

MAHARASHTRA POLLUTION CONTROL BOARD

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No. MPCB/RO(HQ)/2020/531

Date : 02.12.2020

To,

The Member Secretary,
Central Pollution Control Board

**Sub: Submission of the compliance report in respect of O.A. No. 606/2018
for quarter of July, 2020 to September, 2020 for Maharashtra State.**

Sir,

May I refer to the orders dated 12/09/2020, 7/1/2020 & 24/1/2020 passed by the Hon'ble National Green Tribunal, Principal Bench, New Delhi in the matter of Original Application No. 606/2018 - Compliance of Solid Waste Management Rules, 2016.

In compliance of the order passed by the Hon'ble NGT in the above matter, the first quarterly report was submitted on 9/7/2019 and the gap analysis report in the format given by CPCB for the state of Maharashtra was submitted on 7/11/2019. Further in compliance of the order dated 7/1/2020, the reports of the State of Maharashtra in the revised format given by the CPCB in respect of solid waste Management, Restoration of Polluted River Stretches & Air Quality Management of Non-Attainment cities is submitted vide letter dated 21/1/2020 & 29/6/2020.

Further, in compliance of directions given by Hon'ble NGT on 24.01.2020, the Government of Maharashtra has constituted 'Environment Monitoring Cell for the state of Maharashtra'. The first meeting of the Cell was conducted on 11.06.2020 under the Chairmanship of Hon'ble Chief Secretary, Govt. of Maharashtra.

The quarterly compliance report for July, 2020 to September, 2020 in the prescribed format given by the CPCB is enclosed herewith for kind perusal.

This is submitted with the approval of the Hon'ble Chief Secretary of the State of Maharashtra.

Yours faithfully,

(Ashok Shingare, IAS)
Member Secretary

D.A.: As above

Copy submitted to:-
Honble Chairman M.P.C.Board
Hon'ble Principal Secretary Department of Environment and Climate Change
Copy to : JD(APC)/JD(WPC)/RO(HQ)/Law Officer(P&L Div.).

Report of State of Maharashtra

in the matter of O.A. 606/2018 as per order dt. 07/01/2020 and
24/01/2020 For 2nd quarter (July-September 2020)

a. SOLID WASTE MANAGEMENT

Solid Waste Management			
Sl. No		Issue	
1	a	What is the quantity of MSW generated in the state	22,218 MT/Day
2	a	What is the quantity of MSW processed in the state	16,539 MT/Day
3	a	What is the quantity of MSW sent to the landfills	1698 MT/Day
4	a	Is door-to-door collection /segregation & transportation of segregated waste being done in the entire State	Yes
	b	If not, please provide percentage coverage of the State as per "4a" above	--
	c	If not, please provide timeframe for coverage of entire state as per "4a" above	--
	d	If not, has destination of disposal for mixed waste been identified for areas in which segregation of waste is not being done	--
5	a	Is all waste generated in the state processed in the waste processing facilities	Partially
	b	If not, please provide percentage coverage of the State as per "5a" above	75%
	c	If not, please provide time frame for above for coverage of entire state for "5a" above	March 2022
6	a	Have all dumpsites in the state been cleared	Work is in progress

	b	If not, please indicate the number of dumpsites in which work has commenced and percentage of waste cleared	1) Work has completed in 84 ULBs 2) Work in Process in 88 ULBs 3) 61,70,328 MT Waste is cleared till date.
	c	If not, please provide time frame for clearing of all dumpsites	March 2022
7	a	Have rates for procurement of services/equipment (to do away with the tendering process) required for solid waste management been standardized	All procurement is being done through Government of India's E-Marketing Portal (GEM).
	b	If not, please provide time frame for standardizing of the same	Action in process
8	a	What action has been initiated against the defaulting officers/ organization (financial penalty, Entry in ACR,etc) responsible for Solid Waste Management	--
	b	If yes, please provide the details	--
	c	If, no ,please provide the details of action proposed to be taken against the defaulting officers/organizations (financial penalty, Entry in ACR,EC, Prosecution etc)	--
9	a	Has an environmental management cell been created in the state for monitoring key environmental issues.	1. State Environmental Monitoring Cell under the chairmanship of Hon'ble Chief Secretary, GoM is constituted. 2. Some of the Municipal Corporations have established environmental cell.

Details for MSW (in TPD)

Generated	Processed/ Treated	Gap
22,218	16,539 (MSW Processed) + 1698 (SLF)= 18,237	3,981

NGT OA 606/2018 07/01/2020 and 24/01/2020 Solid Waste Management in the State of Maharashtra

S.N.	Questions		
1	Numbers of ULBs	396+7(Cantonment Boards)	
2	Over all waste management status in States/UTs	Quantity (MTPD)	Percentage
a	Quantity of MSW generated (TPD)	22218	-
b	Quantity of MSW collected (TPD)	21233	96%
c	Quantity of MSW segregated & transported (TPD)	19609	88%
d	Quantity of MSW processed (TPD)	16539	74%
e	Quantity of MSW disposed in secured land fill site (TPD)	1698	8%
f	Gap in Solid Waste Management UTs (TPD) [1(a)- 1(d)- 1(e)]	3981	18%
g	Solid Waste Management Plan	SWM DPRs has been sanctioned in 383 ULBs and remaining ULBs have SWM facilities in place	

3	Waste Collection	Existing Status	Target	Gap	Timeframe
a	ULBs in which waste door-to-door collection is implemented(No.)	396	396	0	Ongoing
b	ULBs in which segregation of waste is implemented (No.)	396	396	0	Ongoing
c	ULBs in which transportation of segregated waste is implemented (No.)	396	396	0	Ongoing
4	Waste Processing				
a	<u>Material Recovery facilities</u>	Existing Status	Target	Gap	Timeframe
	(i) Total Capacity (TPD)	6720	-	-	-
	(ii) Number of plants	239	-	-	-
	(iii) Number of ULBs covered	204	396	192	2022 March (Due to Covid Situations directed timelines could not been adhered.)

b		<u>Recycling</u>	Existing Status	Target	Gap	Timeframe
	(i)	Total Capacity (TPD)	3338	-	-	-
	(ii)	Number of plants	-	-	-	-
	(iii)	Number of ULBs covered	320	396	76	-
c		<u>Composting</u>	Existing Status	Target	Gap	Timeframe
	(i)	Total Capacity (TPD)	12633	-	-	-
	(ii)	Number of plants	385	-	-	-
	(iii)	Number of ULBs covered	241	396	155	2022 March (Due to Covid Situations directed timelines could not been adhered.)
d		<u>Biomethanation</u>	Existing Status	Target	Gap	Timeframe
	(i)	Total Capacity (TPD)	629	-	-	-
	(ii)	Number of plants	54	-	-	-
	(iii)	Number of ULBs covered	27	Not applicable to all ULBs	-	-
e		<u>RDF</u>	Existing Status	Target	Gap	Timeframe
	(i)	Total Capacity (TPD)	1103	-	-	-
	(ii)	Number of plants	11	-	-	-
	(iii)	Number of ULBs covered	8	Not applicable to all ULBs	-	-
f		<u>Waste to Energy Plants</u>	Existing Status	Target	Gap	Timeframe
	(i)	Total Capacity (TPD)	-	-	-	-
	(ii)	Number of plants	-	-	-	-
	(iii)	Number of ULBs covered	-	Not applicable to all ULBs	-	-
4		Waste Disposal				
a		<u>Landfill</u>	Existing Status	Target	Gap	Timeframe
	(i)	Total Capacity (T)	-	-	-	-
	(ii)	Number	207	396	189	-

	(iii)	Number of ULBs covered	(382 Landfill sites have been identified, work is in process in 207 ULBs)	396	189	2022 March (Due to Covid Situations directed timelines could not been adhered.)
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5		Legacy Waste Waste management	Existing Status
a		Number of dumpsites (No.)	142
b		Quantity of Waste dumped at dumpsites (Tons)	2,64,17,031
c		Number of dumpsites cleared (No.	84
d		Number of dumpsites in which biomining has commenced (No.)	88
e		Time frame for clearing all dumpsites	2022 March (Due to Covid Situations directed timelines could not been adhered.)
6		Other Information	
a		Information regarding development of model towns/cities/villages	Attached Word file - Model Towns and Cities
b		Creation of Environmental cell	1. State Environmental Monitoring Cell under the chairmanship of Hon'ble Chief Secretary, GoM is constituted. 2. Some of the Municipal Corporations have established environmental cell.
c		Standardization of rates for procurement of services/equipment (to do away with the tendering process) required for solid waste management	Procurement of the vehicles and other equipment is being done through Government of India's E-Marketing Portal (GEM).

