

MAHARASHTRA POLLUTION CONTROL BOARD

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No. MPCB/MS/63

Date: 07/11/2019

To,

Shri Prasanna Gargava,
Member Secretary,
Central Pollution Control Board,
Parivesh Bhavan, East Arjun Nagar,
Delhi-110 032.

Sub : Submission of Compliance Report in the matter of
Original Application No.606/2018.

Ref : Your letter dated 27/09/2019.

Sir,

May I refer to your letter dated 27/09/2019 regarding submission of compliance report in the matter of Original Application No.606/2018 – Compliance of Solid Waste Management Rules, 2016.

In compliance of the order dated 12/09/2019 passed by the Hon'ble NGT in the above matter, the information of the State of Maharashtra in respect of six thematic areas namely Solid Waste, E-Waste, Bio-Medical Waste, Noise, Hazardous Waste and Sewage Treatment Plant is enclosed for kind perusal.

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

Yours faithfully,

(E. Ravendiran, IAS)
Member Secretary

Encl : As above

Copy submitted for favour of information to:

1. Hon'ble Principal Secretary, Environment Department, Govt. of Maharashtra, Mantralaya, Mumbai.
2. Hon'ble Chairman, Maharashtra Pollution Control Board, Mumbai.

Copy to: Regional Officer(HQ)/Law Officer(P&L Divn.I), MPCB, Mumbai – for information and necessary action.

REPORT IN COMPLIANCE OF THE ORDER DATED 12/09/2019 PASSED BY THE HON'BLE NGT IN ORIGINAL APPLICATION NO.606-2018- COMPLIANCE OF SOLID WASTE MANAGEMENT RULES, 2016.

1. Compliance to Solid Waste Management Rules 2016 including Legacy Waste

SN	Item	State Response	Remark	Current Status	Desirable Level as per statuses	Gap Between Current Status and Desired levels	Time frame for addressing the Gap
1	Percentage of Districts in which Special Task Force (four members nominated by DM, SP, RO SPCB & District Legal Services Authority) for awareness has been created	Numeric value between 0-100 (NV 0-100)	Special Task Force has been formed in all the districts of the state.	100%			
2	Percentage of ULBs which have framed byelaws incorporating provisions of SWM Rules (15e)?	NV 0-100	As per the state policy, model byelaws have been implemented and made available to ULBs	100%	-	-	-
3	Percentage of Operators of Solid Waste processing facility who have submitted Annual Report (Detailed Information to be Uploaded)	NV 0-100	Annual report submitted by operators to ULBs in the given time limit	100%	-	-	-
4	Percentage of ULBs which have appointed Nodal Officers/Committees	NV 0-100	All ULBs have appointed Nodal Officer	100%	-	-	-
5	Percentage of ULBs which have submitted Annual Report in Form IV to Sec. UD and SPCB	NV 0-100	All ULBs have submitted the Annual Report	100%	-	-	-
6	Percentage of ULBs in which Sweeping is carried out twice or more in Public Areas	NV 0-100	Sweeping is carried out in ULBs, twice or more in Public Areas	90-95%	100%	10-15%	April 2019

SN	Item	State Response	Remark	Current Status	Desirable Level as per statuses	Gap Between Current Status and Desired levels	Time frame for addressing the Gap
7	Percentage of ULBs in which Sweeping is carried out once or more in residential areas	NV 0-100	Sweeping is carried out once or more in residential areas	90-95%	100%	10-15%	April 2019
8	Percentage of ULBs in which User Fees has been incorporated in Bye-laws	NV 0-100	As per state policy, model byelaws has been implemented and its mandatory to all	100%	-	-	-
9	Percentage of ULBs having Door to Door Collection System	NV 0-100	All ULBs practice D-to-D collection of solid waste	100%	-	-	-
10	Percentage of ULBs transporting wastes in covered vehicles	NV 0-100	The covered vehicles have been already sanctioned in SWM DPRs and its being implemented in ULBs	75-80%	100%	20-25%	March 2020
11	Percentage of ULBs having GPS installed on garbage collection vans (> 5 Lakh population)	NV 0-100	19 ULBs with >5L Population	100%	Applicable to 19 ULBs	-	-
12	Percentage of ULBs having compartmentalized vehicles for collection of different fractions of waste	NV 0-100	The compartmentalized vehicles has been approved in SWM DPRs for ULBs and its being implemented	75-80%	100%	20-25%	March 2020
13	Percentage of ULBs having Computerized Weighing machine for weighing solid waste	NV 0-100	Weighing mechanism has been provided in SWM DPR and bigger cities are having computerized weighing machine	75-80%	Applicable to ULBs where waste	-	-

SN	Item	State Response	Remark	Current Status	Desirable Level as per statuses	Gap Between Current Status and Desired levels	Time frame for addressing the Gap
					generation is more		
14	Percentage of ULBs having tipping fees based on quantum of waste generated/ processed	NV 0-100		6%			
15	Percentage of ULBs having twin-bin system installed at public places	NV 0-100	All ULBs have been instructed to place Twin-Bins at the distance of 50-100m in Public Areas	90%	100%	10%	Dec 2020
16	Percentage of ULBs having transfer stations instead of secondary storage bins	NV 0-100	The state policy does not allow ULBs to have secondary storage and transfer stations because of possibility of mixing of segregated waste, although few large Corporations have transfer station at the intervals due to the extent of city span where the storage of segregated waste is being ensured.	State policy does not allowed	-	-	-
17	Percentage of ULBs in which PPE has been provided to workers	NV 0-100	Hand gloves, Protective Jacket, Cap, Protective Mask, Gum boots has been proved to workers	100%	-	-	-

SN	Item	State Response	Remark	Current Status	Desirable Level as per statuses	Gap Between Current Status and Desired levels	Time frame for addressing the Gap
18	Percentage of ULBs in which Capacity Building of Local Bodies has been taken up by State Deptt. Of UD	NV 0-100	Regular workshops and seminars by State Government is being conducted at ULB/ District/ Divisional level	100%	-	-	-
19	Percentage of ULBs in which workers have been educated on door to door collection of waste	NV 0-100	Local level workshops at ULB level is being conducted regularly	100%	-	-	-
20	Percentage of ULBs in which Training has been imparted to waste pickers/ waste collectors	NV 0-100	Local level workshops at ULB level is being conducted regularly	100%	-	-	-
21	Percentage of ULBs having separate street sweeping collection and disposal system	NV 0-100	All ULBs have separate street sweeping collection system and collected waste is being disposed at common processing unit	90-95%	100%	5-10%	April 2020
22	Percentage of ULBs in which segregation of waste at household level / source has been implemented	NV 0-100	Implemented in All ULBs	90-95%	100%	5-10%	April 2020
23	Percentage of ULBs in which waste segregation by street sweepers has been implemented	NV 0-100	Street sweepers are trained and instructed to collect segregated waste into dry & wet waste and transport it to MRF center for further segregation	80-85%	100%	10-15%	April 2020

SN	Item	State Response	Remark	Current Status	Desirable Level as per statuses	Gap Between Current Status and Desired levels	Time frame for addressing the Gap
24	Percentage of ULBs in which segregation of waste by RWAs, market associations, gated communities, institutions (>5000 sqm area) hotels, restaurant etc has been implemented	NV 0-100	Segregation of waste has been implemented in ULBs.	80-90%	100%	10-20%	April 2020
25	Percentage of ULBs in which segregation of waste for inert and C&D waste has been implemented	NV 0-100	Segregation of inert and C&D waste is already been implemented.	70-75%	100%	25-30%	April 2020
26	Percentage of ULBs in which informal sector of waste pickers, waste collectors and recycling industry in reducing waste in state policy has been implemented	NV 0-100	This has been implemented and made available	90-95%	100%	5-10%	Ongoing
27	Percentage of ULBs in which space for segregation storage and processing of solid waste for 200 units / 5000 square has been allocated	NV 0-100	This has been made available. Identification and procurement of land is in process and the temporary facility has been made available for remaining ULBs,	92%	100%	8%	April 2020
28	Percentage of ULBs in which scheme for registration of waste pickers and dealers has been implemented	NV 0-100	The registration of waste pickers and dealers has been implemented in ULBs	90-95%	100%	5-10%	Ongoing

SN	Item	State Response	Remark	Current Status	Desirable Level as per statuses	Gap Between Current Status and Desired levels	Time frame for addressing the Gap
29	Percentage of ULBs in which land has been identified for setting up the waste processing facilities (22 (1))	NV 0-100	For remaining ULBs, identification and procurement of land for setting up processing facility is in process	92%	100%	8%	April 2020
30	Percentage of ULBs in which non-biodegradable waste and inert waste are used for filling up of construction areas and construction of roads	NV 0-100	As per state policy, non-biodegradable waste is getting recycled & processed and inert waste is sent to Landfill.	Not Applicable	Not Applicable	-	-
31	Percentage of ULBs in which usage of RDF by Cement Plants / Power Plants / Industries located within 200 km of such facility has been implemented	NV 0-100	This has been implemented where Cement Plants / Power Plants / Industries located within 200 km. The remaining ULBs have centralized collection and transportation of RDF to such facilities.	51%	-	-	-
32	Percentage of ULBs in which home / decentralized and centralized composting has been initiated	NV 0-100	The state policy is to promote home / decentralized and centralized composting. HARIT Maha City; a compost brand by state made available to ULBs	80-85%	100%	15-20%	April 2020

SN	Item	State Response	Remark	Current Status	Desirable Level as per statuses	Gap Between Current Status and Desired levels	Time frame for addressing the Gap
33	Percentage of ULBs in which storage of Horticulture waste on generators own premises has been initiated	NV 0-100		16%			
34	Percentage of ULBs in which setting up of solid waste and processing facilities has been incorporated in Master Plan of the city	NV 0-100	ULBs have Development Plan in which Provision of SW processing site has been given. DP for Newly formed 123 Nagar Panchayats are under process. SWM DPRs for all ULBs are under implementation stage and same is being regularly monitored by state	68%	SWM DPRs has been approved in all ULBs	-	Dec 2020
35	Percentage of ULBs in which 5% or 5 sheds in SEZ, IE, Industrial Parks have been allocated for recovery and recycling facility	NV 0-100		2%			
36	Percentage of ULBs in which material recovery facilities for sorting of recyclables by informal sector have been set up	NV 0-100	ULBs have set up MRF center for the segregation of waste as per approved DPR.	90-95%	100%	5-10%	Dec 2020
37	Percentage of ULBs in which waste from vegetable, flower, fish, meat, poultry market is processed in Biomethanation plant	NV 0-100	Composting facility is operational in all ULBs. However, few ULBs process the waste from vegetable, flower, fish,	5 %	-	-	-

SN	Item	State Response	Remark	Current Status	Desirable Level as per statuses	Gap Between Current Status and Desired levels	Time frame for addressing the Gap
			meat, poultry market in Biomethanation plant				
38	Percentage of ULBs in which chemical fertilizers in parks has been phased out	NV 0-100		10%			
39	Percentage of number of waste processing based on waste to energy/RDF	NV 0-100	42 ULBs have WTE/RDF waste processing facility as per requirement	10%	-	-	-
40	Percentage of waste processing units based on Composting / Biomethanation Plant	NV 0-100	SWM DPRs have facility for Bio-degradable waste, although other facilities such as biogas, WTE, Vermi-compost, Bio-mining etc. have been provided to ULBs wherever required	90-95%	100%	5-10%	April 2020
41	Percentage of ULBs in which Biodegradable waste is sent to Compost / Biomethanation Plant	NV 0-100	ULBs send their Biodegradable waste to Compost Plants.	90-95%	100%	5-10%	April 2020
42	Percentage of ULBs in which non-biodegradable wastes is sent to MRF / secondary storage facility	NV 0-100	ULBs have set up MRF center for the segregation of non-biodegradable waste as per approved DPR.	95-100%	100%	5%	April 2020
43	Percentage of Waste to Energy Plants having facilities for segregation of waste prior to	NV 0-100	Total 8 WTE plants are in Maharashtra out of which 4 are operational and 4 are under construction	2%	Applicable to only 8 ULBs	-	-

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	processing of waste in WTE Plants		phase and all plants have facility for segregation				
44	Percentage increase in number of Authorizations granted	NV 0-100	Total 250 ULBs are required to obtain Authorization, out of which 183 have obtained the Authorization.	73.2%	100%	26.8%	December 2020
45	Percentage of ULBs displaying data related to functioning of plant and its adherence to prescribed parameters displayed on ULBs website	NV 0-100	All ULBs have their own website where information related to SWM plants has been uploaded	75%	100%	25%	April 2020
46	Percentage of ULBs in which land has been identified for landfill site (11 f)	NV 0-100	ULBs have identified land for landfill site	75%	100%	25%	April 2020
47	Percentage of ULBs in which land has been allocated for landfill site (rule 12a)	NV 0-100	ULBs have procured land for Landfill site	75%	100%	25%	April 2020
48	Percentage of ULBs having own / regional operational landfill sites	NV 0-100	ULBs have procured land for Landfill site	75%	100%	25%	April 2020
49	Percentage of landfill sites in which provision of Green Belt/ Buffer Zone around landfill sites has been made	NV 0-100	This has been provided as per the guidelines	75%	100%	25%	April 2020

