--	--	--	--
10	Raigad	Done	Done	Done	--	--
11	Nanded	Done	--	--	--	--
12	Amaravati	Done	--	--	--	--
13	Pune	Done	--	Done	Done	Done
14	Ulhasnager	Done	Done	--	--	--
15	Bhiwandi Nizampur	Done	--	Done	--	--
16	Navi Mumbai	--	--	Done	Done	--
17	Pimpri Chinchwad	--	Done	--	--	--
18	Thane	--	Done	--	--	--

**Status of Action Plan prepared by Municipalities**

Total number of municipalities: 384

Number of Action Plan submitted to urban development department: 384