* 2 . b	1. Quantity of MSW collected (TPD) has come down to 96% from 99% (4th Quarter Report,2019) due to pandemic circumstances.
* 4 . a	1. The reconciliation activity of plants had been carried out during Covid lockdown period; It has been observed that cities had provided information of plants which were constructed temporarily for survekshan. 2. As per this activity 239 plants from 204 ULBs are having functional MRF facility.
* 4 . b	1. Waste is recycled through local vendors/Bhangarwals. The waste is segregated at MRF Facility in sub categories by ULB and sold to/ hand over to recyclers.
* 4 . c	1. The reconciliation activity of plants had been carried out during Covid lockdown period; It has been observed that cities had provided information of plants which were constructed temporarily as for survekshan. 2. As per this activity 385 plants from 241 ULBs are having functional Composting facility.
* 4 . d	1. The reconciliation activity of plants had been carried out during Covid lockdown period; It has been observed that cities had provided information of plants which were constructed temporarily as for survekshan. 2. As per this activity 54 plants from 27 ULBs are having functional Biomethanation facility.
* 4 . e	1. The reconciliation activity of plants had been carried out during Covid lockdown period; It has been observed that cities had provided information of plants which were constructed temporarily as for survekshan. 2. As per this activity 11 plants from 8 ULBs are having functional RDF facility.
* 5	The Legacy Waste Management values shown in the report are in a Progression.

Improvements Since Last Hearing

	Item	Present Status	Status at the time of last hearing	Whether directed timelines have been adhered or not ?	Remarks
1	Door-to-door collection (%)	96%	99%	-	1. Quantity of MSW collected (TPD) has come down to 96% from 99% (4th Quarter Report,2019) due to pandemic circumstances. 2. Due to Covid Situations directed timelines could not been adhered.
2	Source segregation of waste (%)	88%	75%	-	Due to Covid Situations directed timelines could not been adhered .
3	Waste Processing (TPD)	16,487	13,276	-	Due to Covid Situations directed timelines could not been adhered .
4	Dumpsites capped (No.)	6	-	-	Due to Covid Situations directed timelines could not been adhered .
5	Dumpsites Bio-remediated (No.)	84	23	-	Due to Covid Situations directed timelines could not been adhered.

Compliance Status of Model Cities and Towns

SN	SWM Details	Navi Mumbai	Nashik	Chandrapur	Karad	Lonavala	Mul
A	Population (Census 2011)	1120000	1486053	320379	74,355	54,119	25449
B	Solid Waste Details						
	Total Waste Generation (TPD)	424	606	93	26	38	5.1
	Total Wet Waste Generated (TPD)	188	326	30	13	21	3.5
	Total Dry Waste Generated (TPD)	226	277	63	12	16	1.59
	Segregation of Waste at Source	100%	100%	100%	100%	100%	100%
	D-D Collection & Transportation of Waste	100%	100%	100%	100%	100%	100%
	Processing of Waste	100%	100%	100%	100%	96%	100%
	Processing Capacity (TPD)	750 TPD	720 TPD	105 TPD	480 MT	50 TPD	10 TPD
C	Land Identified & Procured	Yes	Yes	Yes	Yes	Yes	Yes
	Area of Land	26.30 Ha	32.8 Ha	8 Ha	6.4 Ha	3.64 Ha	2.76 Ha
	Authorization Details	Valid Till Dec 2022	Valid Till March 2020	No	Valid till Dec 2019	Valid till Dec 2019	No
	Installation of Cameras at processing site	Yes	Yes	Yes	Yes	Yes	Yes
D	Plastic Waste Details						
	Total Plastic Waste Generated (TPD)	14	23	7	0.12	0.33	0.2
	Total Plastic Waste Collected	100%	100%	100%	100%	100%	100%
	Total Plastic Waste Segregated	100%	100%	100%	100%	100%	100%
	Total Plastic Waste Treated	100%	100%	100%	100%	100%	100%
E	Construction & Demolition Waste Details						

Report of State of Maharashtra in the Hon'ble NGT matter of O.A. 606/2018 – 2nd Quarter July-
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SN	SWM Details	Navi Mumbai	Nashik	Chandrapur	Karad	Lonavala	Mul
	Total Generation of C&D Waste (TPD)	0	29	2	0.22	0.6	0.4
	Collection & Transportation of C&D Waste	100%	100%	100%	100%	100%	100%
	Segregation of C&D waste	100%	100%	100%	100%	100%	100%
	Reuse/Recycle/Treatment of C&D Waste	100%	100%	100%	100%	100%	100%
F	Bio-remediation Details	Not Required	Yes	Yes	Yes	Yes	Not Required
	Total Quantity of Legacy Waste (Cum)	-	114635	70000	58770	389000	-
	Quantity of Legacy Waste Processed through Bio-Mining	-	100%	100%	100%	79.60%	-
	Capping Old and abandoned Waste site	-	Yes	Yes	NA	NA	-
G	User Charges Applicable	Yes	Yes	Yes	Yes	Yes	Yes
	Collection of User Charges	18.83 Cr.	2.388 Cr.	1.56 Cr.	0.34 Cr.	1.89 Cr.	0.01 Cr
H	Number of Rag-Pickers	323	49	17	63	22	19
	Personal Protective Equipment's provided	Yes	Yes	Yes	Yes	Yes	Yes
I	Number of Bulk Waste generators	19	4	4	1	8	1

b. SEWAGE MANAGEMENT IN MAHARASHTRA

c.

Sl. No.	Action Point	A	B	C=A-B	D
		Existing status	Desired/Projected	Gap	Timeline
1.	Estimated Sewage Generation	9758 MLD	--	N/A	
2.	Treatment Capacity (Projection for 05years to be taken into consideration)	7747	9758	2011	2028
3.	Status of Sewerage System (in Km)	7410.44	9492.86	2082.42	2028
4.	No. of STPs (Details to be provided as per Annexure)	137	195	58	2028
5.	Has bulk users identified for reuse of treated Water such as Industrial Clusters, Metro Rail, Indian Railways, Infrastructure Projects, Agriculture, Bus Depots and PWD? (Y /N)	Yes	--	--	--
6.	Quantity of treated wastewater being used by Bulk User (in MLD)				
	Industrial Clusters,	175.0	153		
	Metro Rail,	--	17	--	--
	Indian Railways,	--	--	--	--
	Infrastructure Projects,	247	19	--	--
	Agriculture,	42	90	--	--
	Bus Depots and	--	--	--	--
	PWD.	--	--	--	--
7.	No. of Water Aquatic Sources (Lakes, Pond, etc.) being developed through treated wastewater	2	--	--	--

Annexure-I

SEWAGE TREATMENT PLANTS AND UTILIZATION OF SEWAGE (July-2020 to September-2020)

Sr · N o.	City/Town	No · of ST P	Location of STP	Coordinat es of STP	STP Commissi oned in (Year)	Status (Operatio nal / Non- Operatio nal / Under Construc tion)	STP Instal led Capa city (in MLD)	Actual Utilizat ion Of Install ed Capaci ty (in MLD)	Technology UASB/ASP/OP/SBR/ MBR/FAB etc.)	Consent Status	Compliance Status (in mg/Lit except pH)			
											pH	TSS	CO D	BO D
1	Municipal Corporatio n of Greater Mumbai	13	Colaba WWTF Nr Afgan Church Colaba Mumbai -05 Tel No.22150723	LAT:19.24 Long:72.96 08	2020	Operation al	37	22.51	SBR	In Process. Yet to recd	7. 2	12	30.6	6.3
2			LGP WWTF-IPS 89,Dr.A.B. Road Worli Mumbai 18. Tel No.24933697	latitude- 18.99. longitude- 72.81	1991	Operation al	757	374.78	Preliminary treatment by screening & diffused aerated grit chambers. Dilution & dispersion through marine outfall.	consent renewal upto 31.12.2020	7	56	124	48. 6
3			Malad STP Marve Road, Mith Chawky, Malad (W), Mumbai-95 Tel : 28820860	Latitude 19.18° 30 Lonitud 07.8° 49	Apr-98	Operation al	240	216.06	Preliminary treatment by screening & diffused aerated grit chambers. Dilution & dispersion through marine outfall.	MPCB Consent no. BO/JD(WPC)/CC/18 05001473, Valid up to 31/12/2020.	7	18	95	90

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4			Charkop STP MHADA, Sector 8 & 9, Kandivali(W), Mumbai- 400067 Tel : 28681357	Latitude 90° 30 min N Longitude 72° 49 min E	2007	Operational	6	4.28	RMBR	MPCB Consent no. BO/JD(WPC) /CC/1805001473, Valid up to 31/12/2020.	7.3	16	188	78
5			Bhandup WWTF Off eastern Express Highway Near Airoli Bridge Traffic Signal Bhandup East Tel No. 8286226994	Latitude 19° 04'46.10 N Longitude 72° 55' 54.09 E	2003	Operational	280	141.48	Preliminary treatment by screening & diffused aerated grit chambers. Dilution & dispersion through marine outfall.	MPCB Consent no. BO/JD(WPC) /CC/1805001473, dtd.25.05.2018 Valid up to 31/12/2020.	6.9	12	16	
6			Ghatkopar WWTF Off eastern Express Highway Near Pant Nagar Traffic Signal Ghatkopar East. Tel No. 9082820120	Latitude 19° 08'42.57 N Longitude 72° 57' 45.71 E	2003	Operational	386	151.7	Preliminary treatment by screening & diffused aerated grit chambers. Dilution & dispersion through marine outfall.	MPCB Consent no. BO/JD(WPC) /CC/1805001473,28. 05.2018 Valid up to 31/12/2020.	7.3	68	--	
7			Worli STP, MCGM, Mumbai			Proposed	500	NA			NA	NA	NA	NA
8			Bandra STP, MCGM, Mumbai	Latitude 19.05° N Longitudes 72.83° E	NA	Proposed	360	NA			NA	NA	NA	NA
9			Dharavi STP, MCGM, Mumbai			Proposed	250	NA			NA	NA	NA	NA

