

**REPORT ON ACTION
PLAN FOR CLEAN-UP OF
POLLUTED STRETCH OF
BHIMA RIVER**

March, 2019

CONTENTS

| | |
|--|----|
| BHIMA RIVER (Vithalwadi to Takli) | 3 |
| 1.1 Executive Summary | 3 |
| 1.2 Background | 10 |
| 1.3 Status of Sewage Generation & Treatment..... | 11 |
| 1.4 Drain out-falling into River Bhima..... | 18 |
| 1.5 Status of water quality | 19 |
| 1.6 Status of Ground Water Quality | 24 |
| 1.7 Status of Industrial Effluent Generation & Treatment..... | 27 |
| 1.8 Waste Management..... | 30 |
| 1.8.1 Solid Waste Management..... | 30 |
| 1.8.2 Bio-medical waste Management | 30 |
| 1.8.3 E-Waste management | 31 |
| 1.8.4 Hazardous Waste Management..... | 32 |
| 1.9 Dream Project of Government of Maharashtra (GOM), Namami Chndrabhaga | 33 |
| 1.10 Involvement of Civil Society/Creation of awareness..... | 34 |
| 1.11 Greenery Development Plan of Forest Department, Government of Maharashtra | 42 |
| 1.12 Plan for restoration of water quality | 45 |
| 1.13 Budget Estimates & Pooling of Resources from Local Bodies, State Pollution Control Board, State Government & Central Government..... | 47 |
| 1.14 Timelines for Implementation of Restoration Plan..... | 48 |
| 1.15 Governance and Supervision | 49 |
| 1.15.1 Two Tier Monitoring | 49 |
| 1.15.2 District Level Special Task Force: | 49 |
| 1.15.3 River Rejuvenation Committee:..... | 49 |

LIST OF TABLES

| | |
|--|----|
| Table 1 Introduction of river stretch | 11 |
| Table 2 Status of Sewage generation & treatment in Pune and Pandharpur | 12 |
| Table 3 Status of STPs in Pune & Pandharpur | 12 |
| Table 4 Status of Proposed STPs in Pune City | 13 |
| Table 5 Domestic Sewage Aspects On The River Stretch..... | 15 |

| | |
|---|----|
| Table 6 Details of Major Drains | 18 |
| Table 7 Water Quality of various Nallas | 18 |
| Table 8 Water Quality at U/s of Vithalwadi near Shankar Mandir, Vithalwadi..... | 19 |
| Table 9 Water Quality at D/s of Bundgarden, Yerwada | 20 |
| Table 10 Water Quality after confluence with Mula-Mutha at Pargaon near Vasant Bandara, Pargaon..... | 21 |
| Table 11 Water Quality at Narsingpur near Sangam Bridge after confluence with Nira | 22 |
| Table 12 Water Quality Index for 156 locations (surface water & ground water) during..... | 25 |
| Table 13 Ground water quality of dug well at MSW site Moshi, Dist. Pune | 26 |
| Table 14 Particulars of Industries in Pune District | 27 |
| Table 15 Particulars of Industries in Catchment Area | 27 |
| Table 16 Highly Polluting Industries as on 31/3/2018. | 28 |
| Table 17 Statistical Analysis Data for CETP Performance in Pune Region..... | 29 |
| Table 18 Status of Waste Management..... | 32 |
| Table 19 Time Bound Action Plan for River Bhīma | 45 |

LIST OF FIGURES

| | |
|---|----|
| Figure 1 Stretch of Bhima River | 10 |
| Figure 2 Map Showing Stretch of Bhima River..... | 10 |
| Figure 3 Map Showing NWMP Stations across Bhima River Stretch | 19 |

BHIMA RIVER (Vithalwadi to Takli)