SN	Item	State Response	Remark	Current Status	Desirable Level as per statuses	Gap Between Current Status and Desired levels	Time frame for addressing the Gap
50	Percentage of Landfill sites for which Buffer Zone has been notified	NV 0-100	This has been provided as per the guidelines	100%	-	-	-
51	Percentage of landfill sites in which efforts have been taken to prevent / manage generation of leachate	NV 0-100	Efforts has been taken in all ULBs	95-100%	100%	5%	April 2020
52	Percentage of landfill sites in which efforts have been taken to prevent / manage generation of methane gas	NV 0-100	Efforts has been taken in all ULBs	95-100%	100%	5%	April 2020
53	Percentage of landfill / dumpsites in which CCTV has been installed	NV 0-100	15 ULBs have installed CCTV at their Dumpsite	04%	-	-	-
54	Percentage of ULBs having Decentralized waste disposal facilities	NV 0-100	ULBs have decentralized Waste disposal Facility as per requirement	40%	As per requirement	-	-
55	Percentage of landfill sites in which landfilling or dumping of mixed waste is continued	NV 0-100	State guidelines emphasize segregation of waste at source and therefore this does not allow dumping of waste in unscientific way	0-2%	0%	2%	Dec 2019
56	Percentage of landfill sites in which only non-usable, non-recyclable, non-biodegradable, non-combustible and non-reactive waste is disposed	NV 0-100	State guidelines emphasize disposing of inert waste in landfill sites	95-100%	100%	0-5%	Dec 2019

SN	Item	State Response	Remark	Current Status	Desirable Level as per statuses	Gap Between Current Status and Desired levels	Time frame for addressing the Gap
57	Percentage of ULBs in which Investigation of old / existing dumpsites for bio-mining has been initiated	NV 0-100	Bio-Mining project has been proposed in 203 ULBs after investigating the old dumpsite	53%	Applicable to 203 ULBs	-	-
58	Percentage of ULBs which have framed Bye-laws incorporating User Fees and Spot fines for littering	NV 0-100	Government of Maharashtra has framed state level policy for User Charges and Spot Fines and made mandatory to all	100%	-	-	-
59	Percentage of ULBs having Citizen Grievance Redressal Mechanism	NV 0-100	Citizen Grievance redressal mechanism is present in all ULBs	90-95%	100%	5-10%	April 2020
60	Percentage of ULBs uploading month-wise details of SWM targets on MIS	NV 0-100	All ULBs upload monthly MIS every month and being regularly monitored by GoM	100%	-	-	-

Bio-Mining of Legacy Waste:

- The waste accumulated over years before proper solid waste management systems were set up in the state have been examined and quantified while the preparation of SWM DPRs. Provision of Bio-Mining or Bio-Remediation for clearing up of such legacy waste or dumping grounds is provided as per the requirements to 208 ULBs. The process of Bio-Mining will clear the accumulated waste as well as clear the land that can be used for processing of solid waste.
- The Bio-Mining process was carried out in 13 ULBs on Model Basis to study the procedure in detail and then the method is being duplicated in all the remaining ULBs where Bio-Mining is required.
- Bio-Mining Process has been initiated in the required Urban Local Bodies and is being regularly monitored from the State Level.

- Bio-Mining work has been started in Mulund Landfilling site.

Identification of Model cities/ village panchayats:

As per directions given by Hon'ble NGT in order dated 16.01.2019, 3 Model municipal corporations and 3 model municipal councils have been identified by Urban Development Department, Govt of Maharashtra for compliance with Solid Waste Management Rules 2016. In addition, three village Panchayats each in 32 districts out of 34 districts in the Maharashtra state have been identified as model village panchayats by Rural Development & Panchayat Raj Department, Government of Maharashtra.

The Hon'ble Chief Secretary took the review with respect to the compliance of Hon'ble NGT directions on 05-02-2019, 16-04-2019, 11-06-2019, 30-08-2019, 19-09-2019, 9-10-2019 and 31-10-2019.

2. Compliance with Bio-medical Management Rules, 2016

Questionnaire for compliance monitoring of BMW Management Rules, 2016 (Forwarded by CPCB)

Sr.No.	Question	Remark
1	Why inventory on numbers of Healthcare Facilities is still incomplete in State/UT, as required under BMW Rules, 2016??	<p>1. MPC Board has Inventory of HCEs having issued/Applied BMW Authorization.</p> <p>2. Simultaneously MPCB has requested concerned State government Departments Civil surgeon, District Health Officer, Medical Officer of Municipal corporation/Council to submit the information of HCF registration available with them, which is partly awaited.</p> <p>3. MPCB has also initiated third party inventorization process to verify and update data provided by concerned Departments.</p> <p>Due to poor tender response, revised e-Tender is scheduled.</p>
2	What is the reason that inventory is still under process?	Poor response to e-Tender for inventory updation.
3	As observed that non-bedded HCFs have no applied for authorization, why such HCFs are allowed to operate without authorization under BMW Rules, 2016?	<p>1. Online Relatime BMW Authorization granting Process made available on MPCB portal w.e.f. December 2017, till now 1248 nos HCEs have used online facility</p> <p>2. Awareness being created by MPCB & CTF operators through Public notice.</p>
4	How many applications are still under process with State Boards for grant of authorization?	1863 As on 6th November 2019.(ongoing process)
5	In case of no Common Biomedical Waste Treatment facility in Arunachal Pradesh, Andaman & Nicobar, Goa, Lakshadweep, Mizoram, and Nagaland & Sikkim State/UT, how generated biomedical waste is being treated and disposed?	<p>Not Applicable.</p> <p>(31 No of BMW CTFs are operating in Maharashtra)</p>

Sr.No.	Question	Remark
6	Why still there is no proposal submitted by Arunachal Pradesh, Andaman & Nicobar, Goa, Lakshadweep, Mizoram, and Nagaland & Sikkim State/UT for setting up CBWTF?	Not Applicable
7	Why Barcode system is not implemented in Andaman Nicobar, Arunachal Pradesh, Assam, J&K, Lakshadweep, Mizoram, Orissa, Puducherry, Sikkim, Uttar Pradesh, West Bengal, Chandigarh, Delhi, Jharkhand, Madhya Pradesh, Maharashtra, Rajasthan and Tamil Nadu, so far even when the deadline is over as per BMWM Rules, 2016?	Amongst 30 CTFs 17 CTFs have started Barcode system, others are in process and being followed up
8	Whether State / UT has constituted State Advisory Committee so as to review the implementation status?	Yes vide G.R. No. संकिर्ण-२०१७ / प्र. क्र. ४४/आरोग्य-३ Dtd.13/04/2017.
9	What steps have been taken by Advisory Committee so as ensure implementation of BMWM Rules, 2016?	1. Decided to request IIT Bombay to conduct BMW Gap Assessment study in Maharashtra 2. Decided to invite proposal for Third party performance audit of CBMWTF through NEERI , Nagpur
10	How many HCFs other than hospitals, nursing homes etc. such as veterinary hospitals, animal houses, AYUSH hospitals have been monitored?	Monitoring Frequency is being decided.
11	What is the frequency for conducting training or capacity building programmes for State Board officials and for staff of HCFs?	1. State Board officials are provided training once a year. 2. Common Treatment Facilities conduct BMW Management annual training programme for member Health Care Facilities.
12	What is the status of installation of Continuous Online Emission Monitoring System with CBWTF and why it has not been implemented by all CBWTFs? What follow-up action has been taken by State Boards?	Continuous Online Emission Monitoring system is installed by 25 Common Treatment Facilities.
13	How OCEMS data received by State Boards is being validated?	CTFs are instructed to conduct self-validation of OCEMS

Sr.No.	Question	Remark
14	What is the status of compliance to BMWM Rules, 2016 by CBWTFs? What action has been taken against defaulting facilities?	<ol style="list-style-type: none"> 1. All CTFs have GPS enabled Vehicle Tracking. 2. Barcode implemented by 17 Common Treatment Facilities. 3. Implementation of 2s residence time is in process 4. Log book for inspection of Common Treatment Facility is designed and under trial. 5. Direction have been issued to CTF 6. Revised Environmental Compensation Charges notification is under consideration of MPCB.
15	What is the frequency of monitoring of Healthcare Facilities for verification of compliance to BMWM Rules?	<p>MPCB has Risk Based Randomized inspection scheduler in compliance with Ease of Doing Business. Visit frequency</p> <ul style="list-style-type: none"> -HCEs Having beds >200- Every three months. -HCEs having beds 50 to 199-Once in six months

The Hon'ble Chief Secretary took the review with respect to the compliance of Hon'ble NGT directions on 05-02-2019, 16-04-2019, 11-06-2019, 30-08-2019, 19-09-2019, 9-10-2019 and 31-10-2019.

3. Compliance to Construction and Demolition Waste Management Rules, 2016

- The Annual Report of C & D Waste for year 2018-19

ULB's	Total Qty of C & D waste Generated during whole year in MT	Total Qty of C & D waste processed/ recycled in MT	Total Qty of C & D Waste Disposed by landfilling without processing (last option) or filling low lying area	Number of storage facilities for C & D waste storage	Municipal magistrates appointed for taking penal action for noncompliance with these rules
Municipal Corporation	1641937.97	26802	1416143.4	119	11
"A" Class Municipal council	4627.75	511	4791.00	6	0
"B" Class Municipal council	5895.40	76.23	4623.99	26	11
"C" Class Municipal council	3596.70	10.12	1857.35	38	17
Nagar panchayats	2806.43	2.595	595.39	17	10
Total	1658864.25	27401.945	1428011.13	206	49

- In the state of Maharashtra the mostly C & D Waste is generated from Mumbai, Pune, Thane City due to the Redevelopment Projects.
- Below table showing operational and proposed plants for processing of Construction and Demolition waste.

Sr.No.	Name of Corporation	Plant capacity (TPD)	Present Status
1	Thane Municipal Corporation	600	In operation.
2	Municipal Corporation of Grater Mumbai	1200	E-Tendered. Proposed plant.
3	Pimpri-Chinchwad Municipal Corporation	200	Work order issued. Proposed plant.
4	Pune Municipal Corporation	200	Proposed plant.
5	Aurangabad Municipal Corporation	100	Proposed plant.

- Recently M/s. Metro Waste Handling Pvt. Ltd. Thane has applied for obtaining authorization under the provisions of the Construction and Demolition Waste Management Rules, 2016, to set up and operate construction and demolition waste processing facility of capacity 300 TPD at S. No. 13 & 18, Moje, Diaghar, Thane for the waste generated in the jurisdiction of Thane Municipal Corporation.
- MPC Board has issued letter to all corporations & councils to comply with the provisions of new 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.
- MPCB has issued Directions to all Corporation for implementation of C & D waste rule on dtd. 12/03/2018.
- MPCB has issued Directions under Section 5 of EP Act 1986 read with C & D Waste Management Rules 2016 to all Municipal Corporations on 07/03/2019.
- The Annual Report of C & D Waste Management Rules 2016 for year 2018-19 is submitted to CPCB.

4. Compliance to Hazardous Waste and Transboundary Movement Rules, 2016

Directions of Hon'ble Tribunal in O.A. No. 804/2017

- i. Vide orders dated 12.04.2019 Hon'ble NGT directed that "Having regard to the sensitiveness of the issue and impact noncompliance on environment and public health, the above recommendations need to be fully implemented and monitored by the Chief Secretaries at State Level.

Action Plan along with timeline for implementation of orders of Tribunal	Current Status of implementation	Gaps identified for implementing the directions of Hon'ble Tribunal	Details or state level committee constituted for the purpose of compliance of HOWM Rules, 2016
<p>Other waste is presently missing from all the regulatory actions, including inventory. It is necessary to bring such waste in regulatory domain, as envisaged in the rules.</p> <p>(SPCBs/ PCCs inventory of 2018-19 onwards)</p>	<ul style="list-style-type: none"> ▪ Board has prepared Annual Inventory for the year 2018-19 which is submitted to CPCB wherein the other waste quantity is included. ▪ Now Board has started the inclusion of the other waste in consent management. 	---	<p>The State Level Empowered Monitoring Committee under Principal secretary, Environment department GoM is constituted vide GR dated 23rd September 2019.</p>

Action Plan along with timeline for implementation of orders of Tribunal	Current Status of implementation	Gaps identified for implementing the directions of Hon'ble Tribunal	Details or state level committee constituted for the purpose of compliance of HOWM Rules, 2016
<p>SPCBs/PCCs need to take steps to ensure closing of the manifests received and reconcile the handling data. This work is humungous and need support in terms of software and online submissions.</p>	<ul style="list-style-type: none"> ▪ MPCB has developed online portal for submission of Annual Returns in form No. 4. ▪ Industries are submitting their annual returns on the online portal. ▪ MPC Board has developed online manifest system. Industries are submitting manifest online and reconciliation is done online. 	---	
<p>The pre-processing and recycling/utilisation facilities need to be treated as critical environmental infrastructure facilities for sound environmental management of hazardous waste so as to ensure enhanced level and frequency of enforcement and environmental monitoring. Elaborate protocols are needed to be developed.</p> <p>(SPCBs/ PCCs: continuous activity).</p>	<ul style="list-style-type: none"> ▪ Board has formed Authorization Committee for Environmental Sound Management of Hazardous & Other Wastes under the chairmanship Shri N. K. Garg (Ex. MD Rare Earth) and members – Dr. B.R Naidu (Ex. Regional Director, West Zone, CPCB), Shri B.K. Sharma, Regional Director, CPCB, Pune etc. ▪ Board has regularly visited and monitored the recycling/utilisation facilities. 		