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10			Versova STP J.P. Road Jn., Link Road, Near Apnana Bazar, Andheri (W), Mumbai-53 Tel : 26366881	Latitude 19.14° N Longitudes 72.81° E	1998	Operation al	180	108	Aerobic & Facultative Lagoon	MPCB Consent no BO/JD(WPC)/CC/18 05001473 dtd 28.05.2018 Valid up to 31.12.2020	7. 25	41	104	39
11			Influent Pumping Station Bandra, Opp Swami Vivekanand Garden, Mahim Causway, Mahim (West), Mumbai 400016. Tel. No. 24464750	Latitude 19.05° N Longitudes 72.83° E	2003	Operation al	797	531	Preliminary treatment by screening & diffused aerated grit chambers. Dilution & dispersion through marine outfall at 3.7 Km into Sea	MPCB Consent no BO/JD(WPC)/CC/18 05001473 dtd 28.05.2013 Valid up to 31.12.2020	7. 96	NA	NA	2.4
12			Ghatkopar STP, MCGM, Mumbai		NA	Proposed	337	NA	NA		N A	NA	NA	NA
13			Malad STP, MCGM, Mumbai	Latitude 19.18° 30 Lonitud 07.8° 49	Proposed	Proposed	605	NA	NA	NA	N A	NA	NA	NA
14	Thane Municipal Corporatio n	9	TMC STP Kopri, Thane		2012	Operation al	120	70	SBR Technology	31.12.2021	7. 3	11		6
15			TMC STP Mumbra, Thane		2015	Operation al	32	12	SBR Technology	31.12.2021	6. 8	29		18
16			TMC STP Vartak Nagar		2017	Operation al	0.9	0.5	Inlet Chamber, Equilization Tank, Aeration Tank, Settling Tank, Filter Tank, Sand Filter, Carbon Filter, UV and Final Tank	31.12.2021	6. 5	10		4

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17			Vitava		2019	Non - Operation al	8.4	NA	MBBR Technology	31.12.2021	N A	NA	NA	NA
18			Kharegoan		2019	Non - Operation al	46.76	NA	MBBR Technology	31.12.2021	N A	NA	NA	NA
19			Everest World, Kolshet		2019	Non - Operation al	23.06	NA	MBBR Technology	31.12.2021	N A	NA	NA	NA
20			Lodha		2019	Non - Operation al	22.02	NA	MBBR Technology	31.12.2021	N A	NA	NA	NA
21			Nagla Bunder		2019	Non - Operation al	7	NA	SBR Technology	Consent to Establish	N A	NA	NA	NA
22			Hiranandani			Non - Operation al	59	NA	Pumping Station, Inlet, Screen Channels, Grid Chamber, C-Tech basin, Sludge sump, Sludge compactors and UV channels, Outlet.	Consent to Establish	N A	NA	NA	NA
23	Mira- Bhaindar Municipal Corporatio n	12	Bhayander (W) near Garden Court Tower	Latitude - 19.295233 & Longitude - 72.854393		Operation al	8	8	MBBR	Valid upto 31/12/2018 & applied for renewal	7 to 8	<20	<10 0	<10
24			Golden Nest Road, Bhayander (E) Goddev			Operation al	12	12	MBBR		7 to 8	<20	<10 0	<10
25			Kanakia, Mira Road (E)			Operation al	17	17	MBBR		7 to 8	<20	<10 0	<10

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26			Shanti Park - Mira road - Sanghavinagar			Operational	13	13	MBBR		7 to 8	<20	<100	<10
27			Mhada- shanti garden- Mira Penkarpadagavthn (Mhada Colony)			Operational	7	7	MBBR		7 to 8	<20	<100	<10
28			Shanti nagar Mira road station, Near ayappamandir,			Operational	11	11	MBBR		7 to 8	<20	<100	<10
29			Near Corporation garden, Kashmirira road, Reservation No 170			Under Construction	12	12	MBBR		7 to 8	<20	<100	<10
30			Ghodbunder- Kashigaon, Mashachhapada Bhayander, Survey No. 233			Operational	14	14	MBBR		7 to 8	<20	<100	<10
31			Jesal park			Operational	2	2	MBBR		7 to 8	<20	<100	<10
32			Shrushti complex, Mira Road			Operational	1.5	1.5	MBBR		7 to 8	<20	<100	<10
33			Bhayander West			Proposed	8	NA	MBBR		NA	NA	NA	NA
34			Kharigaon			Proposed	13	NA	MBBR		NA	NA	NA	NA
35	Vasai- Virar Municipal Corporation	7	Bolinge Village STP - 2,	Latitude - 19.3927 & Longitude - 72.8616	01-08-2017	Operational	30	30	MBBR	Obtained C to E	7.12	14	60	7
36			Chikhal dongri			Proposed	13	NA	MBBR		NA	NA	NA	NA
37			Nalla sopara (East)			Proposed	30.5	NA	MBBR		NA	NA	NA	NA

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38			Nalla sopara (Wast)			Proposed	49	NA	MBBR		N A	NA	NA	NA
39			Navghar Manikpur			Proposed	7.1	NA	MBBR		N A	NA	NA	NA
40			Navghar Manikpur			Proposed	33.85	NA	MBBR		N A	NA	NA	NA
41			Vasai			Proposed	11.57	NA	MBBR		N A	NA	NA	NA
42	Kalyan Dombivali Municipal Corporation	6	Adharwadi		2013	Operational	25	13	SBR	31.12.2020	7. 1	14.7	28	16. 4
43			Barave		2013	Operational	15	8	SBR		7. 4	13.2	52	12. 3
44			Motagaon	19013'28.38"N 7304'14.35"E	Old STP	Non-Operational	40	0	SBR					
45			Chinchpada	19013'9.818" N 7308'59.899"E	2016	Operational	40	11	SBR		7. 3	12.2	37.3	20. 6
46			Manda Titwala 2 Nos.	19017'48" N 73011'56" E	2014	Operational	2	2	Root Zone		7. 8	14.7	8.7	4
47			Manda Titwala 1.0 MLD	19017'48" N 73011'56" E	2014	Operational	1		Root Zone		7. 2	12	12	7
48	Bhiwandi Nizampur Municipal Corporation	6	Katai-1		2015	Operational	13	13	ASP	Not Obtained	7	16	52	14
49			Katai-2		1978	Non-Operational	17	-	ASP	Not Obtained	N A	NA	NA	NA
50			Bakra Bazar-Bhiwandi		To be commissioned	Under Construction	29	NA	SBR	Not Applied	N A	NA	NA	NA

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51			Slaughter House-I st Idgah		To be commissioned	Under Construction	30	NA	SBR	Not Applied				
52			Bhadwad		Erection to be Started	Proposed Unit	9	NA	SBR	Not Applied	NA	NA	NA	NA
53			Stepping Garden		Erection to be Started	Proposed Unit	31	NA	SBR	Not Applied	NA	NA	NA	NA
54	Ambernath Municipal Council	2	Vadalgaon STP				45							
55			Chikloli				9							
56	Kulgaon Badalapur Municipal Council	1	Badlapur STP				22							
57	Ulhasnagar Municipal Corporation	3	Shanti Nagar-1		–	Under Construction	15	NA	SBR	Not Obtained	NA	NA	NA	NA
58			Shanti Nagar-2		–	Under Construction	31.26	NA	SBR	Not Obtained	NA	NA	NA	NA
59			Vadholgaon		–	Operational	20.72	NA	SBR	Not Obtained	7.4	14	20	6
60			Sector-12,C.B.D. Belapur			Operational	19.0	12.0			7.09	7.00	28.00	4.75
61			Sector-50,Nerul			Operational	100.0	45.0			7.39	4.00	28.00	3.60
62			Sector-18,Vashi			Operational	100.0	45.0			7.19	8.00	30.00	4.10
63			Sector-20, Sanpada			Operational	37.5	18.0			7.30	7.00	28.00	4.10
64			Airoli, Sector- 18			Operational	80.0	80.0			7.40	7.00	28.00	3.60
65			Koper Khairane, Sector-5			Operational	87.5	87.5			7.20	6.00	32.00	3.60

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66			Ghansoli, Sector (Operated by CIDCO)			Operational	30.0	30.0			7.30	8.00	40.00	3.80
67	Panvel Municipal Corporation	10	Bandar Road, Panvel, Dist. Raigad.	2009		Operational	14	12	MBBR		6.92	530.78	47.11	14.78
68			Sector-16, Kharghar, Tal. Panvel, Dist. Raigad.	2008		Operational	25	23	MBBR		--	--	--	--
69			Sector-16, Kharghar, Tal. Panvel, Dist. Raigad.	2012		Operational	70	63	MBBR		--	--	--	--
70			Sector-32, , Kamothe, Tal. Panvel, Dist. Raigad.	2012		Operational	85	79	MBBR	Consent to operated is in process	--	--	--	--
71			Sector-12, Kalamboli, Tal. Panvel, Dist. Raigad.	2011		Operational	50	47	MBBR	Consent to operated is in process	--	--	--	--
72			Sector-06, Ulwe, Tal. Panvel, Dist. Raigad.	2018		Operational	32	26	MBBR		--	--	--	--
73			Kalundre, Kalundre Gaon, Panvel, Navi Mumbai	2019		Operational	2	1.7	MBBR	Consent to operated is in process	--	--	--	--
74			CIDCO Karanjade			Operational	28	6	MBBR		--	--	---	---
75			CIDCO Taloja Phase-I			Operational	32	4	MBBR		--	--	--	--
76			CIDCO Pushpak Nagar			Proposed	45	NA	MBBR					