1.1 Executive Summary

| Sr. No. | Description of Item | Details | | | | | | |
|---------|--|---|--------|------|-----|------|-------|------|
| 1. | Name of the identified polluted river and its tributaries | : Vithalwadi to Takli | | | | | | |
| 2. | Is river is perennial and total length of the polluted river | : Non- perennial Length- 200 KM | | | | | | |
| 3. | Revised priority as per Jan. to Dec.2018 Analysis results | : Priority II | | | | | | |
| 4. | No of drains contributing to pollution and names of major drains | : 1) Keshavnagar Nalla 2) Nalla at Bhapkar Mala 3) Rangicha Odha at Bhapkar Mala 4) Gopalpur Nalla-Pandharpur | | | | | | |
| 5. | Major Towns on the banks of the river with population | : 5) Pune – 3196239 6) Pandharpur- 1,10,000 | | | | | | |
| 6. | a. Sewage generation & Treatment in MLD | : Total Sewage generation- 759.5 in MLD Total Sewage Treatment- 492.5 in MLD | | | | | | |
| | b. Total no. of existing STPs and proposed STPs with total capacities in MLD | : <ul style="list-style-type: none"> • Existing STPs-11 Nos of existing STPs and having capacity 292 MLD • Proposed DTPs-11 Nos STPs with capacity-416 MLD | | | | | | |
| | c. Gaps in sewage treatment in MLD and no. of towns not having STPs | : Total Sewage generation - 205.80 in MLD and Actual sewage treatment–201.16 MLD. Gaps in treatment-4.64 MLD | | | | | | |
| 7. | Major industrial estates located with total no. of industries | : <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Orange</td> <td style="width: 30%;">2591</td> </tr> <tr> <td>Red</td> <td>3962</td> </tr> <tr> <td>Green</td> <td>3738</td> </tr> </table> <ul style="list-style-type: none"> • MPCB do not allow any industry to discharge effluent to the river. | Orange | 2591 | Red | 3962 | Green | 3738 |
| Orange | 2591 | | | | | | | |
| Red | 3962 | | | | | | | |
| Green | 3738 | | | | | | | |
| | a. Total water consumption and total industrial effluent generation in MLD | : Total Water consumption-24 MLD Total effluent Generation-18.33 MLD | | | | | | |
| | b. No. of industries having captive ETPs and their treatment capacity in MLD | : All 6533 Red & Orange categories have their own ETPs. | | | | | | |
| | c. No of CETP's and their treatment capacity | : 02 CETPs | | | | | | |
| | d. Gaps in treatment of industrial effluent | : No gap in effluent treatment. | | | | | | |
| | Waste Management | : | | | | | | |

| | | | |
|----|--|---|---|
| 8. | a. Solid Waste Generation & processing | : | <ul style="list-style-type: none"> • Solid waste generation-2100 MT/Day, Treatment-1078 MT/day. • Pune Municipal Corporation has MSW dumping ground at Urali Devachi where MSW generated in Pune City is dumped partly and over all 48 MSW processing plants at various location are in operation in PMC area. • Total generation of MSW from Pandharpur city is about 42 MT/Day. Out of which 36 MT/day waste is treated through Composting & Bio-Methanation plant. |
| | b. Biomedical Waste Generation & treatment | : | <ul style="list-style-type: none"> • Pune: Total collection and treatment: 4949 Kg/day. Hospitals in Pune Municipal Corporation Area are joined to CBMWTSDF-PASCCO • Pandharpur: Total collection and treatment: 1625 Kg/day. Hospitals in Solapur District are joined to M/s. Bioclean Systems India Pvt. Ltd. SMC Dumping Site, Old Barshi Road, A/p-Bhogaon, Tal. – North Solapur, Dist – Solapur |
| | c. E-Waste Management Generation & treatment | : | As per the Interim inventory report submitted to MPCB, the E-Waste generation for the year 2015 is approx. 6,46,509 MT. |
| | d. Hazardous waste Management | : | <ul style="list-style-type: none"> • There are 993 & 161 Hazardous waste generating industries in Pune & solapur districts respectively. These industries generated about 61596 MT of Hazardous waste in year 2017-18. • These industries generated about 688121 MT of Hazardous waste in year 2017-18. The HW from Pune & Solapur district is scientifically disposed through CHWTSDF - Maharashtra Enviro Power Ltd MIDC, Ranjangaon • CHWTSDF capacity – Landfill – 60000 TPA, Incineration – 20000 TPA and Lifespan of the facility is 20 years. |
| 9. | Action plan includes mainly covering aspect | : | RRC has already requested to Water Resource |