Action Plan along with timeline for implementation of orders of Tribunal	Current Status of implementation	Gaps identified for implementing the directions of Hon'ble Tribunal	Details or state level committee constituted for the purpose of compliance of HOWM Rules, 2016
<p>According to Rules, the identification and quantification of the hazardous waste generation is to be done at the authorisation stage itself and therefore, it is necessary that SPCBs shall adopt the scientific principles as enumerated for such identification and quantification of HW. (SPCB/ PCCs: Immediate)</p>	<ul style="list-style-type: none"> ▪ Board has assigned the work to expert agency to carry out sector specific identification and quantification HW generation. 		
<p>Uniform format for visits and inspections of HW handling facilities is necessary to ensure comprehensive inspections as per the provisions of the Rules. A format is proposed by the Committee.</p>	<ul style="list-style-type: none"> ▪ The uniform format for visit and inspection of the hazardous waste handling facilities is being implemented. ▪ Board has prepared online system for visit and inspection of the hazardous waste handling facilities. 		

Action Plan along with timeline for implementation of orders of Tribunal	Current Status of implementation	Gaps identified for implementing the directions of Hon'ble Tribunal	Details or state level committee constituted for the purpose of compliance of HOWM Rules, 2016
<p>The authorisation document should clearly stipulate respective mode of management (such as common or captive incineration/secured landfilling or pre-processing or recycling or utilization or export or captive storage, as applicable) for each category of HW being generated. (SPCB/ PCCs: immediate)</p>	<ul style="list-style-type: none"> ▪ Maharashtra Pollution Control Board is granting combined Consent and Authorization. And started mentioning clearly stipulated disposal path as landfill/incineration at CHWTSDF/Authorized recycler. 		
<p>Standard guidelines and protocol based on scientific fundamentals for preparation of inventory should be prepared by CPCB and strictly followed by the SPCBs/PCCs to ensure reliable and credible inventory. (SPCBs/ PCCs and CPCB/ : inventory of 2018-19 onwards)</p>	<ul style="list-style-type: none"> ▪ Guidelines and protocol for preparation of Inventory for the year 2018-19 is followed. And the Annual Report for the year 2018-19 is submitted to CPCB in prescribed format. 		
<p>SPCBs/PCCs shall verify and scientifically validate the HW data and facilities before grant or renewal of authorisation. (SPCBs/ PCCs : inventory of 2018-19 onwards)</p>	<ul style="list-style-type: none"> ▪ While granting / renewing the authorisations validation of the HW data is verified. 		

Action Plan along with timeline for implementation of orders of Tribunal	Current Status of implementation	Gaps identified for implementing the directions of Hon'ble Tribunal	Details or state level committee constituted for the purpose of compliance of HOWM Rules, 2016
<p>There is an emergent need to develop sectoral process based reasonable HW generation range to have uniformity in assessing the HW generation from industries and benchmarking the same with its peers, rather than solely depending on industry data.(SPCBs/ PCCs: continuous activity)</p>	<ul style="list-style-type: none"> ▪ Board has initiated the process to develop sectoral based HW generation. ▪ Board has assigned the work to expert agency to carry out sector specific identification and quantification HW generation. 		
<p>All occupiers who have authorisations shall submit the Annual report and in case of non-compliance, action needs to be taken by SPCB/PCC. (SPCBs/ PCCs: inventory of 2018-19 onwards)</p>	<ul style="list-style-type: none"> ▪ MPC Board is issuing notices from time to time to the non-complying industries especially for submission of Annual Reports. Board has issued directions to 100 industries. 		
<p>The timelines for inventory preparation as envisaged in Rules be strictly complied with by SPCBs/ PCCs. Preparation of country's inventory by CPCB is dependent on such timely submission by SPCBs/PCCS. (SPCBs/ PCCs and CPCB)</p>	<p>MPC Board has submitted annual report and inventory on 30th September 2019 within stipulated times.</p>		

Action Plan along with timeline for implementation of orders of Tribunal	Current Status of implementation	Gaps identified for implementing the directions of Hon'ble Tribunal	Details or state level committee constituted for the purpose of compliance of HOWM Rules, 2016
<p>SPCBs/PCCs shall invoke the powers conferred under clause 23 (1) and (2) of the Rules, related to all damages caused to the environment or third party due to improper handling and management of the hazardous and other wastes, and non-compliance respectively. CPCB has already issued guidelines for Liability assessment, for invoking clause 23 (1) and (2) of HW Rules. CPCB shall also take consequential actions under clause 23 (1) as per the said guidelines wherever directions under section 5 of the E(P) Act have been issued by CPCB, noticing environmental damages. (SPCBs/ PCCs and CPCB: Immediate).</p>	<ul style="list-style-type: none"> ▪ CPCB guidelines is being followed. ▪ Hazardous Waste incidence Response team at each Regional Office level have been constituted. ▪ Technical committee has been formed for implementing the Liabilities for Environment damages under the chairmanship of Joint director WPC, and other members-Dr B Sengupta (Ex MS CPCB), Dr Garg (Ex MD Rare Earth), Dr B.R Naidu (Regional director West zone CPCB), etc. 		
<p>The habitual and serious defaulters shall be prosecuted under provisions of the Environment (Protection) Act, 1986. Other alternative regulatory actions including refusal and revocation of Authorisation can also be explored following the due process. (SPCBs/ PCCs: Immediate)</p>	<ul style="list-style-type: none"> ▪ MPC Board has taken immediate actions against the habitual defaulters and also revoked or refused the authorization. 		
<p>Non-compliance to be documented while processing authorisation for renewal or inspections in order to invoke powers of refusal</p>	<ul style="list-style-type: none"> ▪ MPC Board has taken immediate actions against the non-compliances observed. 		

Action Plan along with timeline for implementation of orders of Tribunal	Current Status of implementation	Gaps identified for implementing the directions of Hon'ble Tribunal	Details or state level committee constituted for the purpose of compliance of HOWM Rules, 2016
or revocation of Authorisation as per Rules.(SPCBs/ PCCs: Immediate)			
Urgent updation of concerned websites of SPCBs/ PCCs/CPCB with respect to all enforcement actions along with details of industries and action taken. (SPCBs/ PCCs/ CPCB: Immediate)	<ul style="list-style-type: none"> ▪ Enforcement actions along with details of industries and action taken is being updated on Board's website. 		
There is need to have an enforcement framework for effective enforcement of Rules based on principle of proportionality and also, precautionary principle. Such framework will remove ambiguity in regulatory actions and bring transparency, predictability and consistency in enforcement for actions. (SPCBs/ PCCs/ CPCB: within 06 months)	<ul style="list-style-type: none"> ▪ MPC Board has prepared the enforcement policy in order to have a uniform actions against the similar type of defaulters. 		

Action Plan along with timeline for implementation of orders of Tribunal	Current Status of implementation	Gaps identified for implementing the directions of Hon'ble Tribunal	Details or state level committee constituted for the purpose of compliance of HOWM Rules, 2016
<p>The inventory data needs to be verified and validated before accepting the same. The states shall adopt the proposed guidelines immediately while preparation of HW inventory. (SPCBs/ PCCs: Immediate)</p>	<p>MPC Board has prepared the inventory for the year 2018-19 as per the guidelines issued by CPCB and same has been submitted to CPCB.</p>		
<p>There is emergent need of consistent approach in recycle and utilisation of HW in terms waste management hierarchy mandated in the rules across all the States in order to ensure the level playing field for the industry. This can be achieved by advocacy programme such as concept of waste exchange banks, know your waste programme, circular economy, documentation of the success stories along with regulatory interventions wherever required. (SPCBs/ PCCs).</p>	<ul style="list-style-type: none"> ▪ Advocacy program was arranged in the month of April 2019 for the recyclers and utilisers of the HW. ▪ For subsequent planned workshops calendar is under preparation 		

Action Plan along with timeline for implementation of orders of Tribunal	Current Status of implementation	Gaps identified for implementing the directions of Hon'ble Tribunal	Details or state level committee constituted for the purpose of compliance of HOWM Rules, 2016
<p>It is also necessary to develop certain benchmarks / guidelines for the possibilities of HW recycle/utilisation on case to case basis. For example, for co-processing at Cement plants the Thermal Substitution Ratio (TSR) can be an objective criterion to decide the potential to use HW for utilisation purpose. The range of TSR at different cement plants can be collated to develop a database for sound co-processing practices. (SPCBs/ PCCs)</p>	<p>MPC Board has granted combined consent / authorisation for pre-processing of Hazardous Wastes at CHWTSD Facilities. Board has granted permission to Cement industries for co-processing of pre-processed HW from CHWTSDFs. Board is under consideration to grant authorisation to HW generating industries for disposal of HW at co-processing units.</p>		
<p>There is need to immediately prepare guidelines for high volume low impact waste like slags from pyro metallurgical operations, fly ash, red mud, Jarosite, mine tailings and ore beneficiation rejects.</p>	<p>MPC Board is granting authorisation for secured landfilling of pyro metallurgical operations in stone quarries with certain terms and conditions. The possibilities can be explored for fly ash, red mud, Jarosite, mine tailings and ore beneficiation rejects on similar line.</p>		

Action Plan along with timeline for implementation of orders of Tribunal	Current Status of implementation	Gaps identified for implementing the directions of Hon'ble Tribunal	Details or state level committee constituted for the purpose of compliance of HOWM Rules, 2016
<p>The concept of environmental benchmarking among the similar industries generating HW can be useful to ensure consistency and uniformity. The emerging trend of circular economy would be a key intervention for rationalising the HW generation and reuse / utilisation (SPCBs/PCCs: continuous activity)</p>	<p>Work will be started.</p>		

Action Plan along with timeline for implementation of orders of Tribunal	Current Status of implementation	Gaps identified for implementing the directions of Hon'ble Tribunal	Details or state level committee constituted for the purpose of compliance of HOWM Rules, 2016
<p>1. The practice of returning the HW consignment needs to be immediately stopped and the consignment needs to be stored within the TSDf with information to the waste generator and also the concerned SPCB. The TSDf shall take appropriate measures to dispose this waste at the risk and cost of the waste generator under due information to the SPCB immediately on priority. Though the present guidelines prescribed that the waste shall be sent back to the waste generators, this practice needs to be immediately discontinued in view of non-accounting of the waste once it is out of manifest protocol and the associated environmental risks. (SPCBs/ PCCs/TSDFs: immediate)</p>	<ul style="list-style-type: none"> ▪ MPC Board has issued letter to CHWTSDFs for the compliance of the same. Accordingly the CHWTSDFs are disposing the received wastes at facilities and not returning the wastes. 		

Action Plan along with timeline for implementation of orders of Tribunal	Current Status of implementation	Gaps identified for implementing the directions of Hon'ble Tribunal	Details or state level committee constituted for the purpose of compliance of HOWM Rules, 2016
<p>SPCBs/PCCs shall conduct environmental audit including the site selection criteria, design and layout for the TSDFs in next one year. They can engage expert institutes for the purpose and seek CPCB's technical advice on the ToR of the study, if required. (SPCBs/PCCs: 01 year)</p>	<ul style="list-style-type: none"> ▪ In the State of Maharashtra there are 4 CHWTSD Facilities in operation. ▪ Performance evaluation of 2 existing CHWTSD Facilities has been carried out through NEERI. ▪ Performance evaluation of the remaining facilities will be carried out shortly. 		
<p>All the Common SLF shall disclose the mandatory amount deposited in Escrow Account annually to SPCB/PCC, CPCB and display on their website. SPCB/PCC to take action in case of non-compliance. (SPCBs/PCCs: immediate)</p>	<ul style="list-style-type: none"> ▪ All 4 CHWTSD have opened ESCROW account and deposited the amount. 		

Action Plan along with timeline for implementation of orders of Tribunal	Current Status of implementation	Gaps identified for implementing the directions of Hon'ble Tribunal	Details or state level committee constituted for the purpose of compliance of HOWM Rules, 2016
<p>It is necessary that the Hon'ble NGT orders dated 30/07/2018 with regard to setting up of TSDF and taking imitate actions against erring units be strictly complied with by the concerned State/ UT Government and SPCBs/PCCs.(State/ UT Governments and SPCBs/ PCCs: immediate)</p>	<p>Not Applicable.</p>		
<p>Concerned SPCBs/PCCs shall identify the responsible person/industry, for each of these contaminated sites for suitable application for polluter pays principle for the remediation programme in line with the CPCB guidelines 'Implementing Liabilities for Environmental Damages & Disposal of Hazardous Waste and Penalty'. (SPCBs/PCCs: Immediate and continuous activity)</p>	<p>Out of 126 contaminated sites identified in India, two identified sites in Maharashtra State are Godavari Bio-refineries and Mithi River. Directions under Section 5 of the E (P) Act, 1986 are issued to Godavari Bio-refineries and MCGM on 10/10/2019 to clear the contaminated material within six months and start the remediation work.</p>		

Action Plan along with timeline for implementation of orders of Tribunal	Current Status of implementation	Gaps identified for implementing the directions of Hon'ble Tribunal	Details or state level committee constituted for the purpose of compliance of HOWM Rules, 2016
<p>Both SPCBs and CPCB shall continue the process of identification of probable contaminated sites and subject them to identification criteria and decide their status as well as scope and extent of such contamination. This process is a dynamic and need to be a regular feature of enforcement. (SPCBs/PCCs and CPCB: continuous activity.)</p>	<p>Out of 195 probable contaminated sites in India, following three sites in Maharashtra are identified as probable contaminated sites:</p> <ol style="list-style-type: none"> 1. Tarapur Industrial area 2. Deonar, Mumbai 3. MIDC, Nashik <p>Proposal for assessment of the above 3 contaminated sites has been called from NEERI and IIT.</p>		
<p>In case of the contaminated sites where the polluter is not identified, the State/ UT Government would be required to finance remediation of such sites to safeguard the people living in contaminated areas from adverse health effects, in terms of their constitutional responsibility to protect and improve the environment. (States/ UTs Government and SPCBs/ PCCs)</p>	<ul style="list-style-type: none"> ▪ Technical committee has been formed for implementing the Liabilities for Environment damages under the chairmanship of Joint director WPC, and other members-Dr B Sengupta (Ex MS CPCB), Shri N. K. Garg (Ex MD Rare Earth), Dr B.R Naidu (Ex. Regional director West zone CPCB), etc. 		