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77	Roha Municipal Council	2	Kundalika River Right Bank at Survy No. 128/3A at Vill. Ashtami, about 120 mtrs. away from Kundalika River.	Latitude-18.439472 and Longitude-73.118263	NA	Under Construction	1	NA	MMBR, Multi Media Bio Reactor	C to E Obtained vide dtd. 04/05/2019.	NA	NA	NA	NA
78			Kundalika River Left Bank, at Survy No. 211/1/2/3/4/8/9/10/11(0.43A) at Roha.	Latitude-18.439472 and Longitude-73.118263	NA	Proposed	4	NA		C to E Obtained vide dtd. 04/05/2019.	NA	NA	NA	NA
79	Nashik Municipal Corporation	11	Chehedi STP	19° 56' 09" N 73° 51' 59.7" E	2006	Operational	22	311.5	UASB	31-12-2019	7.76	27	20	5
80			Chehedi STP	19° 59' 05" N 73° 51' 29" E	2012	Operational	21		ASP	31-12-2019				
81			Panchak	19° 59' 08" N 73° 51' 25.2" E	2004	Operational	7.5		ASP	31-12-2019	7.1	21	20	4.8
82			Panchak	19° 56' 09" N 73° 51' 59.7" E	2012	Operational	21		ASP	31-12-2019				
83			Panchak	19° 59' 10.5" N 73° 51' 26.4" E	2016	Operational	32		UASB+MBBR	31-12-2019	7.21	46	40	8
84			Tapvan	19° 59' 54" N 73° 59' 3.4" E	2003	Operational	78		UASB	31-12-2019	7.13	36	16	4
85			Tapvan	19° 59' 55" N 73° 59' 05" E	2010	Operational	52		UASB	31-12-2019				

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86			Agar Takali	19° 59' 07" N 73° 59' 43" E	2015	Operational	70		ASP	31-12-2019	7.14	42	80	22
87			Agar Takali	19° 59' 11.8" N 73° 59' 44" E	2016	Operational	40		UASB+MBBR	31-12-2019	7.22	30	20	5
88			Municipal STP Gangapur	20° 01' 58" N 73° 43' 10.1" E	2020	Operational	18	NA	SBR	7.05	24	16	4.4	NA
89			Municipal STP Pimpalgaon, Baswant	....	...	Proposed	32	NA	SBR		NA	NA	NA	NA
90	Trambik Municipal Council	1	Municipal Council Trambik	....	2000	Operational	1	1	MBBR	31-12-2017	7	702	120	38
91	Shirpur Municipal Council	1	Municipal Council - Shirpur, Tq Shirpur Dist Dhule	21°21",097 N 74°54".156 6 E	2017	Operational	12.5	8.64	SBR		7.3	129	160	58
92	Nandurbar Municipal Council	1	Municipal Council - Nandurbar, Tq and Dist Nandurbar	21.39N 74.21E	2017	Operational	17.5	9.3	SBR		7.44	88	40	18
93	Shirdi Nagarpanchayat	1	Shirdi, Tal-- Rahata, Dist- Ahmednagar	-	2015	Operational	16	9	UASB	31.12.2017, Applied for renewal	7.4	10	15	6
94	Ahmednagar Municipal Corporation	1	Ahmednagar, Tal & Dist- Ahmednagar	-	Proposed	Proposed	57	NA	Proposed	Proposed	NA	NA	NA	NA
95	Pune Municipal corporation	21	Erandwane STP, S.No.3&4 Erandwane	PMC has not submitted	2004	Operational	50	50	Activated Sludge Process	31.12.2018	7.3	11.0	20	6

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96		Bopodi STP, S.No.2A, 2B, 2C, 2D &6 (P) Bopodi	PMC has not submitted	Jun-03	Operation al	18	15	Extended Arian Process	31.12.2018	7. 2	20.0	36	14
97		Tanajiwadi S.No.24, Shivajinagar	PMC has not submitted	Apr-14	Operation al	17	13	Biotower and exteded arian process	31.12.2018	7	14.0	20	8
98		Bhairoba STP, Final plot No.330 S.No.33A, 33B Koregaon Park	PMC has not submitted	Jul-03	Operation al	130	80	Activated Sludge Process	31.12.2018	7. 2	13.0	8	4.0 0
99		Mundhawa STP, S.No.2,3A,4 Mundhawa	PMC has not submitted	Feb-09	Operation al	45	42	Sequential Batch Process	31.12.2018	7	9	8	4
100		Vithalwadi STP, S.No.20(P) Hingane	PMC has not submitted	Mar-09	Operation al	32	25	Modified Activated Sludge Process	31.12.2018	7. 4	8.0	16	6.0
101		Old Naidu STP, S.No.439 To 444 Pune final Plot No. 98 Knndy Road	PMC has not submitted	Nov-88	not in Operation	90	NA	Activated Sludge Process	31.12.2018	6. 9	10.0	16	6
102		Baner STP, S.No.221 To 227 Baner	PMC has not submitted	Jan-11	Operation al	30	30	Sequential Batch Process	31.12.2018	7. 4	6.0	16	7.0 0
103		Kharadi STP, S.No.74, 75 Kharadi	PMC has not submitted	Feb-12	Operation al	40	40	Sequential Batch Process	31.12.2018	7. 2	17	20	8
104		New Naidu STP, S.No.439 To 444 Pune final Plot No. 98 Knndy Road	PMC has not submitted	2010	Operation al	115	115	Activated Sludge Process	31.12.2018	7	9.0	8	3
105		Pune Municipal Corporation, Botonical Garden, Pune	PMC has not submitted	Oct-22	Proposed	10	NA	Extended Aeration Process	C2E is granted 18.05.2015	N A	NA	NA	NA

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106		Pune Municipal Corporation, Baner, Pune	PMC has not submitted	Oct-22	Proposed	25	NA	SBR	C2E is granted 18.05.2015	NA	NA	NA	NA
107		Pune Municipal Corporation, Warje, Pune	PMC has not submitted	Oct-22	Proposed	28	NA	Extended Aeration Process	C2E is granted 18.05.2015	NA	NA	NA	NA
108		Pune Municipal Corporation, Vadgaon, Pune	PMC has not submitted	Oct-22	Proposed	26	NA	Extended Aeration Process	C2E is granted 18.05.2015	NA	NA	NA	NA
109		Pune Municipal Corporation, Tanaji Wadi, Pune	PMC has not submitted	Mar-22	Proposed	15	NA	Extended Aeration Process	C2E is granted 18.05.2015	NA	NA	NA	NA
110		Pune Municipal Corporation, Naydu, Pune	PMC has not submitted	Sep-22	Proposed	127	NA	Anoxic-Oxic Process (A2O)+Power	C2E is granted 18.05.2015	NA	NA	NA	NA
111		Pune Municipal Corporation, Dhanori, Pune	PMC has not submitted	Mar-22	Proposed	33	NA	Extended Aeration Process	C2E is granted 18.05.2015	NA	NA	NA	NA
112		Pune Municipal Corporation, Bhairoba, Pune	PMC has not submitted	Sep-22	Proposed	75	NA	Anoxic-Oxic Process (A2O)+Power	C2E is granted 18.05.2015	NA	NA	NA	NA
113		Pune Municipal Corporation, Mundhva, Pune	PMC has not submitted	Mar-22	Proposed	20	NA	SBR	C2E is granted 18.05.2015	NA	NA	NA	NA
114		Pune Municipal Corporation, Kharadi, Pune	PMC has not submitted	Oct-22	Proposed	30	NA	SBR	C2E is granted 18.05.2015	NA	NA	NA	NA

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115			Pune Municipal Corporation, Matsyabij Kendra, Pune	PMC has not submitted	Mar-22	Proposed	7	NA	SBR	C2E is granted 18.05.2015	NA	NA	NA	NA
116	Baramati Municipal Council STP	1	Gunawadi Road, Baramati	Lat-18.134813 Long-74.578484	2019	Operational	11.5	11.5	SBR	--	6.5-7.5	10-15	30-40	5-10
117	Daund Municipal Council STP	1	Daund Municipal Council STP	MC has not submitted	2014	Non-Operational	4.2	4.2	ASP	Not renewed	NA	NA	NA	NA
118	Saswad Municipal council STP	1	Saswad Municipal council STP	MC has not submitted	2015	Operational	2	2	MBBR	Earlier Consent was valid upto 31.3.2017.Board has refused consent on 31.10.2018	7.6	...	...	95.8
119	Lonavala Municipal Council	1	Dongar Gaon, Lonavala	-	-	Not in operation	3.6	NA	Only civil structure is at site,STP capacity is in inhancement	Not Obtained	NA	NA	NA	NA
120	Shirur Municipal Council	1	Sr. No. 269, Sonar Ali, Shirur	-	2013	Operational	6	2.5	SBR technology	Not Obtained	8.6	---	48	16.5