| | | | |
|-----|---|---|---|
| | such as (Proposal for utilisation of sewage, ground water recharging or rain water harvesting, measures for regulating ground water use, protection and management of flood plain zone, maintaining minimum E-flows and water shed management, plantation on both sides of the river, setting up of bio-diversity parks etc., as per Hon'ble NGT Orders dated 20.09.2018 and 19.12.2018) | | Dept, GoM for maintaining minimum E-flows and water shed management, plantation on both sides of the river, setting up of bio-diversity parks. |
| 10. | Min. and Max. required time period for implementation of action plans | | Min 2 Years, Max 4 Years |
| 11. | Total estimated budget in crores towards implementation of proposed action plans with break-up (e.g. No. of STPs, capacity, total cost; No of CETPs, total capacity, Cost towards interception and diversion of sewage/effluent to STPs/CETPs etc.,) | : | No. of STPs- 11 Nos. Capacity- 416 MLD Funding Details- Central Govt. Grant 85% & Pune Municipal Corporation MC own funds 15% |
| 12. | Whether 'River Rejuvenation Committee (RRC) constituted by the State Govt./UT Administration and If so, Date of constitution of 'RRC'. | : | River Rejuvenation Committee (RRC) constituted as per the Maharashtra Government G.R. issued by the Environment Dept, GoM vide No. NGT 2018/PC-2/TC-3 dtd.13.12.2018. |
| 13. | Responsible Organisation (s) for implementation of proposed action plans (Please enclose details as annexure) | : | 1. Water Resource Department, GoM 2. Urban Development Department 3. Pune Municipal Corporation 4. Pandharpur Municipal Council 5. Forest Department 6. Agriculture Department 7. Rural Development Department |
| 14. | Expected deliverables w r to achieving Goals | : | 1. To achieve 100% sewage collection and treatment 2. To achieve 100% MSW collection, transportation and treatment. 3. To achieve river water quality of Bathing standards by 2020. 4. Augmentation of River Flow and restoration of water quality-2022 |
| 15. | Initiatives taken by Govt. of Maharashtra and MPCB. | : | <ul style="list-style-type: none"> Maharashtra Government through it's forest department has announced The Plantation Program in 2016 with the aim of planting 2 crore & planted 2.82 crore saplings. Forest Department has set the target of plantation of 4Crore, 13Crore and 33Crore saplings under the mission of 50Crore plantation which shall be accomplished in the three consecutive years viz. 2017, 2018 and 2019. GOM, announced 'Namami Chandrabhaga |

| | | |
|--|--|---|
| | | <p>Abhiyan' in year 2016. It is an initiative taken to revive and rejuvenate the river Chandrabhaga and to restore its historic glory. Government of Maharashtra has prepared a comprehensive plan for cleaning of the river on the lines of 'Namami Gange'. The aim of the mission is to make the Chandrabhaga river pollution free and conserve its purity and sanctity up to year 2022.</p> <ul style="list-style-type: none"> • MPC Board will provide financial & technical assistance to villages in next three years to comply with sewage & waste management. • MPC Board has issued Direction to the local bodies to make 25% budgetary provision for scientific treatment and disposal of Sewage and Solid Waste. Accordingly, Municipal Corporations have passed resolution in their General Body meeting and reserved the funds. These funds are reserved and made mandatory to utilise for preparation of DPR, establishing treatment facility, O & M of treatment facility etc. The review of the same is taken from time to time by the Board. • MPC Board has issued directions to 08 Municipal Corporations to penalize to the tune of 1pais/litre of sewage generation under 'Polluter pays principle'. • MPC Board has issued directions to non-complying CETPs to penalize to the tune of 2 paisa/litre for remediation & upgradation to comply with the consented standards. |
| | <p>Budget Estimates & Pooling of Resources from Local Bodies, State Pollution Control Board, State Government & Central Government</p> | <ul style="list-style-type: none"> • The Pune Municipal Corporation has sanctioned fund of Rs. 990.26Cr; out of which Central Government has component of 841.72Cr. & Pune Municipal Corporation has component 148.54Cr for management of sewerage systems & STPs; which will be completed by 2022. • Maharashtra Government has already received proposal of Rs. 1104.54Cr. Under State River Conservation Program & form this amount State Government will provide necessary funds in next 3 years i.e. by 2022 for Sewage management |