Action Plan along with timeline for implementation of orders of Tribunal	Current Status of implementation	Gaps identified for implementing the directions of Hon'ble Tribunal	Details or state level committee constituted for the purpose of compliance of HOWM Rules, 2016
<p>The committee notes that HW resulting from enforcement of other regulations like E-waste, SW rules etc. are presently not accounted in the HW management plans under HW rules. Committee finds a need to consider impact of other regulations while planning HW management including preparation of inventory and assessing the impacts</p> <p>a. As per E-waste regulation, in case of fluorescent and other mercury containing lamp where recyclers are not available, such waste is channelized to common TSDF for disposal after pre-treatment/immobilization of mercury. Such waste should also be accounted into HW inventorization.</p> <p>b. In case of solid waste rules, there is a separate category of domestic HW which is expected to be disposed in the Common Hazardous facility, however, there is no data or information available on the quantity and quality of such domestic HW available so far. SPCBs/PCCs and CPCB need to take cognizance of these aspects while enforcing the relevant rules and also, preparation of HW inventory and other interventions. (SPCBs/ PCCs and CPCB)</p>	<p>a) Quantity of CFL received at TSDF during the financial year 2018-19 -5.452 MT</p> <p>b) As per the annual report submitted by the ULBs the domestic hazardous waste received at deposition centres of the ULBs is 851MT in the financial year 2018-19.</p>		

Action Plan along with timeline for implementation of orders of Tribunal	Current Status of implementation	Gaps identified for implementing the directions of Hon'ble Tribunal	Details or state level committee constituted for the purpose of compliance of HOWM Rules, 2016
<p>Each of the SPCBs/PCCs/Custom/TSDf, as listed in report, need to have at least one laboratory where all HW parameters as required under the Rules can be analysed. (SPCBs/ PCCs/ Custom/ TSDf: 06 months)</p>	<ul style="list-style-type: none"> ▪ Board has MoEFCC approved laboratories for analysis of Hazardous waste parameters. 		
<p>SPCBs/PCCs and CPCB needs capacity building in terms of qualified and experienced manpower and also, tools and techniques for effective governance. Committee is informed about steps being taken by SPCBs and would review the same in detail. (MoEFCC, State/ UT Government, CPCB and SPCBs / PCCs: Immediate)</p>	<ul style="list-style-type: none"> ▪ Board has regularly organized training programmes in collaboration with different organisations. ▪ Board has submitted the revised proposal of staff pattern to State government for sanction which is awaited 		

- ii. **NGT orders dated 26.08.2019 Hon'ble NGT directed that The Chief Secretaries of the States/UTs may be directed to submit biannually compliance report to CPCB by collecting information from the State Government/ Departments like Labour/ Industries/ Environment and SPCBs/PCCs."**
- iii. **Vide orders dated 26/08/2019 Hon'ble NGT directed that "The committee recommends Hon'ble CS of the States to ensure effective and urgent implementation of the provisions of the rules as stipulated under Rule 5(2) of HOWM Rules 2016 by Dept. of Labour.**

Department of Labour in the State or any other government agency authorised in this regard by the State Government shall, - (a) ensure recognition and registration of workers involved in recycling, pre-processing and other utilisation activities; (b) assist formation of groups of such workers to facilitate setting up such facilities; (c) undertake industrial skill development activities for the workers involved in recycling, pre-processing and other utilisation; (d) undertake annual monitoring and to ensure safety and health of workers involved in recycling, pre-processing and other utilisation.

The Principal Secretary, Labour conducted the meeting on 05-11-2019 with the concerns and directions were given to all officers to start the recognition and the registration of the workers involved in recycling, re-processing and other utilization activities. There are 4 Common Hazardous Waste Treatment and Disposal Facilities already established in the industrial cluster (MIDC).MIDC has also allotted one plot for pre-processing of Hazardous waste.

The Hon'ble Chief Secretary took the review with respect to the compliance of Hon'ble NGT directions on 05-02-2019, 16-04-2019, 11-06-2019, 30-08-2019, 19-09-2019, 9-10-2019 and 31-10-2019.

NGT order dtd. 26/08/2019 in the matter of 804/2017- Rajiv Narayan & Anr. Versus Union of India & Ors. Regarding Hazardous Waste (HW) Management

- The monitoring committee was appointed by CPCB, submitted report on 23/07/2019 dealing with various issues such as contaminated sites, Import and export of HW, Waste reception facility for wastes generated from ships and issues and Impact of HW on worker's health.
- Out of 126 contaminated sites identified in India, two identified sites in Maharashtra State are Godavari Bio-refineries and Mithi River. Directions under Section 5 of the E (P) Act, 1986 are issued to Godavari Bio-refineries and MCGM on 10/10/2019 to clear the contaminated material within six months and start the remediation work.

Out of 195 probable contaminated sites in India, following three sites in Maharashtra are identified as probable contaminated sites:

1. Tarapur Industrial area
2. Deonar, Mumbai

3. MIDC, Nashik

Proposal for assessment of the above 3 contaminated sites has been called from NEERI and IIT

- All the Chief Secretaries of the States/UTs may be directed to submit biannually compliance report to CPCB by collecting information from the State Government/ Departments like Labour/ Industries/ Environment and SPCBs/PCCs.
- MPCB has issued letters to departments like Labour/Industries/Customs and MIDC/JNPT/MCGM regarding compliance of the NGT orders. Accordingly Labour department and JNPT have submitted the reply as follows.
- Labour department has called a meeting in this regard with concerns on 5/11/2019.
- JNPT has submitted the action taken report in compliance of the orders which is enclosed herewith.

The Hon'ble Chief Secretary took the review with respect to the compliance of Hon'ble NGT directions on 05-02-2019, 16-04-2019, 11-06-2019, 30-08-2019, 19-09-2019, 9-10-2019 and 31-10-2019.

5. Compliance to E-waste Management Rules, 2016

Sr. No	Challenges/ Activities	Stakeholder responsible for implementation	Action	Timeline	Line of Action Proposed	Status of Action Plan
a.	Inventorization of e-waste generation	SPCBs/PCCs	SPCBs /PCCs to complete this activity within one year.	1 year	MEITY should develop a standard protocol on inventory. Till then SPCBs who have started the inventorization process shall continue with the existing approach.	E-waste inventory for the Maharashtra State is already prepared.
b.	Identification of Producers who have not obtained, EPR Authorization	CPCB, Custom department, Ministry of commerce and Ministry of electronics telecommunication	This is a continuous activity for which support of SPCBs/ PCCs/Custom department/ Ministry of commerce, Ministry of electronics and telecommunication is required.	continuous	1. Advertisement in newspapers - SPCBs/PCCs	Advertisement given on 21/08/2019 in the daily newspapers.
					2. SPCBs to do market survey for identification of brands available in the markets of the concerned State, compile and communicate to CPCB.	Directed all ROs to conduct the market survey. Accordingly the market survey has been started and report will be uploaded on CPCBs online portal.
					3. SPCBs/PCCs to consult State GST Council for identification of producer.	The information regarding the producers dealing in electronic/electrical equipment sought from the State GST department. A list of the producers is provided by the GST Dept. The list is also communicated to CPCB.

Sr. No	Challenges/ Activities	Stakeholder responsible for implementation	Action	Timeline	Line of Action Proposed	Status of Action Plan
c.	Verification of quantity of e-waste collected by producers	CPCB/SPCBs/PCCs	This is a continuous activity. All the EPR Authorized Producers will be verified per year.	per year	<p>Verification at the producer level and cross verification at dismantler and recycler level. CPCB drafted methodology proposing that dismantlers/recyclers shall maintain producer wise record of E-waste collected and dismantled/recycled.</p> <p>Obtain quarterly returns from D/R for quantity of E waste dismantled and recycled producer wise as they issue certificate for dismantled and recycled E waste to the producer.</p>	<p>1. CPCB approved EPR plans have been hosted on the MPCB website.</p> <p>2. Directions have been given to all ROs for the verification of the EPR plans of the producers as per the guidelines given by CPCB.</p> <p>The summary of verification reports communicated to CPCB for the verified producers. CPCB has developed portal for online submission of the verification reports. Accordingly work has been started for online submission of inspection/verification reports.</p> <p>Directions have been given to all regional officers to obtain the quarterly returns.</p>
d.	Verification of systems provided by producers for collection	CPCB/SPCBs/PCCs	This is a continuous activity. All the EPR Authorized Producers will be verified per year.	per year	Detailed checklist provided.	The verification reports of the verified producers have been submitted to CPCB. The observations, comments and constraints have been communicated to CPCB via email and letter dated 17/06/2019.

Sr. No	Challenges/ Activities	Stakeholder responsible for implementation	Action	Timeline	Line of Action Proposed	Status of Action Plan
	and provided by producer channelization of e-waste					
e.	Verification of facilities of dismantlers and recyclers for their infrastructure and records	SPCBs/PCCs/CP	This is a continuous activity. All the dismantlers/recyclers will be verified per year.	per year	SPCB to verify the facilities of the dismantlers for their infrastructure and records as per CPCBs guidelines	Verified all facilities for adequacy as per the guidelines and action taken report is submitted to CPCB that One Dismantler-M/s. Clean tech had been issued closure direction on 10/04/2019.
					SPCB to verify the facilities of the recyclers for their infrastructure and records as per CPCBs guidelines	Verified all facilities for adequacy as per the guidelines and action taken report is submitted to CPCB on 10/04/2019.
f.	Checking of informal trading, dismantling, and recycling of waste	SPCBs/PCCs/ District Administration	SPCBs/PCCs in coordination with District Administration has to carry out quarterly drive for checking of this activity.	quarterly		Meetings are being conducted at regional office level.
g.	Capacity building at district/State/CPCB level	SPCBs/PCCs/ District Administration/CPCB	Special workshops to educate functionaries in government / NGOs be run over one year.	1 year		2 workshops have been conducted in the month of August 2019. For subsequent planned workshops calendar is under preparation.

Sr. No	Challenges/ Activities	Stakeholder responsible for implementation	Action	Timeline	Line of Action Proposed	Status of Action Plan
h.	Strengthen system of enforcement	SPCBs/PCCs/ District Administration/ CPCB	Quarterly review of violations and enforcement actions at city/district/state level and quarterly	quarterly	SPCB to submit their action taken report against non-complying dismantlers /recyclers	The action taken report is submitted to CPCB via email dated 10/04/2019

The details of the EEE producers, E-waste dismantlers, recyclers in the State of Maharashtra is as follows:

- Total number of EEE Producers-**261**
- Total number of E-waste dismantlers- **62**
- Dismantling Capacity allotted as per Authorization -**51185 MT/A**
- Total number of E-waste recyclers-**11**
- Recycling Capacity allotted as per Authorization-**12694 MT/A**
- In compliance of the Rule 18 of E-waste Management rules 2016-MPCB has submitted CPCB the Annual report for 2018-19 with regard to the implementation of the said rules on 30th September 2019.

The Hon'ble Chief Secretary took the review with respect to the compliance of Hon'ble NGT directions on 05-02-2019, 16-04-2019, 11-06-2019, 30-08-2019, 19-09-2019, 9-10-2019 and 31-10-2019.

6. 351 Polluter Stretches in the country

The Hon'ble NGT Principal Bench issued order on 20th September, 2018 in Original Application No. 673/2018 mentioning report of CPCB “**More River Stretches are now critically polluted: CPCB**”. The report comprises 351 polluted river stretches in India out of that 53 polluted river stretches are in Maharashtra.

- Maharashtra has 9 polluted stretches in priority I and 6 polluted river stretches in priority II. CPCB has considered BOD as a major driving parameter to decide the river polluted stretches.

Priority wise Polluted River Stretches as per CPCB Report September 2018

Priority I (9)	Priority II (6)	Priority III (14)	Priority IV (10)	Priority V (14)
BOD >30mg/l	BOD (20-30mg/l)	BOD (10-20mg/l)	BOD (06-10mg/l)	BOD (03-06mg/l)
Godavari	Bhima	Ghod	Bindusar	Amba
Kalu	Indrayani	Kanhan	Bori	Bhatsa
Kundalika	Mula-Mutha	Kolar	Chandrabhaga	Gomai
Mithi	Pawana	Krishna	Darna	Kan
Morna	Wainganga	Mor	Girna	Manjra
Mula	Wardha	Patalganga	Hiwara	Panchganga
Mutha		Pedhi	Koyna	Panzara
Nira		Penganga	Pelhar	Rangavali
Vel		Purna	Sina	Savitri
		Tapi	Titur	Surya
		Urmodi		Tansa
		Venna		Ulhas
		Waghur		Vaitarna
		Wena		Vashisti

The Board issued directions to 15 Municipal Corporations, 29 Municipal Councils and one Cantonment Board to provide adequate sewage treatment plant and to achieve the consented standards prescribed by MoEFCC, Gol. The Board has also directed the above mentioned local bodies to implement short term and long term measures for treatment of sewage and restrict the discharge of untreated/partially treated sewage to the rivers.

After reviewing the water quality data of the designated locations in the rivers of Maharashtra for the period (Jan-Dec) 2018, it is found that the water quality of the rivers in Maharashtra has improved.