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12 1	Pune Cantonment Board	1	900 Boottee Street, Pune-!	Latitude 18.52 N, Longitude 73.87 E	2018	Operational	20	10	SBR	Consent to establish consent No. MPCB/15/11513 dated 31.08.2015 Consent to operate - Application under progress	8	28	20	5.5
12 2	Khadaki Cantonment Board	2	Gaddi Adda, Ward No. Tamela Chawl, Khadaki.	Latitude 18.571045 N, Longitude 73.84 E	1991	Operational	8	6	Conventional type treatment	Valid up to 31.05.2021	8	---	---	42
12 3			East Khadali, Near Lokmanya Tilak Highschool	Latitude 18.554558 N, Longitude 73.86730 E	2003	Operational	1.2	1.2	Conventional type treatment	-	---	---	---	---
12 4	Pimpri Chinchwad Municipal Corporation, Pimpri 18	14	Chikhali Phase I	18.664711 73.803569	1987	Operational	16	25.87	Extended Aeration	Consent granted for 13 STP dtd.24.9.2019 upto 31.12.2021	7.70	13.00	39	13.00
12 5			Chikhali Phase II	18.664711 73.803569	2000	Operational	16		ASP		7.85	10.00	36.00	11.88
12 6			Chinchwad Phase I (Bhatnagar)	18.628575 73.795442	2000	Operational	30	56.984	ASP		7.68	10.50	27.00	8.00
12 7			Chinchwad Phase II	18.630257 73.793907 8	2008	Operational	30		SBR		7.70	8.50	26.00	8.13

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128			Sangvi Phase I	18.5760751 73.824546	2011	Operational	10	6.031	ISBR		7.48	9.00	38.00	12.15
129			Kasarwadi I	18.6068105 73.8197588	1999	Operational	40	85.312	ASP		7.73	14.50	20.00	7.68
130			Kasarwadi II	18.6068105 73.8197588	2003	Operational	40		ASP		7.60	14.50	32.0	10.40
131			Kasarwadi III	18.6068105 73.8197588	July.2010	Operational	40		SBR		7.73	9.00	21.00	6.68
132			Pimple Nilekh	18.56604 73.790782	2007	Operational	20	18.741	Biotower		7.63	12.00	32.0	10.10
133			Ravet	18.641957 73.748192	2009	Operational	20	12.547	SBR		7.63	12.50	27.00	8.43
134			Akurdi	18.65089 73.778496	Jan. 2011	Operational	30	26.514	ISBR		7.60	14.50	26.00	7.75
135			Sangvi Phase II (Dapodi)	18.578343 73.8247606	2012	Operational	20	13.774	SBR		7.65	10.00	24.00	8.23
136			Chahroli Phase I	18.6506303 73.9258596	2013	Operational	21	20.362	SBR		7.58	20.50	27	8.00
137			Chahroli Phase II	18.6506303 73.9258596	2019	Operational	20	14.3	SBR					
138	Solapur Municipal	3	Degaon STP	17.663260 & 75.857317	24-08-2017	Operational	75	40	SBR	Consent renewal under process	7.6	9.5	16	4.7

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139	Corporation		Kumathe STP	17.598227 & 75921544	29-03-2018	Operational	12.5	9.58	SBR	Consent renewal under process	7.37	7.6	23.2	7.4
140			Pratap Nagar STP	17.608417 & 75.866364	26-03-2018	Operational	15	9	SBR	Consent renewal under process	7.8	7.5	16	4.6
141	Mahabaleshwar Municipal Council	2	compartment no. 79(City Survey no.257/1) behind Karmachari Vasahat, At-Mahabaleshwar, Tal-Mahabaleshwar, Dist-Satara	17.921177, 73.658819	2011	Operational	4	2	MBBR	31/03/2021	7.2	34	72	33
142			at Survey No.626, near Dhobi Ghat,At-Mahabaleshwar, Tal-Mahabaleshwar, Dist-Satara	17.925583, 73.648926	2013	Operational	1		SBR	31/03/2021	7.8	32	120	51
143	Panchgani Municipal Council	3	Survey No. 83/2 near Siddharthnagar,At-Panchgani, Tal-Mahabaleshwar, Dist-Satara	17.914151, 73.802782	2011	Operational	0.65	0.65	MBR	31-12-2021	7.6	44	72	34
144			Plot no. 497/4 & 5 near Shivajinagar,At-Panchgani, Tal-Mahabaleshwar, Dist-Satara	17.918896, 73.795987	2011	Operational	0.35	0.35	MBR	31-12-2021	7.6	34	88	39

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145			Hindu Crematorium, At-Panchgani, Tal-Mahabaleshwar, Dist-Satara	17.927506, 73.800127	2015	Operational	1.5	1.5	MBR	31-12-2021	7.8	32	84	38
146	Karad Municipal Council	1	Bara Dabari, Karad, Tal-Karad, Dist-Satara	lat.- 17.277367 Long.- 74.192481	2018	Operational	12.5	9	MMBR	Dec.2019	7.9	132	156	50
147	Malkapur Nagarpanchayat	2	A/p-Malkapur Tal Karad Dist-Satara	LAT - 17.274381 LONG- 74.178125	2017	Operational	5	5	MBR	Dec-21	8.1	104	44	14
148			A/p-Malkapur Tal Karad Dist-Satara	LAT- 17.24215 LONG- 74.178859	2018	Operational	3	3	MBR	Dec-21	-	-	-	-
149	Pandharpur Municipal Council	2	STP Gopalpur, Pandharpur	Latitude- 17.654721 Longitude- 75.342168	2013	Operational	15.5	12	SBR		8.9	9	48	21
150			STP, 65 Acre, Pandharpur	Latitude- 17.689674 Longitude- 75.343068	2019	Operational	2.5	0.5	SBT		8.1	10	64	31
151	Kolhapur Municipal Corporation, Kolhapur	4	Kolhapur Municipal Corporation STP (76 MLD) Kasaba Bavada, Kolhapur	16.736989 74.245694	2014	Operational	76	55	SBR	Obtained Consent to Establish	7.5	15.14	41.72	7.99
152			Kolhapur Municipal Corporation STP (17 MLD) Dudhali, Kolhapur	16.697336 74.226921	2018	Operational	17	17	SBR	Obtained Consent to Establish Applied for operate	7.85	13	18.56	4.72

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153			Kolhapur Municipal Corporation STP (6 MLD) Bawda, Kolhapur	16.736989 74.245694	Proposed	Proposed	6	NA	SBR	---	NA	NA	NA	NA
154			Kolhapur Municipal Corporation STP (4 MLD) Dudhali, Kolhapur	16.697336 74.226921	Proposed	Proposed	4	NA	SBR	----	NA	NA	NA	NA
155			Dhulgaon STP 27 MLD (Oxidation pond)	16.937097 8 74.670284 9	2015	Operational	27	27	Oxidation Pond		-	-	-	-
156			STP at Miraj-9.2 MLD (Oxidation pond)	16.952861 8 74.687064 4	1970	Operational	9.2	9.2	Oxidation Pond		-	-	-	-
157			Hamumannagar STP 100 Footy road(Commising date-23/7/2018)	16.843620 6 74.582035 3	2018	Operational	23.5	13	SBR		8.1	810	28	6
158			SMKC Bedag road Miraj			Proposed	22.5	NA			NA	NA	NA	NA
159			Ichalkaranji Municipal Council (STP 20 MLD) Old Sangli Naka, Ichalkaranji	16.709583 74.478379	1995	Operational	20	14	SBR	Obtained Consent to Establish				
160			Ichalkaranji Municipal Council (STP 18 MLD)Ichalkaranji STP Takawade	16.684993 74.512667	Commissioning not yet Started	Under Construction	18	NA	SBR	NA	NA	NA	NA	NA
161			Malvan Municipal Council			Proposed	4	NA			NA	NA	NA	NA

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162	Aurangabad Municipal Corporation	5	Kanchanwadi, Aurangabad	M/s. Khillari Infrastrutut e Pvt Ltd	23.12.2017	Operational	161	70	SBR	Applied	7.19	--	--	55
163			Padegaon	M/s. Khillari Infrastrutut e Pvt Ltd	24.04.2018	Operational	10	5	SBR	Applied	7.51	--	--	60
164			Salim Ali Lake	Aqua Tech	28.02.2013	Operational	5	4	SBR	Applied	5.99	--	--	63
165			At Zalta,	M/s. Khillari Infrastrutut e Pvt Ltd	16.05.2018	Operational	35	15	SBR	Applied	7.07	--	--	51
166			Banewadi			Proposed	10	NA			NA	NA	NA	NA
167	Beed Municipal Council	1	Beed			Under Construction	15	NA	SBR	NA	NA	NA	NA	NA
168	Nanded Waghala Municipal Corporation	3	Elichpur	190.08`.45`N 770.21`.28`E	Nov. 2014	Operational	30	17	ASP	Consent valid upto 31.12.2021	7.2 to 8.2	52.75	123.91	40.81
169			Bondar	190.09`.17`N 770.20`.44`E	Nov. 2014	Operational	87	45	ASP		7.2 to 8.2	55.63	96.5	43.74
170			Sangvi	190.11`.36`N 770.20`.03`E	Dec. 2018	Operational	15	8	ASP		7.0 to 8.8	72.4	104	39.3
171		12	Bhandewadi	21°08'18.4"N	2018	Operational	200	200	SBR	31/12/2016	8.2	26	28	13