The revised list of polluted river stretches as per the data of calendar year 2018:

Status Of Polluted River Stretches In Maharashtra as per the data of calendar year 2018						
Priority	I	II	III	IV	V	NA
Earlier Status	9	6	14	10	14	0
Present Status	4	4	8	15	19	3

Priority I (4)	Priority II (4)	Priority III (8)	Priority IV (15)	Priority V (19)	Non-Polluted River Stretches (03)
Godavari	Kalu	Mula	Nira	Ghod	Urmodi
Mithi	Kundalika	Indrayani	Vel	Mor	Vashisti
Morna	Mutha	Mula-Mutha	Kolar (Mah)	Venna	Panchganga
Wainganga	Bhima	Pawana	Krishna	Waghur	
		Wardha	Patalganga	Wena	
		Kanhan	Penganga	Bindusar	
		Pedhi	Tapi	Bori	
		Purna	Darna	Chandrabhaga	
			Girna	Hiwara	
			Sina	Koyna	
			Titur	Pehlar	
			Gomai	Amba	
			Kan	Bhatsa	
			Panzara	Manjeera	
			Rangavali	Savitri	
				Surya	

				Tansa	
				Ulhas	
				Vaitarna	

Dry river stretches: Bori, Girna, Gomai, Hiwara, Kan, Mor, Sina, Titur, Waghur, Panzara

Now there are only 40 polluted river stretches in Maharashtra.

Environment Dept., Maharashtra Government issued G.R. vide No. NGT 2018/PC-2/TC-3 dtd.13.12.2018. regarding constitution of River Rejuvenation Committee (RRC) with reference to Hon'ble NGT order, comprising of following members-

1. Director, Environment Deptt., GoM
2. Director, Urban Development, GoM
3. Director, industries Deptt., GoM
4. Member Secretary, MPCB, Mumbai – Convener

RRC functions under supervision of Principal Secretary, Environment Dept., GoM. Committee shall prepare Action Plan includes source of pollution and its mitigation.

▪ Details of RRC meeting:

1 st RRC	14/12/2018	<ul style="list-style-type: none"> ▪ Reviewed draft action plans of polluted river stretches of Priority I rivers ▪ Decided to take to take review of local bodies
2 nd RRC	09/01/2019	<ul style="list-style-type: none"> ▪ Reviewed draft action plans of polluted river stretches of Priority II rivers ▪ Decided to add funding details of STP and its timelines
3 rd RRC	23/01/2019	<ul style="list-style-type: none"> ▪ Reviewed and finalised draft action plans of polluted river stretches of Priority I, II, III, IV and V rivers
4 th RRC	16/02/2019	<ul style="list-style-type: none"> ▪ Decided to communicate with Water Resource Department to maintain e-flow in the rivers ▪ Decided to communicate with Urban Development department to take necessary steps to provide adequate funds to urban local bodies for installation of sewage treatment & MSW processing facilities in a time bound manner
5 th RRC	25/06/2019	<ul style="list-style-type: none"> ▪ RRC reviewed and approved Action Plans for restoration of polluted river stretches in priority III, IV & V. ▪ It was decided that Director Environment will communicate with Water Resource Department and Urban Development Department regarding provision of funds in time bound manner for installation of STPs & MSWM facilities.

6 th RRC	05/11/2019	<ol style="list-style-type: none"> 1. RRC has instructed the Regional Officers, MPCB to take following actions- <ul style="list-style-type: none"> ▪ Issue prosecution notices to ULBs which have not yet proposed any STP. ▪ Issue directions to ULBs to adhere strictly to the timelines submitted earlier. ▪ Take monthly review of compliance of the action plan along with ULBs & submit the status to Head Office. ▪ Attend next RRC meeting along with representatives of non-complying ULBs. 2. Regarding follow-up of letters with Water Resource Department and Urban Development Department dtd. 16/02/2019 addressed to Principal Secretary, UDD II and Principal Secretary, WRD, it was decided that Director Environment shall take necessary follow-up with these departments.
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Action Plans of all 53 rivers verified by RRC and submitted to CPCB on 31/01/2019.

- Action Plans prepared with the goal of achieving water quality of polluted rivers to bathing standards (i.e BOD < 3 mg/L and FC < 500 MPN/100 ml)
- Action Plans prepared comprising of all the points enlisted in the Hon'ble NGT Order.

CPCB Task Team on Polluted River Stretches called MPCB to give presentation on Action Plan for Priority-I & II polluted river stretches on 12.02.2019 and suggested few additions in Action Plan.

- Accordingly, MPCB updated the Action Plans of Priority I & II rivers.
- Executive summary of action Plans for priority I & II was also communicated to CPCB

RRC has already communicated to Water Resource Department to maintain e-flow in the rivers of Maharashtra adopting good irrigation practices, protection & management of flood plain zone (FPZ), rain water harvesting, ground water charging, plantation on both sides of river, setting up of biodiversity parks on flood plains by removing encroachments.

RRC has also communicated to Urban Development department to take necessary steps to provide adequate funds to urban local bodies for installation of sewage treatment & MSW processing facilities in a time bound manner.

MPC Board has issued directions to 17 Municipal Corporations to penalize to the tune of 1paise/litre of sewage generation under 'Polluter pays principle'. MPC Board has also issued directions to 05 non-complying CETPs to penalize to the tune of 2 paise/litre for remediation & upgradation to comply with the consented standards.

Thereafter, the Hon'ble NGT issued an order on 28.08.2019 in the matter of OA No. 593/2017 Paryavaran Suraksha Samiti v Union of India and directed to levy Environmental Compensation to the defaulters. Accordingly, the Board has issued directions to 01 Mega city, 09 Million plus cities, 254 Class I cities/towns and 122 Nagar Panchayats as to why Environmental Compensation shall not be levied after the stipulated timeline.

Six meetings were held under the chairmanship of Hon'ble Chief Secretary on 05/02/2019, 16/04/2019, 11/06/2019, 30/08/2019, 19.09.2019, 09/10/2019 and 31/10/2019 and directions were given to Urban Development Department - II and Rural Development Department for taking actions as per minutes.

The implementation of Action Plans is under progress. RRC has been taking review of the concerned authorities on regular basis.

7. 122 non-attainment cities

Content	Current Status	Desirable	Gap	Time line
Action plan submission of 17 cities in Maharashtra	<ul style="list-style-type: none"> CPCB has approved Action plans of 17 cities namely Akola, Amravati, Aurangabad, Chandrapur, Jalgaon, Jalna, Kolhapur, Latur, Mumbai, Solapur, Nashik, Nagpur, Sangli, Ulhasnagar, Badlapur, Navi Mumbai & Pune. vide Letter dtd. 02/09/2019, CPCB has informed that action plans of 3 cities namely Mumbai, Nashik and Solapur need further revision and asked to resubmit the revised action plans. State level AQMC was held on 18/09/2019 to review revised action plans of Mumbai, Solapur & Nashik. Based on AQMC approval revised action plans submitted to CPCB for approval vide Board letter dtd.27/09/2019. CPCB has approved the Action plans of Mumbai, Nashik and Solapur on 9.10.2019 	<ul style="list-style-type: none"> Action plans of Non-Attainment cities should be furnished by 30.04.2019. As per recent directions of Hon'ble NGT dtd.06/08/2019, CPCB has issued direction to the concerned States for implementation/ revision of the said plans. The same ought to be finalized within two months 	NIL	NIL
Direction for additional identified Non-Attainment Cities (NACs).	<ul style="list-style-type: none"> Vide letter dtd.26/08/2019 Board has communicated Hon'ble NGT order dtd. 06/08/2019 and meeting conducted with Thane Municipal Corporation on 26/08/2019 for action plan preparation. Board has also issued direction to Thane Municipal Corporation 	The action plan need to prepare by respective States for the identified additional 20 NACs across the country within the next three months and after its approval by CPCB within two months the States must initiate time bound action	NIL	Action plan prepared and approved by State level AQMC dtd.18/09/2019. Thane city action plan submitted to CPCB for approval vide

	<p>(TMC) for submission of action plan in consultation with respective stakeholders.</p> <ul style="list-style-type: none"> Action plan prepared and approved by State level AQMC dtd.18/09/2019. Thane city action plan submitted to CPCB for approval. 	on remediation within next three months.		Board letter dtd.27/09/2019.
Constitution of Committee	<ul style="list-style-type: none"> Constitution of Steering Committee headed by Chief Secretary, GoM GR published on dtd. 18.09.2019 Air Quality Monitoring Committee (AQMC) headed by Principal Secretary, Environment, GoM constituted by GR dtd.31.12.2018 City Level Implementation Committee headed by District Collector/ Municipal Corporation Commissioner GR published on dtd. 18.09.2019 	The Action Plans prepared by the Municipal corporation as per the template given by CPCB, which was reviewed by six-member committee i.e. Air Quality Monitoring Committee (AQMC). The AQMC will function under the overall supervision and coordination of Principal Secretary, Environment Department.	NIL	NIL

8. 100 Industrial clusters

Content	Current Status	Desirable	Gap	Time line
Action Plan with regard to identification of polluted industrial clusters in O.A. No. 1038/2018, dated 13.12.2018.	<ul style="list-style-type: none"> CPCB has identified 8 industrial clusters from Maharashtra as polluted industrial clusters namely Chandrapur, Aurangabad, Dombivali, Tarapur, Navi Mumbai, Nashik, Chembur & Pimpri-chinchwad. As per directive of Hon'ble NGT, MPCB has prepared draft action plans and submitted to CPCB after approval of AQMC. 	<ul style="list-style-type: none"> Prepare Revised action plan as per CEPI as per 2016 CEPI calculation formula. Based on CEPI score, initiate actions on non-complying Industries within CEPI area (CPA's and SPA's) Conduct a study of CEPI area for Assessment of Carrying Capacity. 	Till date CPCB has not approved the revised Action plans of CEPI.	Proposal for assessment of carrying capacity has been invited from IITB & NEERI.

9. Status of STPs and reuse of treated water

The summary of STPs and reuse of treated water is as follow:

Summary of STPs and utilization of sewage in MLD	
Operational	5781
Not in Operation	276.84
Installed Capacity	6057.84
STP Capacity Utilization	4365.495
Proposed STPs /Under Construction	3879.5
Total (Installed+Proposed)	9937.34

Detailed status of sewage treatment plants and utilization of sewage is attached herewith as **Annexure 1**.

Status of STPs					
Sr. No.	Action Point	A	B	C=A-B	D
		Existing Status	Desired/ Projected	Gap	Timeline
1	Estimated Sewage Generation	7741	--	NA	
2	Treatment Capacity (Projection for 05 Years to be taken in to consideration)	6057.84	9937.3	3879.5	Sept.2028
3	Status of sewerage System (in Km)	7410.44	9492.86	2082.4	2023
4	No. of STPs (details to be provided as per Annexure-I)	137	64	--	--

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)	Y	--	--	--
6	Quantity of treated waste water being used by Bulk user (in MLD)				
	Industrial clusters	151.487	153.487		
	Metro Rail	--	17	--	--
	Indian Railways	--	--	--	--
	Infrastructure Projects	19.251	19.351	--	--
	Agriculture	42.358	90.257	--	--
	Bus Depots and PWD	--	--	--	--
7	No. of Water Aquatic Sources (Lakes, Pond, etc.) being developed through treated waste water	2	--	--	--

10. Status of CETPs/ ETPs including performance

Status of CETPs:

There are 25 functional CETPs having treatment capacity 203.35 MLD with around 7000 beneficiary industrial units attached to these CETPs, out of that one CETP is closed by MPCB and three CETPs are not complied to the disposal standards.

Status of ETPs:

There are 16597 industrial units with functional ETPs. All industrial units have provided ETPs to treat their effluent to the consented standards.

11. Ground water extraction/ contamination and recharge

With reference to Hon'ble National Green Tribunal (NGT) order dated 28.08.2019 in the matter of Original Application no 593/2017 in 'Paryavaran Surksha Samit & anr v/s Union of India', DO letters have been sent to the District Collectors.

The said order specifies the authorities for levy of environmental compensations and taking penal action are with District Collector to seal the illegal borewell /tubewell to stop extraction of water and further closure of project and levy of environmental compensation against the defaulter.

MPC Board approves the consent of industrial units extracting ground water only after the NOC from Central Ground Water Authority (CGWA) is obtained.

Hon'ble Chief Secretary had conducted a VC and directed all District Collectors to conduct the meeting at District level Committees constituted for monitoring the implementation of Action Plan for Polluted river stretches and personally look into the matter wherever land allocation issue arises as per the directions of Hon'ble NGT and Environment Dept., Maharashtra Government issued G.R. vide No. NGT 2018/PC-2/TC-3 dtd.13.12.2018

12. Air pollution including noise pollution

3. Noise Pollution-

Maharashtra Pollution Control Board (MPCB) with Coordination of NEERI carried out Noise Monitoring of 27 Corporation Cities in Maharashtra and implementation of recommendation suggested by NEERI are under process. Further, noise pollution health impact study work awarded to J J Hospital, Mumbai which is under progress.

Content	Current Status	Desirable	Gap	Time line
1. No of stations for Ambient Noise Monitoring	10	Not specified	--	--
2. No of stations in Industrial zone	01	Not specified	--	--
3. No of Stations in Commercial zone	03	--	--	--
4. No of stations in residential zone	04	--	--	--
5. No of Stations in silence zone	02	--	--	--
6. Compliance of Ambient Standards (No. of Stations) Industrial Zone Commercial Zone Residential Zone Silence Zone	Please refer annexure	1. Industrial Area Day: 75 db(A) Night: 70 db(A) 2. Commercial Area Day: 65 db(A) Night: 55 db(A) 3. Residential Area Day: 55 db(A) Night: 45 db(A) 4. Silence Zone Day: 50 db(A) Night: 40 db(A)	--	Not specified
7. Identification of Hot Spots	--	--	--	--

8. Designated Authorities defined as per Noise Rules (Y/N)	Yes	--	--	--
9. Has Methodology been prepared for granting permission for installation of public address system (Y/N)	Yes	--	--	--
10. Has methodology been prepared for redressal of complaint on noise pollution (Y/N)	Yes	--	--	--
11. No of police stations equipped with sound level meter.	All	--	--	--
12. No of police stations having officers trained as per Noise Pollution Rules by SPCBs/PCs	All	--	--	--
13. Has Protocol been developed for taking appropriate action against the defaulters?	Yes	--	--	--
14. No of cities in which Noise mapping has been done (if applicable)#	27 Corporation cities	--	--	Maharashtra Pollution Control Board (MPCB) with Coordination of NEERI carried out Noise Monitoring of 27 Corporation Cities in Maharashtra

Annexure

Noise Monitoring Results: Maharashtra (monthly avg.)

Mumbai_Ambassador_Hotel_01_01_2019 to 22_10_2019 (Commercial)			
Month (2019)	Average of 6. LAF #1 Noise Level (Min)dBA	Average of 5. LAF #1 Noise Level (Max)dBA	Average of 4. LAF #1 Noise Level (Avg.)dBA
Jan	55.71	89.85	69.97
Feb	55.85	89.91	70.02
March	55.99	89.48	69.85
April	56.29	89.18	69.85
May	55.99	89.24	69.77
June	57.22	89.63	70.33
July	58.23	89.71	70.60
August	57.39	89.09	69.73
September	60.77	90.05	74.74
October	56.17	88.43	72.97

Mumbai_ASHP_01_01_2019 to 22_10_2019 (Residential/Silence)			
Month (2019)	Average of 6. LAF #1 Noise Level (Min)dBA	Average of 5. LAF #1 Noise Level (Max)dBA	Average of 4. LAF #1 Noise Level (Avg.)dBA
Jan	32.13	37.77	37.05
Feb	31.31	38.59	36.38
March	31.15	35.20	35.56
April	29.56	31.76	33.32
May	29.57	30.92	33.02
June	28.75	30.68	48.00
July	107.8 8	110.07	68.24
August	92.64	96.80	69.09

September	50.12	64.23	42.29
October	64.96	71.58	67.74

Mumbai_Bandra_01_01_2019 to 22_10_2019 (Residential/Commercial)

Month (2019)	Average of 6. LAF #1 Noise Level (Min)dBA	Average of 5. LAF #1 Noise Level (Max)dBA	Average of 4. LAF #1 Noise Level (Avg.)dBA
Jan	55.66	91.74	61.20
Feb	55.62	84.26	59.17
March	55.84	83.79	59.45
April	55.03	75.62	58.27
May	57.80	77.29	60.39
June	53.37	77.12	57.49
July	58.16	76.28	62.30
August	67.68	82.60	71.94
September	50.49	72.34	55.70

Mumbai_Bisleri_01_01_2019 to 22_10_2019 (Residential)

Month (2019)	Average of 6. LAF #1 Noise Level (Min)dBA	Average of 5. LAF #1 Noise Level (Max)dBA	Average of 4. LAF #1 Noise Level (Avg.)dBA
Jan	61.49	79.31	66.55
Feb	61.87	79.14	66.46
March	62.52	79.68	66.93
April	64.08	82.17	69.96

May	63.72	82.74	69.74
June	59.35	77.86	64.82
July	56.28	78.97	64.62
August	60.89	80.54	67.29
September	58.53	88.64	71.99
October	60.55	92.10	78.97

Mumbai_L and T Powai_01_01_2019 to 22_10_2019 (Commercial)			
Month (2019)	Average of 6. LAF #1 Noise Level (Min)dBA	Average of 5. LAF #1 Noise Level (Max)dBA	Average of 4. LAF #1 Noise Level (Avg.)dBA
Jan	47.86	67.97	53.97
Feb	47.88	69.02	54.54
March	48.30	70.67	55.53
April	48.78	71.73	56.61
May	46.77	70.10	54.92
June	49.77	71.16	56.93
July	50.49	70.82	57.17
August	50.49	71.88	57.13
September	51.61	71.94	58.03
October	49.03	70.27	56.02

Mumbai_M And M_Kandivali_01_01_2019 to 22_10_2019 (Industrial)			
Month (2019)	Average of 6. LAF #1 Noise Level (Min)dBA	Average of 5. LAF #1 Noise Level (Max)dBA	Average of 4. LAF #1 Noise Level (Avg.)dBA
Jan	51.99	71.24	55.89
Feb	51.95	71.86	56.01
March	51.65	72.26	55.96
April	51.31	72.77	56.10
May	51.41	72.77	56.40
June	52.37	74.38	57.91

July	53.13	75.37	58.42
August	52.66	74.76	57.82
September	53.62	75.23	58.52
October	51.56	73.40	56.84

Mumbai_MPCB_Mahape_01_01_2019 to 22_10_2019 (Industrial)			
Month (2019)	Average of 6. LAF #1 Noise Level (Min)dBA	Average of 5. LAF #1 Noise Level (Max)dBA	Average of 4. LAF #1 Noise Level (Avg.)dBA
Jan	60.12	81.77	67.87
Feb	60.64	82.33	68.40
March	60.17	82.14	68.13
April	59.84	81.74	67.82
May	58.55	83.33	67.26
June	55.10	86.19	63.77
July	59.83	83.00	67.61
August	59.67	80.05	67.31
September	59.75	79.41	67.38
October	58.47	79.37	66.76
Mumbai_pepsico_Chembur_01_01_2019 to 22_10_2019 (Residential/Commercial)			

Month (2019)	Average of 6. LAF #1 Noise Level (Min)dBa	Average of 5. LAF #1 Noise Level (Max)dBa	Average of 4. LAF #1 Noise Level (Avg.)dBa
Jan	44.88	101.10	64.38
Feb	48.38	107.01	64.45
March	45.06	129.79	64.64
April	46.45	104.74	65.44
May	45.19	105.24	65.44
June	49.72	108.34	66.02
July	48.92	112.55	65.90
August	47.47	100.93	64.66
September	27.85	130.35	66.20
October	27.85	113.21	65.46

Mumbai_Thane_01_01_2019 to 22_10_2019 (Commercial)

Month (2019)	Average of 6. LAF #1 Noise Level (Min)dBa	Average of 5. LAF #1 Noise Level (Max)dBa	Average of 4. LAF #1 Noise Level (Avg.)dBa
Jan	19.56	22.66	72.05
Feb	19.48	21.07	71.32
March	19.38	20.70	70.91
April	19.18	20.23	70.14
May	19.35	20.37	69.27
June	19.08	20.32	69.78
July	19.47	21.00	68.55
August	19.90	23.54	67.38
September	19.27	20.30	69.33
October	20.70	23.26	67.41

Navi Mumbai_Vashi_01_01_2019 to 22_10_2019 (Residential/Commercial)

Month (2019)	Average of 6. LAF #1 Noise Level (Min)dBa	Average of 5. LAF #1 Noise Level (Max)dBa	Average of 4. LAF #1 Noise Level (Avg.)dBa
Jan	53.83	83.31	65.89
Feb	53.91	83.42	65.99
March	54.37	83.26	66.07
April	72.51	88.50	79.68
May	59.87	85.13	70.03
June	56.67	84.49	67.84
July	59.37	86.81	70.43
August	45.86	77.75	58.64
September	33.96	44.57	38.11
October	40.39	67.06	49.72

13. Illegal sand mining

With reference to Order dated 20/09/2018 passed by the Hon'ble National Green Tribunal, New Delhi in Original Application No.673/2018, GR No.NGT-2018/Case No.2/T.B.3 was issued by Environment Department, Government of Maharashtra. Accordingly, Special Environment Surveillance Task Force is constituted in the polluted river stretches at District level.

Members of Task Force are:

Sr.No.	Members of Task Force
1.	Representative of District Magistrate
2.	Representative of District Police Superintendent
3.	Regional Officer, Maharashtra Pollution Control Board or its representative.
4.	As a Chairman of the Law Services Authority, the representative appointed by the District Judge.

Precautions about not to excavate the sand from the polluted river stretches should be taken by the said Surveillance Task Force. The Regional Officer of the Maharashtra Pollution Control Board will be responsible for co-ordination with the Committee Members, arrange meetings and implementation of the decisions taken by the said Committee.

District Special Environment Surveillance Task Force were constituted in all the districts. These committees are looking after sand mining and related issues in their respective districts.

Hon'ble Chief Secretary had conducted a VC and directed all District Collectors to conduct the meeting at District level Committees constituted for monitoring the implementation of Action Plan for Polluted river stretches and personally look into the matter wherever land allocation issue arises as per the directions of Hon'ble NGT and Environment Dept., Maharashtra Government issued G.R. vide No. NGT 2018/PC-2/TC-3 dtd.13.12.2018

14. Rejuvenation of water bodies

In the matter MA No. 26/2019 in OA No. 325/2015 Lt. Col. Sarvadaman Singh Oberoi V/s. Union of India & Ors dtd. 10/05/2019 regarding restoration of all water bodies has directed:

All the States and Union Territories to review the existing framework of restoration of all water bodies by preparing an appropriate action plan.

Meeting has been conducted by Hon'ble CS and directed Urban Development Department –II to map the water bodies and prepare rejuvenation plans initially for urban areas.

Annexure-I

FORMAT FOR SEWAGE TREATMENT PLANTS AND UTILIZATION OF SEWAGE

Sr. No.	City/Town	No. of STP	Location of STP	Coordinates of STP	STP Commissioned in (Year)	Status (Operational / Non-Operational / Under Construction)	STP Installed Capacity (in MLD)	Actual Utilization Of Installed Capacity (in MLD)	Technology (UASB/ASP/OP/SBR/MBR/FAB etc.)	Consent Status	Compliance Status (in mg/Lit except pH)				
											pH	TSS	COD	BOD	
1	Municipal Corporation of Greater Mumbai	15	Colaba WWTF Nr Afgan Church Colaba Mumbai -05 Tel No.22150723			Operational	41	22.51							
2			LGP WWTF-IPS 89,Dr.A.B. Road Worli Mumbai 18. Tel No.24933697			Operational	757	438.92							
3			Influent Pumping Station Bandra, Opp Swami Vivekanand Garden, Mahim Causway, Mahim (West), Mumbai 400016. Tel. No. 24464750			Operational	797	573.44							
4			Versova STP J.P. Road Jn.,Link Road, Near Apnana Bazar, Andheri (W), Mumbai-53 Tel : 26366881			Operational	180	182.37							
5			Malad STP Marve Road, Mith Chawky, Malad (W), Mumbai-95 Tel : 28820860	Latitude 19.18° 30 Lonitud 07.8° 49	Apr-98	Operational	280	216.06	Preliminary treatment by screening & diffused aerated grit chambers. Dilution & dispersion through marine outfall.	MPCB Consent no. BO/JD(WPC)/CC/1805001473, Valid up to 31/12/2020.	7	18	95	90	
6			Charkop STP MHADA, Sector 8 & 9, Kandivali(W), Mumbai- 400067 Tel : 28681357	Latitude 90° 30 min N Lonitud 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	
7			Bhandup WWTF Off eastern Express Highway Near Airoli Bridge Traffic Signal Bhandup East Tel No. 8286226994			Operational	280	141.48							

Sr. No.	City/Town	No. of STP	Location of STP	Coordinates of STP	STP Commissioned in (Year)	Status (Operational / Non-Operational / Under Construction)	STP Installed Capacity (in MLD)	Actual Utilization Of Installed Capacity (in MLD)	Technology (SBR/ASP/OP/SBR/MBR/FAB etc.)	Consent Status	Compliance Status (in mg/Lit except pH)			
											pH	TSS	COD	BOD
8			Ghatkopar WWTF Off eastern Express Highway Near Pant Nagar Traffic Signal Ghatkopar East. Tel No. 9082820120			Operational	386	151.7						
9			Worli STP, MCGM, Mumbai			Proposed	500	NA						
10			Bandra STP, MCGM, Mumbai			Proposed	360	NA						
11			Dharavi STP, MCGM, Mumbai			Proposed	250	NA						
12			Versova STP, MCGM, Mumbai	Latitude 19.14° N Longitude 72.81° E	1998	Operational	180	108	Aerobic & Facultative Lagoon	MPCB Consent no BO/JD(WPC)/CC/1805001473 dtd 28.05.2018 Valid up to 31.12.2020	7.25	41	104	39
13			Bandra STP, MCGM, Mumbai	Latitude 19.05° N Longitude 72.83° E	2003	Operational	797	531	Preliminary treatment by screening & aerated grit chambers. Dilution & dispersion through marine outfall at 3.7 Km into Sea	MPCB Consent no BO/JD(WPC)/CC/1805001473 dtd 28.05.2013 Valid up to 31.12.2020	7.96	NA	NA	2.4
14			Ghatkopar STP, MCGM, Mumbai			Proposed	337	NA						
15			Malad STP, MCGM, Mumbai			Proposed	605	NA						
16			TMC STP Kopri, Thane		2012	Operational	120	70	SBR Technology	31.12.2021	7.3	11	20	6
17			TMC STP Mumbra, Thane		2015	Operational	32	12	SBR Technology	31.12.2021	6.8	29	64	18