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	Nagpur Municipal corporation			79°09'18.5" E										
17 2			Bhandewadi	21°08'12.8" N 79°09'32.8" E	2016	Operation al	130	130	SBR	COU	8	24	28	4.6
17 3			Mankapur	21°11'25.0 5"N 79°04'44.6" E	2017	Operation al	5	5	MBBR	Application for C to O return to NMC	7. 7	38	40	12. 4
17 4			Mokshadham	21°08'18.4" N 79°05'44.6" E	2017	Operation al	5	5	MBBR	Application for C to O return to NMC	7. 6	18	32	11. 2
17 5			Kachimet	--	2018	Operation al	1	1	SBT	Application for C to O return to NMC	7. 93	16	24	8
17 6			Sonegaon	21°05'59.0" N 28°02'53.0" E	Sept. 2019	Operation al	0.3	0.3	Phytorid	Application for C to O return to NMC	7. 4	24	52	20. 8
17 7			Hazari Pahad	--	Oct. 2019	Operation al	4	4	SBR	Completed	....	....	....	....
17 8			Somalwada-1(Ongoing work by NIT)	21°05'13.5 0"N 79°4'30.76" E	--	Under Construct ion	20	NA	--	NA	N A	NA	NA	NA
17 9			Somalwada-2 (Ongoing work by NIT)	21°05'16.4 8"N 79°4'17.85" E	--	Under Construct ion	20	NA	SBR	NA	N A	NA	NA	NA
18 0			Ambazari (NIT)	21°07'46.4 2"N 79°1'3.69" E	--	Under Construct ion	3.2	NA	Phytorid bed Trickling Filter	NA	N A	NA	NA	NA

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181			Dabha(NIT)	21°10'118.33"N 79°00'42.29"E	--	Under Construct ion	5	NA	SBR	NA	N A	NA	NA	NA
182			Ittabhatti(NIT)	21°10'35.56"N 79°07'46.50"E		Under Construct ion	10		SBR	NA				
183	Hinganghat Municipal Council	1	Near Smashan bhoomi, Mouda		NA	Proposed	10	NA	ASP	NA	N A	NA	NA	NA
184	Mouda Nagar Panchayat	1	Nagpur road		NA	Proposed	1	NA	ASP	NA	N A	NA	NA	NA
185	Bhandara Municipal Council	1	Tumsar Road, Bhandara			Proposed	15		ASP		N A	NA	NA	NA
186	Pauni Municipal Council	1	Near Mandir, Pauni			Proposed	7		ASP		N A	NA	NA	NA
187	Amravati Municipal Corporation	2	STP-1 –Lalkhadi,	20.56'23.97"N 77.43'42.94" E	2017	Operation al	44.0	44	ASP	31-07-2006. Applied for consent to operate for STP of capacity 30.5 mld on 01-10-2011. Application submitted to Board office on 01-10-2011	7.9	24	72	28
188			STP-2-Lalkhadi	20.56'23.97"N 77.43'42.94" E	2013	Operation al	30.5	30.5	ASP		7.91	20	68	26
189	Akola Municipal Corporation	2	Shiloda	Lati-20.752263 Long - 76.992215	NA	Under Construct ion	30	NA	SBR	NA	N A	NA	NA	NA

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190			PDKV	Lat-20.711595 Long - 77.02539	NA	Under Construct ion	7	NA	SBR	NA	N A	NA	NA	NA
191	Shegaon Municipal Council	1	S.No. 752/1, Charmor, Shegaon, Dist.- Buldana	Lat. 20.47'38.8" N Longi. 76.42'15.9" E	2015	Operational	7	3.5	MBR	Board has granted consent C to O vide no RO- Amravati/Consent/19 01001356 dtd. 18/01/2019 valid upto 30/11/2021.	7.6	35	....	24
192	Municipal Council Washim	1	Opposite to Chamunda Devi Mandir, Nimazaga Washim	20.092752-20.533N , 77.136964-77813E	yet to commission	yet to commission	8	3	SCADA	Board has granted consent C to E vide no RO- Amravati/Consent/17 06000108 dtd. 06/06/2017	N A	NA	NA	NA
193	Chandrapur Municipal Corporation	3	Pathanpura	28.36'21.096"N 77.19'29.784" E	2017	Operational	45	36	ASP	Not obtained	8.14	33.47	39.18	12.76
194			Rehmat Nagar	19.55'34.9068"N 79.17'36.9636" E	2017	Operational	25				7.95	25.89	55.33	21.46
195			Azad Garden	19.9514"N 79.2969" E	2017	Operational	0.5				7.96	23.88	54.75	21.77

C. AIR QUALITY MANAGEMENT IN NON-ATTAINMENT CITIES

(State wise review of compliance to Hon'ble NGT Directions for control of Air Pollution in Non-attainment cities- Maharashtra)

1. **Name of the State/UT** : Maharashtra
2. **Number of cities identified as non-attainment cities** : 18
3. **Detail on Air quality monitoring infrastructure with regard to Manual, Real time stations:**
 - Board has completed the assessment of required no. of Continuous Ambient Air Quality Monitoring Stations (CAAQMS) and manual monitoring stations as per the CPCB guidelines.
 - As per CPCB matrix, assessed no. of CAAQMS stations in Maharashtra: 106
 - As per CPCB matrix, assessed no of manual monitoring stations in Maharashtra: 126
 - Existing CAAQMS in Maharashtra: 23
 - Existing Manual monitoring station in Maharashtra: 78
4. **Whether city action plans prepared for all Non-Attainment Cities** : Yes
 - CPCB has approved city action plans of 17 non-attainment cities.
 - Revised action plan of Thane city as per CPCB's three member committee remarks is resubmitted to CPCB vide letter *MPCB/JD APC/ NCAP/B-864 on dtd. 06.03.2020* and approval is awaited.
5. **Whether the assessment and installation of the requisite number of monitoring stations in the non-attainment cities completed** : Yes
(Enclosed as Table 1)
 - Assessment of requisite no. of monitoring stations in NAC's is completed.
 - Existing CAAQM in NAC's: 20
 - Required CAAQM in NAC's: 19
 - Existing Manual station in NAC's: 55
 - Required Manual station in NAC's: 08
6. **Have polluting sources been identified** : Yes (Enclosed as Table 2)
(Source Apportionment/Emission Inventory)
 - Source Apportionment & Emission inventory study work awarded to IIT (B) & NEERI, Nagpur for 10 cities (Mumbai, Pune, Nagpur, Nashik, Amravati, Aurangabad, Chandrapur, Kolhapur, Navi-Mumbai and Solapur) on dtd. 17.03.2016 and for 7 cities (Akola, Jalna, Latur, Ulhasnagar, Jalgaon, Badlapur) on dtd. 17.06.2019. The work of Thane city source apportionment & emission inventory is awarded to NEERI on dtd. 17.3.2020.
 - NEERI & IIT (B) submitted interim report of 17 cities and same have been communicated to CPCB vide letter *MPCB/JD APC/NCAP/B-743 dtd. 25/02/2020*.
 - Work of carrying capacity study of Nagpur and Navi-Mumbai cities is awarded to NEERI, Nagpur in first phase vide letter *MPCB/JD (APC)/NCAP/Carrying Capacity/200713-FTS-01111 dtd. 13.07.2020*.

- MPC Board vide Letter No. *MPCB/JD APC/NCAP/ 201015-FTS-0041 dtd. 14/10/2020* communicated proposed cities for joint studies for SA & CC study to CPCB as per Hon'ble NGT directions in O.A. No. 681/2018 dtd. 21/08/2020.

7. **Does short term actions to control dust Emissions as per city action plan, regularly Implemented & monitored?** : Yes
(Details Enclosed as Annexure A)
 - Use of mechanical road sweeping machines, creation of green buffers along traffic corridors, blacktopping & widening of roads, utilization of C&D (Construction and Demolition) waste for pot hole filling, etc. actions are in implementation phase to control dust emissions. City wise details provided in Annexure-A
 - For monitoring of implementation of the city action plan three level committees are constituted viz., Steering Committee headed by Chief Secretary-GoM, Air Quality Monitoring Committee (AQMC) headed by Principal Secretary-Environment and City Level Implementation Committee headed by District Collector/ Municipal Commissioner.
 - The committees are conducting regular review meetings with respective stakeholders for effective implementation of city action plan.

8. **Does short term actions to control emissions from waste burning and dumping as per city action plan, regularly implemented & monitored?** : Yes
(Details Enclosed as Annexure A)
 - Cities have initiated actions like installation of garbage/waste processing plants, procurement of Ghanta-Gadies, tippers, dumpers for scientific waste handling, imposition of levy/ fine for open burning, installation of waste to energy plants, etc. to control emissions from waste burning and dumping. City wise details provided in Annexure-A.
 - For monitoring of implementation of the action plan three level committees are constituted namely, Steering Committee headed by Chief Secretary-GoM, Air Quality Monitoring Committee (AQMC) headed by Principal Secretary-Environment and city level implementation committee headed by District Collector/ Municipal Commissioner.
 - The committees are conducting regular review meetings with respective stakeholders for effective implementation of city action plan.

9. **Micro level planning for each of actions in the city plan framed?** : Yes
 - Revised action plans submitted to CPCB vide letter *MPCB/JD APC/NCAP/B-743 dtd. 25/02/2020*.
 - As per the study outcomes of SA & EI studies and in consultation with respective stakeholder's microplanning of city action plans including hotspot management will be done.

10. **Implementation status of city plans in %:**
 - MPC Board directed the respective corporation/council(s) to submit the quarterly implementation progress report as per the format specified by CPCB.

- The city action plan implementation progress of Maharashtra state till 30.06.2020 (Quarter: April-June, 2020) has been communicated to CPCB vide letter *MPCB/JD APC/ NCAP/ 200710-FTS-0027 dtd. 10.07.2020*
- The city action plan implementation progress of Maharashtra state till 30.09.2020 (Quarter: July-September, 2020) has been approved in the AQMC meeting convened on 24.11.2020 and the same is submitted to CPCB vide letter *MPCB/JD (APC)/ NCAP/ 201126-FTS-0107 dtd. 26.11.2020* for 16 non-attainment cities.
- Following key initiatives implemented by cities as per action plan:
 - Procurement E-Buses for public transportation
 - Promoting green mode of transportation by developing bicycle tracks
 - Public E-Bike sharing scheme
 - Installation of Remote Sensor based/ online PUC systems
 - Smart parking project with identification of new parking locations
 - Improvement in public transport system- METRO rail project, increase in CNG operated vehicles, battery operated vehicles, etc.
 - Deployment of traffic synchronization system

11. Status of Emergency Response System developed including GRAP : Yes

- Board vide letter *MPCB/JD APC/ NCAP/B-4828, 4829 dtd. 29.11.2019* communicated the Hon'ble NGT order to respective authorities- State Disaster Management and Meteorological Department for necessary actions.
- For Emergency Response System (ERS) including Graded Response Action Plan (GRAP), MPC Board has prepared the draft plan and is under approval process.

12. Public Grievance Redressal Portal status : Yes

- MPC Board has launched E-catalyst application with a new feature of complaint section for public grievances and redressal.
- The information containing documentation file for the app's flow & complaint section's dashboard has been communicated to CPCB vide letter *MPCB/JD APC/ NCAP/200727-FTS-0003 dtd. 27.07.2020*

13. Progress in line with the timelines mentioned in the approved plan : Yes

Most of the actions are in line with city action plan timelines. Wherever, there is a deviation in timeline, it has been mentioned in the quarterly progress report submitted by the non-attainment cities.

14. Constitution of District Level Committee : Yes

covering each Non-Attainment city

City Level Implementation Committees
constituted under District Collector/
Municipal Corporation Commissioner
vide GR dtd. 18.09.2019

**TABLE 1: STATUS OF CAAQMS / NAMP MONITORING STATIONS UNDER SPCB's /PCC's
NON-ATTAINMENT CITIES OF MAHARASHTRA STATE (NCAP)**

Sr. No.	Population as per census 2011	Number of Towns / Cities	Sr. No.	Name of Towns / Cities with Population	CAAQMS			Manual Stations			Total Required Stations as per CPCB criteria
					Existing stations	Required stations as per CPCB Criteria	Required stations	Existing stations	Required stations as per CPCB Criteria	Required stations	
1	1,00,000 to < 5,00,000	6	1	Akola - 4,25,817	1 in tendering process	1R	0	3	1B,2R/C	0	1 CAAQMS 3 Manual
			2	Badlapur - 1,74,226	Nil	1R	1	1	1B,2R/C	2	1 CAAQMS 3 Manual
			3	Chandrapur - 3,20,379	2	1R	0	6	1B,2R/C	0	1 CAAQMS 3 Manual
			4	Jalgaon - 4,60,228	1 in tendering process	1R	0	3	1B,2R/C	0	1 CAAQMS 3 Manual
			5	Jalna - 2,85,577	Nil	1R	1	2	1B,2R/C	1	1 CAAQMS 3 Manual
			6	Latur - 3,82,940	1 in tendering process	1R	0	3	1B,2R/C	0	1 CAAQMS 3 Manual
2	5,00,000 <= 10,00,000	5	7	Amravati - 6,47,057	2 in tendering process	1R, 1 Traffic Dominant area, 1 C	1	3	1B,2R/C	0	3 CAAQMS 3 Manual
			8	Kolhapur - 5,49,236	3 in tendering process	1R, 1 Traffic Dominant area, 1 C	0	3	1B,2R/C	0	3 CAAQMS 3 Manual

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Sr. No.	Population as per census 2011	Number of Towns / Cities	Sr. No.	Name of Towns / Cities with Population	CAAQMS			Manual Stations			Total Required Stations as per CPCB criteria
					Existing stations	Required stations as per CPCB Criteria	Required stations	Existing stations	Required stations as per CPCB Criteria	Required stations	
			9	Sangli Miraj Kupwad - 5,02,793	1 in tendering process	1R, 1 Traffic Dominant area, 1 C	2	3	1B,2R/C	0	3 CAAQMS 3 Manual
			10	Solapur - 9,51,558	1,2 in tendering process	1R, 1 Traffic Dominant area, 1 C	0	2	1B,2R/C	1	3 CAAQMS 3 Manual
			11	Ulhasnagar - 5,06,098	1 in tendering process	1R, 1 Traffic Dominant area, 1 C	2	2	1B,2R/C	1	3 CAAQMS 3 Manual
3	10,00,000 < = 50,00,000	6	12	Aurangabad - 11,75,116	1, 2 in tendering process	2R, 1 Traffic Dominant area, 1 C, 1 I	2	4	1B,2R/C	0	5 CAAQMS 3 Manual
			13	Nagpur - 24,05,665	1, 3 in tendering process	2R, 1 Traffic Dominant area, 1 C, 1 I	1	4	1B,2R/C	0	5 CAAQMS 3 Manual
			14	Navi Mumbai Municipal Corporation - 11,20,547	2	2R, 1 Traffic Dominant area, 1 C, 1 I	3	5	1B,2R/C	0	5 CAAQMS 3 Manual
			15	Nashik - 14,86,053	1, 2 in tendering process	2R, 1 Traffic Dominant area, 1 C, 1 I	2	4	1B,2R/C	0	5 CAAQMS 3 Manual

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Sr. No.	Population as per census 2011	Number of Towns / Cities	Sr. No.	Name of Towns / Cities with Population	CAAQMS			Manual Stations			Total Required Stations as per CPCB criteria
					Existing stations	Required stations as per CPCB Criteria	Required stations	Existing stations	Required stations as per CPCB Criteria	Required stations	
			16	Thane - 18,41,488	3 in tendering process	2R, 1 Traffic Dominant area, 1 C, 1 I	2	3	1B,2R/C	0	5 CAAQMS 3 Manual
			17	Pune - 31,24,458	1, 2 in tendering process	2R, 1 Traffic Dominant area, 1 C, 1 I	2	4	1B,2R/C	0	5 CAAQMS 3 Manual
4	> 50,00,000	1	18	Greater Mumbai - 1,24,42,373	11, 4 in tendering process	4R, 3 Traffic dominant area, 3 C, 2 I	0	1	1B in upwind direction, 1 B in downwind direction, 2R/C	3	12 CAAQMS 4 Manual
REMARKS											
	1. As per CPCB's draft criteria for designing the Ambient Air Quality Monitoring Network: Details of NAMP & CAAQMS for non-attainment cities in the State of Maharashtra					Existing CAAQMS: 20			Existing Manual: 55		
						Proposed CAAQMS: 28					
						Additional CAAQMS Required: 19			Additional Manual stations required :08		
	2. The above mentioned CAAQMS and manual stations are operated by MPC Board										
	3. At present Manual Stations are monitoring SO ₂ , NO ₂ & PM ₁₀ parameters										
	4. CAAQMS stations are monitoring all 8 + weather parameters										
5. R -Residential, C -Commercial, I -Industrial, B -Background											

Table 2: Status of Source Apportionment (SA)/Emission Inventory (EI)

Name of the State	City Name	Status of SA/EI	Study Conducted By	Year	Expected time for completion of the study	Remarks
Maharashtra	Mumbai	Work order for conducting SA study for 10 cities awarded to IITB & NEERI vide letter dtd.17.03.2016	IIT(B) & NEERI	2016	Dec 2020	IITB/NEERI submitted the short-term study report of EI & SA studies. The details of the work orders and study reports have been communicated to CPCB.
	Pune					
	Nagpur					
	Nashik					
	Amravati					
	Aurangabad					
	Chandrapur					
	Kolhapur					
	Navi Mumbai					
	Solapur					
	Akola	Work order for conducting SA study for 7 cities awarded to IITB & NEERI vide letter dtd. 17.06.2019	IIT(B) & NEERI	2019	Dec 2020	
	Jalna					
	Latur					
	Ulhasnagar					
	Jalgaon					
	Badlapur					
	Sangli					
	Thane	Work order for conducting SA study for Thane awarded to NEERI vide letter dtd. 17.03.2020	NEERI	2020	Dec 2021	