Sr. No.	City/Town	No. of STP	Location of STP	Coordinates of STP	STP Commissioned in (Year)	Status (Operational / Non-Operational / Under Construction)	STP Installed Capacity (in MLD)	Actual Utilization Of Installed Capacity (in MLD)	Technology (UA/SB/ASP/OP/SBR/MBR/FAB etc.)	Consent Status	Compliance Status (in mg/Lit except pH)					
											pH	TSS	COD	BOD		
18	Thane Municipal Corporation	9	TMC STP Vartak Nagar		2017	Operational	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	6.6	13	24	7		
19			Vitava		2019	Non -Operational	8.4	NA	MBBR Technology	31.12.2021	NA	NA	NA	NA		
20			Kharegoan		2019	Non -Operational	46.76	NA	MBBR Technology	31.12.2021	NA	NA	NA	NA		
21			Everest World, Kolshet		2019	Non -Operational	23.06	NA	MBBR Technology	31.12.2021	NA	NA	NA	NA		
22			Lodha		2019	Non -Operational	22.02	NA	MBBR Technology	31.12.2021	NA	NA	NA	NA		
23			Nagla Bunder		2019	Non -Operational	7	NA	SBR Technology	Consent to Establish	NA	NA	NA	NA		
24			Hiranandani					Non -Operational	59	NA	Pumping Station, Inlet, Screen Channels, Grid Chamber, C-Tech basin, Sludge sump, Sludge compactors and UV channels, Outlet.	Consent to Establish	NA	NA	NA	NA
25					Bhayander (W) near Garden Court Tower	Latitude - 19.295233 & Longitude - 72.854393		Operational	8	8	MBBR	Valid upto 31/12/2018 & applied for renewal	7	31	84	18
26					Golden Nest Road, Bhayander (E) Goddev			Operational	12	12	MBBR		6.9	64	140	20
27			Kanakia, Mira Road (E)			Operational	17	17	MBBR		7	28	80	22		

Sr. No.	City/Town	No. of STP	Location of STP	Coordinates of STP	STP Commissioned in (Year)	Status (Operational / Non-Operational / Under Construction)	STP Installed Capacity (in MLD)	Actual Utilization Of Installed Capacity (in MLD)	Technology (UASB/ASP/OP/SBR/MBR/FAB etc.)	Consent Status	Compliance Status (in mg/Lit except pH)				
											pH	TSS	COD	BOD	
28	Mira- Bhaindar Municipal Corporation	17	Shanti Park - Mira road - Sanghavinagar			Operational	13	13	MBBR		7.1	25	68	12	
29			Mhada- shanti garden- Mira Penkarpadagavthan (Mhada Colony)			Operational	7	7	MBBR		STP is in under construction				
30			Shanti nagar Mira road station, Near ayappamandir,			Operational	11	11	MBBR		6.7	30	144	70	
31			Near Corporation garden, Kashmirira road, Reservation No 170			Operational	12	12	MBBR		STP is in under construction				
32			Ghodbunder- Kashigaon, Mashachhapada Bhayander, Survey No. 233			Operational	14	14	MBBR		6.9	10	56	6	
33			Jesal park			Operational	2	2	MBBR		6.8	104	488	130	
34			Shrushti complex, Mira Road			Operational	1.5	1.5	MBBR		7.3	10	20	6	
35			Bhayander West			Proposed	8	NA	MBBR		STP is in under construction				
36			Kharigaon			Proposed	13	NA	MBBR		STP is in under construction				
37			Goddeo			Proposed	12	NA	MBBR						
38			Shanti Park, Mira Road			Proposed	13	NA	MBBR						
39			Mira Penkarpada			Proposed	7	NA	MBBR						
40			Kashi Mira Road			Proposed	12	NA	MBBR						
41			Bhayander			Proposed	14	NA	MBBR						
42			Bolinge Village STP - 2,	Latitude - 19.3927 & Longitude - 72.8616	01-08-2017	Operational	30	30	MBBR	Obtained C to E	6.9	60	192	125	
43			Chikhhal dongri			Proposed	13	NA	MBBR						
44			Bolinge village			Proposed	30	NA	MBBR						

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											pH	TSS	COD	BOD	
45	Vasai-Virar Municipal Corporation	8	Nalla sopara (East)			Proposed	30.5	NA	MBBR		STP is in under construction				
46			Nalla sopara (Wast)			Proposed	49	NA	MBBR						
47			Navghar Manikpur			Proposed	7.1	NA	MBBR						
48			Navghar Manikpur			Proposed	33.85	NA	MBBR						
49			Vasai			Proposed	11.57	NA	MBBR						
50	Kalyan Dombivali Municipal Corporation	6	Adharwadi		2013	Operational	25	13	SBR	31.12.2020	7.1	14.7	28	16.4	
51			Barave		2013	Operational	15	8	SBR		7.4	13.2	52	12.3	
52			Motagaon	19013'28.38"N 7304'14.35"E	Old STP	Operational	40	2	SBR		....	...	...	....
53			Chinchpada	19013'9.818" N 7308'59.899"E	2016	Operational	40	11	SBR		7.3	12.2	37.3	20.6	
54			Manda Titwala 2 Nos.	19017'48"N 73011'56"E	2014	Operational	1.5	2	Root Zone		7.8	14.7	8.7	4	
55			Manda Titwala 1.0 MLD	19017'48"N 73011'56"E	2014	Operational	1		Root Zone		7.2	12	12	7	
56	Bhiwandi Nizampur Municipal Corporation	6	Katai-1		2015	Operational	13	13	ASP	Not Obtained	7.3	28	60	15	
57			Katai-2		1978	Non-Operational	17	-	ASP	Not Obtained	-	-	-	-	
58			Bakra Bazar- Bhiwandi		To be commissioned	Under Construction	29	NA	SBR	Not Applied	STP's are yet to be Commissioned				
59			Slaughter House- Idgah		To be commissioned	Under Construction	30	NA	SBR	Not Applied					
60			Bhadwad		Erection to be Started	Proposed	9	NA	SBR	Not Applied	Proposed Unit				
61			Stepping Garden		Erection to be Started	Proposed	31	NA	SBR	Not Applied					
62	Ambernath Municipal Council	2	Vadalgaon STP			Operational	45								
63			Chikloli			Operational	9								
64	Kulgaon Badalapur Municipal Council	1	Badlapur STP			Operational	22								
65	Ulhasnagar Municipal Corporation	3	Shanti Nagar-1		-	Under Construction	15	NA	SBR	Not Obtained	-	-	-	-	
66			Shanti Nagar-2		-	Under Construction	31.26	NA	SBR	Not Obtained	-	-	-	-	

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											pH	TSS	COD	BOD
67	Corporation		Vadhholgaon		-	Under Construction	20.72	NA	SBR	Not Obtained	-	-	-	-
68	Navi Mumbai Municipal Corporation	7	Sector-12, C.B.D. Belapur			Operational	19.0	12.0						
69			Sector-50, Nerul			Operational	100.0	45.0						
70			Sector-18, Vashi			Operational	100.0	45.0						
71			Sector-20, Sanpada			Operational	37.5	18.0						
72			Airoli, Sector- 18			Operational	80.0	80.0						
73			Koper Khairane, Sector-5			Operational	87.5	87.5						
74			Ghansoli, Sector (Operated by CIDCO)			Operational	30.0	30.0						
75	Panvel Municipal Corporation	10	Bandar Road, Panvel, Dist. Raigad.		2009	Operational	14	12	MBBR		6.92	530.8	47.11	14.78
76			Sector-16, Kharghar, Tal. Panvel, Dist. Raigad.		2008	Operational	25	23	MBBR		6.91	398.1	33.71	12
77			Sector-16, Kharghar, Tal. Panvel, Dist. Raigad.		2012	Operational	70	63	MBBR		6.89	596.3	73.78	27.89
78			Sector-32, , Kamothe, Tal. Panvel, Dist. Raigad.		2012	Operational	85	79	MBBR	Consent to operated is in process	6.72	484.8	123.2	51
79			Sector-12, Kalamboli, Tal. Panvel, Dist. Raigad.		2011	Operational	50	47	MBBR	Consent to operated is in process	6.82	497.5	79.2	30
80			Sector-06, Ulwe, Tal. Panvel, Dist. Raigad.		2018	Operational	32	26	MBBR		7.3	774	24	6
81			Kalundre, Kalundre Gaon, Panvel, Navi Mumbai		2019	Operational	2	1.7	MBBR	Consent to operated is in process				
82			CIDCO Karanjade			Proposed	28	NA	MBBR					
83			CIDCO Taloja Phase-I			Proposed	32	NA	MBBR					
84			CIDCO Pushpak Nagar			Proposed	45	NA	MBBR					
85	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			
86			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			
87			Chehedi STP	19° 56' 09" N 73° 51' 59.7" E	2006	Operational	22	311.5	UASB	31-12-2019	7.6	617	44	14.75

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											pH	TSS	COD	BOD
88	Nashik Municipal Corporation	11	Chehedi STP	19° 59' 05" N 73° 51' 29" E	2012	Operational	21		ASP		7.73	663	41	12.75
89			Panchak	19° 59' 08" N 73° 51' 25.2" E	2004	Operational	7.5		ASP		7.6	780	39.2	13.32
90			Panchak	19° 56' 09" N 73° 51' 59.7" E	2012	Operational	21		ASP		7.6	780	39.2	13.31
91			Panchak	19° 59' 10.5" N 73° 51' 26.4" E	2016	Operational	32		UASB+MBBR		7.73	699.2	30.4	10.08
92			Tapvan	19° 59' 54" N 73° 59' 3.4" E	2003	Operational	78		UASB		7.39	730	81	31
93			Tapvan	19° 59' 55" N 73° 59' 05" E	2010	Operational	52		UASB		7.29	719	55.6	22.6
94			Agar Takali	19° 59' 07" N 73° 59' 43" E	2015	Operational	70		ASP		7.48	930	46	15.9
95			Agar Takali	19° 59' 11.8" N 73° 59' 44" E	2016	Operational	40		UASB+MBBR		7.54	782	37.3	12
96			Municipal STP Gangapur	20° 01' 58" N 73° 43' 10.1" E	...	Proposed	18	NA	SBR					
97			Municipal STP Pimpalgaon, Baswant	....	...	Proposed	32	NA	SBR					
98	Trambik Municipal Council	1	Municipal Council Trambik	....	...	Operational	1	1	MBBR	31-12-2017	6.64	140	148	70
99	Shirpur Municipal Council	1	Municipal Council - Shirpur, Tq Shirpur Dist Dhule	21°21',097 N 74°54'.1566 E	2017	Operational	12.5	8.64	SBR		5.5	9.09	38.7	10.09
100	Nandurbar Municipal Council	1	Municipal Council - Nandurbar, Tq and Dist Nandurbar	21.39N 74.21E	2017	Operational	17.5	9.3	SBR		7.5	140	200	90
101	Shirdi Nagarpanchyat	1	Shirdi, Tal-- Rahata, Dist-Ahmednagar	-	2015	Operational	16	9	UASB	31.12.2017, Applied for renewal	7.4	10	15	6
102	Ahmednagar Municipal Corporation	1	Ahmednagar, Tal & Dist-Ahmednagar	-	Proposed	Proposed	57	NA	Proposed	Proposed				
103			Erandwane STP, S.No.3&4 Erandwane	PMC has not submitted	2004	Operational	50	50	Activated Sludge Process	31.12.2018	7.6	10.0	26.7	8.2

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											pH	TSS	COD	BOD
104	Pune Municipal corporation	21	Bopodi STP, S.No.2A, 2B, 2C, 2D &6 (P) Bopodi	PMC has not submitted	Jun-03	Operational	18	15	Extended Aeration Process	31.12.2018	7.50	15.0	28	14.8
105			Tanjawadi S.No.24, Shivajinagar	PMC has not submitted	Apr-14	Operational	17	13	Biotower and extended aeration process	31.12.2018	7.5	12.0	30	12.3
106			Bhairoba STP, Final plot No.330 S.No.33A, 33B Koregaon Park	PMC has not submitted	Jul-03	Operational	130	80	Activated Sludge Process	31.12.2018	7.6	34.0	30	8.20
107			Mundhawa STP, S.No.2,3A,4 Mundhawa	PMC has not submitted	Feb-09	Operational	45	42	Sequential Batch Process	31.12.2018	7.5	14	28	8.6
108			Vithalwadi STP, S.No.20(P) Hingane	PMC has not submitted	Mar-09	Operational	32	25	Modified Activated Sludge Process	31.12.2018	7.8	10.0	24	7.2
109			Old Naidu STP, S.No.439 To 444 Pune final Plot No. 98 Knndy Road	PMC has not submitted	Nov-88	Non -Operational	90	NA	Activated Sludge Process	31.12.2018	...	...	...	...
110			Baner STP, S.No.221 To 227 Baner	PMC has not submitted	Jan-11	Operational	30	30	Sequential Batch Process	31.12.2018	7.6	8.0	28	8.40
111			Kharadi STP, S.No.74, 75 Kharadi	PMC has not submitted	Feb-12	Operational	40	40	Sequential Batch Process	31.12.2018	7.6	12	28	5.7
112			New Naidu STP, S.No.439 To 444 Pune final Plot No. 98 Knndy Road	PMC has not submitted	2010	Operational	115	115	Activated Sludge Process	31.12.2018	7.6	12.0	28	9.5
113			Pune Municipal Corporation, Botanical Garden, Pune	PMC has not submitted	Oct-22	Proposed	10	NA	Extended Aeration Process	C2E is granted 18.05.2015	...	...	...	...
114			Pune Municipal Corporation, Baner, Pune	PMC has not submitted	Oct-22	Proposed	25	NA	SBR	C2E is granted 18.05.2015	...	...	...	...
115			Pune Municipal Corporation, Warje, Pune	PMC has not submitted	Oct-22	Proposed	28	NA	Extended Aeration Process	C2E is granted 18.05.2015	...	...	...	...
116			Pune Municipal Corporation, Vadgaon, Pune	PMC has not submitted	Oct-22	Proposed	26	NA	Extended Aeration Process	C2E is granted 18.05.2015

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											pH	TSS	COD	BOD
117			Pune Municipal Corporation, Tanaji Wadi, Pune	PMC has not submitted	Mar-22	Proposed	15	NA	Extended Aeration Process	C2E is granted 18.05.2015
118			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	...	...	...	...
119			Pune Municipal Corporation, Dhanori, Pune	PMC has not submitted	Mar-22	Proposed	33	NA	Extended Aeration Process	C2E is granted 18.05.2015	...	...	...	...
120			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	...	...	...	...
121			Pune Municipal Corporation, Mundhva, Pune	PMC has not submitted	Mar-22	Proposed	20	NA	SBR	C2E is granted 18.05.2015	...	...	...	...
122			Pune Municipal Corporation, Kharadi, Pune	PMC has not submitted	Oct-22	Proposed	30	NA	SBR	C2E is granted 18.05.2015	...	...	...	...
123			Pune Municipal Corporation, Matsyabij Kendra, Pune	PMC has not submitted	Mar-22	Proposed	7	NA	SBR	C2E is granted 18.05.2015	...	...	...	...
124			Daund Municipal Council STP	1	Daund Municipal Council STP	MC has not submitted	2014	Operational	4.2	4.2	ASP	Not renewed
125	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
126	Lonavala Municipal Council	1	Dongar Gaon, Lonavala	-	-	Not in operation	3.6	NA	Only civil structure is at site, STP capacity is in enhancement	Not Obtained	-	-	-	-
127	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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											pH	TSS	COD	BOD
128	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	5.5	28	20	5
129	Pune Cantonment Board	1	Pune Cantonment Board, Pune			Proposed	20	NA						
130	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	152	-	42
131			East Khadali, Near Lokmanya Tilak Highschool	Latitude 18.554558 N, Longitude 73,86730 E	2003	Operational	1.2	1.2	Conventional type treatment	-	-	-	-	-
132	Pimpri Chinchwad Municipal Corporation, Pimpri 18	13	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	7.6	10	33.33	11.17
133			Chikhali Phase II	18.664711 73.803569	2000	Operational	16		ASP		7.60	10.00	33.33	11.17
134			Chinchwad Phase I (Bhatnagar)	18.6285751 73.795442	2000	Operational	30	56.984	ASP		7.53	8.00	21.33	6.17
135			Chinchwad Phase II	18.6302577 73.7939078	2008	Operational	30		SBR		7.58	9.33	29.33	9.50
136			Sangvi Phase I	18.5760751 73.824546	2011	Operational	10	6.031	ISBR		7.57	9.11	28.00	8.95
137			Kasarwadi I	18.6068105 73.8197588	1999	Operational	40	85.312	ASP		7.56	8.81	26.22	8.21
138			Kasarwadi II	18.6068105 73.8197588	2003	Operational	40		ASP		7.6	9.1	27.9	8.9
139			Kasarwadi III	18.6068105 73.8197588	July.2010	Operational	40		SBR		7.57	9.00	27.36	8.68

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											pH	TSS	COD	BOD
140			Pimple Nilekh	18.56604 73.790782	2007	Operational	20	18.741	Biotower		7.6	9.0	27.1	8.6
141			Ravet	18.641957 73.748192	2009	Operational	20	12.547	SBR		7.57	9.02	27.45	8.72
142			Akurdi	18.65089 73.778496	Jan. 2011	Operational	30	26.514	ISBR		7.57	9.00	27.32	8.66
143			Sangvi Phase II (Dapodi)	18.578343 73.8247606	2012	Operational	20	13.774	SBR		7.33	9.33	40.00	12.70
144			Chahroli Phase I	18.6506303 73.9258596	2013	Operational	21	20.362	SBR		7.63	12	32	10.1
145	Solapur Municipal Corporation	3	Degaon STP	17.663260 & 75.857317	24-08-2017	Operational	75	40	SBR	Consent renewal under process	7.8	6	32	4.4
146			Kumathe STP	17.598227 & 75.921544	29-03-2018	Operational	12.5	9.58	SBR	Consent renewal under process	7.75	5	32	4.4
147			Pratap Nagar STP	17.608417 & 75.866364	26-03-2018	Operational	15	9	SBR	Consent renewal under process	7.8	5	30	4.2
148	Mahabaleshwar Municipal Council	2	compartment no. 79(City Survey no.257/1) behind Karmachari Vasahat, At-Mahabaleshwar, Tal-Mahabaleshwar, Dist-Satara			Operational	4	2						
149			at Survey No.626, near Dhobi Ghat,At-Mahabaleshwar, Tal-Mahabaleshwar, Dist-Satara			Operational	1							
150	Panchgani Municipal Council	3	Survey No. 83/2 near Siddharthnagar,At-Panchgani, Tal-Mahabaleshwar, Dist-Satara		2011	Operational	0.65	0.65	MBR	31-12-2021	7.4	32	120	44
151			Plot no. 497/4 & 5 near Shivajinagar,At-Panchgani, Tal-Mahabaleshwar, Dist-Satara		2011	Operational	0.35	0.35	MBR	31-12-2021	7.4	4	148	52
152			Hindu Crematorium,At-Panchgani, Tal-Mahabaleshwar, Dist-Satara		2015	Operational	1.5	1.5	MBR	31-12-2021	7.7	8	144	48
153	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	6.8	36	-	9

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											pH	TSS	COD	BOD
154	Malkapur Nagarpanchayat	2	A/p-Malkapur Tal Karad Dist-Satara			Operational	5	5						
155			,A/p-Malkapur Tal Karad Dist-Satara			Operational	3	3						
156	Pandharpur Municipal Council	2	STP Gopalpur,Pandharpur	Lattitude-17.654721 Longitude-75.342168	2013	Operational	15.5	12	SBR		7.6	6	20	5.3
157			STP, 65 Acre,Pandharpur	Lattitude-17.689674 Longitude-75.343068	2019	Operational	2.5	0.5	SBT					
158	Kolhapur Municipal Corporation, Kolhapur	2	Kolhapur Municipal Corporation STP (76 MLD)Kasaba Bavada, Kolhapur	16.736989 74.245694	2014	Operational	76	55	SBR	Obtained Consent to Establish	7.3	10	12	2.6
159			Kolhapur Municipal Corporation STP (17 MLD)Dudhali, Kolhapur	16.697336 74.226921	2018	Operational	17	17	SBR	Obtained Consent to Establish Applied for operate	6.9	11	12	4
160			Kolhapur Municipal Corporation STP (6 MLD) Bawda, Kolhapur	16.736989 74.245694	Proposed	Proposed	6	NA	SBR	---	NA	NA	NA	NA
161			Kolhapur Municipal Corporation STP (4 MLD) Dudhali, Kolhapur	16.697336 74.226921	Proposed	Proposed	4	NA	SBR	----	NA	NA	NA	NA
162	Sangli Municipal Corporation	4	Dhulgaon STP 27 MLD (Oxidation pond)			Operational	27	27						
163			STP at Miraj-9.2 MLD (Oxidation pond)			Operational	9.2	9.2						
164			Hamumannagar STP 100 Footy road(Commising date-23/7/2018)			Operational	23.5	13						
165			SMKC Bedag road Miraj			Proposed	22.5	NA						
166	Ichalkaranji Municipal Council	2	Ichalkaranji Municipal Council (STP 20 MLD) Old Sangli Naka, Ichalkaranji	16.709583 74.478379	1995	Operational	20	14	SBR	Obtained Consent to Establish	6.9	916	272	90
167			Ichalkaranji Municipal Council (STP 18 MLD)Ichalkaranji STP Takawade	16.684993 74.512667	Commissioning not yet Started	Proposed	18	NA	SBR	NA	NA	NA	NA	NA

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											pH	TSS	COD	BOD
168	Malvan Municipal Council	1	Malvan Council			Proposed	4	NA						
169	Aurangabad Municipal Corporation	5	Kanchanwadi, Aurangabad	M/s. Khillari Infrastrutute Pvt Ltd	23.12.2017	Operational	161	70	SBR	Applied	6.76	54.05	...	54.62
170			Padegaon	M/s. Khillari Infrastrutute Pvt Ltd	24.04.2018	Operational	10	5	SBR	Applied	7.19	54.62	...	52.8
171			Salim Ali Lake	Aqua Tech	28.02.2013	Operational	5	4	SBR	Applied	7.07	47.7	...	63.3
172			At Zalta,	M/s. Khillari Infrastrutute Pvt Ltd	16.05.2018	Operational	35	15	SBR	Applied	5.99	63.3	...	51.2
173			Banewadi			Proposed	10	NA						
174	Beed Municipal Council	1	Beed			Under Construction	15	NA	SBR	NA	NA	NA	NA	NA
175	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	7.73	19.33	106.7	42.9
176			Bondar	190.09°.17``N 770.20°.44``E	Nov. 2014	Operational	87	45	ASP		7.83	12.66	61.33	28.66
177			Sangvi	190.11°.36``N 770.20°.03``E	Dec. 2018	Operational	15	8	ASP		7.3	60	60	21
178	Nagpur Municipal Corporation	11	Bhandewadi	21°08'18.4"N 79°09'18.5"E	2018	Operational	200	200	SBR	31/12/2016	8.03	11	16	4.2
179			Bhandewadi	21°08'12.8"N 79°09'32.8"E	2016	Operational	130	130	SBR	COU	7.92	10	12	3.2
180			Mankapur	21°11'25.05"N 79°04'44.6"E	2017	Operational	5	5	MBBR	Application for C to O return to NMC	7.6	19	74	27
181			Mokshadham	21°08'18.4"N 79°05'44.6"E	2017	Operational	5	5	MBBR	Application for C to O return to NMC	7.6	21	68	30
182			Kachimet	--	2018	Operational	1	1	SBT	Application for C to O return to NMC	--	--	--	--

Sr. No.	City/Town	No. of STP	Location of STP	Coordinates of STP	STP Commissioned in (Year)	Status (Operational / Non-Operational / Under Construction)	STP Installed Capacity (in MLD)	Actual Utilization Of Installed Capacity (in MLD)	Technology (ASB/ASP/OP/SBR/MBR/FAB etc.)	Consent Status	Compliance Status (in mg/Lit except pH)			
											pH	TSS	COD	BOD
183			Sonegaon	21°05'59.0"N 28°02'53.0"E	Sept. 2019	Operational	0.3	0.3	Phytorid	Application for C to O return to NMC	--	--	--	--
184			Hazari Pahad	--	Oct. 2019	Operational	4	4	SBR	Completed	--	--	--	--
185			Hudkeshwar	--	--	Proposed	30	NA	--	Proposed	--	--	--	--
186			chikhali (khurd)	--	--	Proposed	30	NA	--	Proposed	--	--	--	--
187			Bhandewadi	--	--	Proposed	82	NA	--	Proposed	--	--	--	--
188			Bhandewadi	--	--	Proposed	65	NA	--	Proposed	--	--	--	--
189	Tinganghat Municipal Council	2	Near Smashan bhoomi, Mouda		NA	Proposed	10	NA	ASP	NA	-	-	-	-
190			Near Smashan bhoomi, Mouda		NA	Proposed	3.5	NA	ASP	NA	-	-	-	-
191	Mouda Nagar Panchayat	1	Nagpur road		NA	Proposed	1	NA	ASP	NA	-	-	-	-
192	Bhandara Municipal Council	1	Tumsar Road, Bhandara			Proposed	15		ASP		-	-	-	-
193	Pauni Municipal Council	1	Near Mandir, Pauni			Proposed	7		ASP		-	-	-	-
194	Amravati Municipal Corporation	2	STP-1 –Lalkhadi,	20.56°23.97"N 77.43°42.94" E	2017	Operational	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	8.2	10	16	7.4
195			STP-2-Lalkhadi	20.56°23.97"N 77.43°42.94" E	2013	Operational	30.5	30.5	ASP		7.74	20	24	10
196	Akola Municipal Corporation	2	Shiloda	Lati- 20.752263 Long - 76.992215	NA	Under Construction	30	NA	SBR	NA	NA	NA	NA	NA
197			PDKV	Lati- 20.711595 Long - 77.02539	NA	Under Construction	7	NA	SBR	NA	NA	NA	NA	NA

Sr. No.	City/Town	No. of STP	Location of STP	Coordinates of STP	STP Commissioned in (Year)	Status (Operational / Non-Operational / Under Construction)	STP Installed Capacity (in MLD)	Actual Utilization Of Installed Capacity (in MLD)	Technology (ASB/ASP/OP/SBR/MBR/FAB etc.)	Consent Status	Compliance Status (in mg/Lit except pH)			
											pH	TSS	COD	BOD
198	Shegaon Municipal Council	1	S.No. 752/1, Charmori, 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/1901001356 dtd. 18/01/2019 valid upto 30/11/2021.	7.75	33	....	30.25
199	Chandrapur Municipal Corporation	3	Pathanpura	28.36'21.096"N 77.19'29.784" E	2017	Operational	45	36	ASP	Not obtained	7.2	6	56	4.6
200			Rehmat Nagar	19.55'34.9068"N 79.17'36.9636" E	2017	Operational	25							
201			Azad Garden	19.9514"N 79.2969" E	2017	Operational	0.5							
						Proposed/Under Construction	3879.5							
						Total	3879.5							