Annexure-A

Sr. No.	City	7. Does short term actions to control dust emissions as per city action plan, regularly Implemented & monitored?	8. Does short term actions to control emissions from waste burning and dumping as per city action plan, regularly implemented & monitored?
1	Akola	Yes , Regular cleaning of street surfaces and spraying of water to suppress dust.	Yes , Continuous drive by Health Dept. and penalty imposed on those found burning waste
2	Amravati	Yes , Plantation along the roadside, order issued to planning and development department to control fugitive dust emission, create green buffer zone. Three water fountains are installed at major traffic intersections.	Yes , Drive was launched vide order No.1-AMC/ENV/MC/824/2017 dated-15-02-2017, No.2-AMC/ENV/MC/15/2017 dated-15-04-2016 which is in force till date. Order issued to field officers and power have been delegated to panelized violators, Public awareness through print media.
3	Aurangabad	Yes , One truck mounted Mechanical Road Sweeping machine in use since 2015 at cost of Rs 75 Lakhs, per day capacity is 25 km/day. Renovation of existing water fountains at 3 locations.	Yes , A total of 27 ex-servicemen's civilian friend squads have been appointed for each of the 9 zones to prevent open burning of garbage in the city. The team takes punitive action against those who burn garbage in the city, found to do open littering and use plastic. Construction of 30MT capacity Bio-methanation Solid Waste Project at Kanchanwadi is underway and 90% of the project is completed.
4	Badlapur	Yes , All major and internal roads are cleaned Manually by Sweepers. Sweepers deployed for this purpose is 466. To hire the Mechanical Sweeper for main roads is proposed. 4 Nos. of water fountains installation proposed. Road widening in progress as per City Development Plan.	Yes , Under Swachh Survekshan, Municipal Council has a dedicated team of Sanitary Inspector & Sanitation Workers including a separate squad under Solid Waste Management Department which daily keeps check & control of burning of Municipal Solid Waste. Council appointed Agency to levy spot fine to the defaulters against garbage burning. No expenses will be incurred as Council will get 51% royalty of the total fine collected.
5	Chandrapur	Yes , One water fountain is installed at major traffic intersection. 18 km of road length has been black topped.	Yes , Inspections done to regularly check and control of burning of municipal solid wastes.
6	Jalgaon	Yes , Jalgaon Municipal Corporation purchased pot hole repair machine for continuous	Yes , Continuous drive by Health Dept. and penalty imposed on those found burning waste.

Sr. No.	City	7. Does short term actions to control dust emissions as per city action plan, regularly Implemented & monitored?	8. Does short term actions to control emissions from waste burning and dumping as per city action plan, regularly implemented & monitored?
		operation of maintenance of roads. Guideline for safe disposal of Construction and demolition were incorporated in building permission process. Four water fountains are installed at major traffic intersections.	
7	Jalna	Yes , introduction of two water fountains at major traffic intersection. 2.35 km of road widened.	Yes , Jalna SWM DPR approved on 12.04.2018 for Rs 16.52 Cr. Procurement of vehicles -33 Ghanta gadies Received; 4 Tippers, 2 Dumpers to be delivered Technical sanction for Bio mining & Bio methanation is accorded. Civil work in progress for Waste Processing center at Samangaon. Over 50,000 households sensitized for waste segregation through IEC activities.
8	Kolhapur	Yes , Cleaning of street is being done by manual sweeping. Plantation program along traffic corridors & open areas is held in rainy season	Yes , Awareness campaign has been held at Keshavrao Bhosale hall for all sanitation staff on open burning ban. 104 auto-tippers have been provided for separate dry waste collection. Biogas, RDF, windrow composting systems are operational.
9	Latur	Yes . Two water fountains renovated and in operation at major traffic intersections. Creation of green buffers along the traffic corridors and their maintenance completed at four locations.	Yes , Regular check and control of burning of municipal solid wastes. Rs 500 penalty on individuals Rs 1000 penalty on hotels or other organization for waste burning.
10	Mumbai	Yes , Road Maintenance Management System (RMMS) is implemented in MCGM. 2000 Km of Road length is swept on daily basis. Around 1750 Km of Road is swept by Municipal & NGO staff on daily basis. 253 Km/day is swept by Mechanical Sweepers. MCGM is already implementing C&D (M&H) Rules, 2016 in city. Also, C& D Rules 2016 is being	Yes , Burning of garbage is prohibited in the jurisdiction of MCGM, as per provisions of Greater Mumbai Cleanliness and Sanitation Bye-Laws, 2006 under clause no. 5.10. For violation of above clause, the fine up to Rs. 100/- is imposed against the nuisance creators/defaulters. MCGM has already setup Solid Waste Processing facility at Kanjur Landfill site & has been operational since 13.12.2011. Presently, around 3250

Sr. No.	City	7. Does short term actions to control dust emissions as per city action plan, regularly Implemented & monitored?	8. Does short term actions to control emissions from waste burning and dumping as per city action plan, regularly implemented & monitored?
		complied with reference to provision of separate facility for collection and storage, payment of charges.	TPD per day is being processed and will further enhance to 6000 TPD by April 2019.
11	Nagpur	Yes , Developed green buffer at road dividers, vertical garden at metro rail corridor, internal tar road in major large scale industry, closed container transport of C&D waste. Regularly street sweeping done by health employees at 10 Nos. Zone offices of NMC.	Yes , Open waste burning is banned and fine is imposed by nuisance detection squad of NMC for such activities. Installed 10 shredding machine for processing horticulture waste. Composting unit, MRF center and scientific landfill site constructed at Bhandewadi Nagpur.
12	Nashik	Yes , Phase wise blacktopping of W.B.M. roads in Panchavati, Nashik road, Satpur, New Nashik, Nashik East and Nashik West division is planned. WBM roads 110 km and Concrete 2 km (ongoing) and completion by June 2020. Budgetary provision made by NMC	Yes , Heavy penalty mechanism for open burning of garbage. A special squad has been formed for identification of open burning of garbage or waste. NMC grievance app named NMC e -connect has been developed. Waste To Energy plant: Technology employed is Bio Methanation process. Capacity of plant is 30T per day. Details of land fill sites: NMC has constructed sanitary land fill sites for processing rejects and inert material.
13	Navi Mumbai	Yes , Regular Maintenance of Road for pothole free roads. All Major roads are swept by 08 Mechanical Sweeper & All internal roads are cleaned manually by sweepers. Sweepers employed for this purpose is 2646. Green plantation/ vegetation on divider & along road-side. NMMC has already implementing the green space development in Navi Mumbai City.	Yes , Navi Mumbai has a dedicated team of Sanitary Inspector & Sanitation Workers including a separate squad under Solid Waste Management Department which daily keeps a check & control of burning of Municipal Solid Waste for complete ban on garbage burning. 8 dumpers separately deployed for collection of green waste. 167 nos. of garden composting pit are provided for composting of horticultural waste produced in/from gardens.
14	Pune	Yes , For regular cleaning of street surfaces and spraying of water to suppress dust PMC has four mechanical sweeper vans. Creation of green cover: there are	Yes , Regular check and control of burning of municipal solid wastes is done in PMC jurisdiction and penalty is imposed on the defaulters. PMC has stopped open

Sr. No.	City	7. Does short term actions to control dust emissions as per city action plan, regularly Implemented & monitored?	8. Does short term actions to control emissions from waste burning and dumping as per city action plan, regularly implemented & monitored?
		36 road medians and traffic islands which are maintained by Private agencies on PPP basis. C & D Policy is being adopted by PMC. The C & D waste is being transported to abandoned quarry for further processing.	dumping at the landfill site. Scientific capping has been done for old landfill.
15	Sangli	Yes , Work of regular cleaning of street surfaces is done by road cleaning machine. CPCB guidelines have been followed for C&D waste. Work for water fountain installation is in progress at Kolhapur road.	Yes , Continuous drives conducted and penalty imposed on those found burning municipal solid waste.
16	Solapur	Yes , Daily cleaning of streets are being done by manual sweeping. Four advanced transfer stations are made for development of C&D waste management facility. SMC has strictly enforced C&D rule 2016.	Yes , SMC has strictly banned open burning and deposition. Strict regular monitoring is going on through Zonal officers and Sanitary Inspectors. Total 26 electoral wards having waste segregation at source is being practiced with the help of Ghanta gadies. 3L Dustbins provided under SMART City for segregation at source.
17	Thane	Yes , Scrapping and levelling of roads is a continuous process. Regular cleaning of street surfaces and spraying of water to suppress dust. C& D policy is implemented and 600 TPD plant in operation.	Yes , 245 Cleanliness Marshalls deployed by TMC Commissioner to ensure no waste dumping, burning on streets and maintaining cleanliness in the city Penalties imposed for throwing waste, not practicing waste segregation and not maintaining cleanliness.
18	Ulhasnagar	Yes , Deep cleaning of existing fountains, operation maintenance and renovation of fountains in UMC limits is done. C&D is collected and waste used to fill pot holes of road.	Yes , 360 MT solid waste is generated each day out of which 199.61 T is wet waste and 106.37 T is dry waste. Wet waste is composted at 3 locations. There are 3 composting pits and 1 shed for dry waste segregation and processing.