| | | |
|--|--|---|
| | | <ul style="list-style-type: none"> • The Maharashtra Pollution Control Boards has also reserved Rs. 461.42Cr. for preparation of action plan for abatement & Control of Pollution of River Water due to sewage & solid waste disposal from B & C Municipal Councils (342Nos of Urban Local Bodies.), Nagar Panchyat & Gram Panchayat for reducing polluted stretches in compliance with Hon'ble NGT, principal bench directions w.r.t. "More River Stretches are now Critically Polluted". The said funds will be used for DPR preparation, development of infrastructure for sewage collection & treatment & development of infrastructure for Solid Waste Management. The DPR preparation & implementation of the same will be completed by year 2022 (i.e in next 3 years). • The Maharashtra Government through Urban Development Department has approved DPR of all 388 Urban Local Bodies for Solid Waste Management. The funds for the same amounting to Rs. 2560.0Cr has been already approved by Government & the said DPRs will be implemented & Solid Waste Management issues will be resolved by December'2019. |
|--|--|---|

Preamble -

In the matter of OA No. 673 of 2018-"More river stretches are critically polluted now: CPCB", the Hon'ble NGT has passed order dated 20.09.2018 for constitution of River Rejuvenation Committee (RRC) and Special Environment Surveillance Task Force (SESTF). The report comprises 351 polluted river stretches in India out of which 53 polluted river stretches are in Maharashtra. In the state, 9 polluted stretches in priority I & 6 polluted stretches in priority II. It has been mandated to prepare Action Plan for River Stretches and make them pollution free. In compliance of the orders of the Hon'ble NGT, the State Government has constituted RRC.

River Rejuvenation Committee (RRC) constituted as per the Maharashtra Government G.R. issued by the Environment Dept, GoM vide No. NGT 2018/PC-2/TC-3 dtd.13.12.2018 with 5 members under the guidance of Principal Secretary for preparation of action plans and to monitor the implementation of these action plans. The members of RRC are as mentioned under:

1. Commissioner / Director, Directorate of Municipal Administration
2. Chief Executive Officer – Maharashtra Industrial Development Corporation
3. Director (Environment)
4. Director (Industries)
5. Member Secretary – Maharashtra Pollution Control Boards- Member & Co-ordinator of RRC

Further State Government also constituted District Level Special Task Force comprising of the following:

1. Representative of District Collector
2. Representative of District Superintendent of Police
3. Representative of Regional Officer, MPCB
4. Representative of the District Judge of the concerned District

Meetings of the RRC Committee:

- 1st Meeting of River Rejuvenation Committee (RRC) convened on 14.12.2018. RRC reviewed draft action plans of polluted river stretches of Priority I prepared by Maharashtra PCB. It was decided by the all the committee members, to take review of local bodies and accordingly to communicate the outcomes of the meeting to the Hon'ble NGT, Principal Bench. Maharashtra PCB submitted nine draft action plans of polluted river stretches of Priority I to CPCB along with minutes of 1st meeting of RRC and submitted progress report of polluted river stretches to Hon'ble NGT on 15.12.2018

- 2nd Meeting of River Rejuvenation Committee (RRC) convened on 09.01.2019.
RRC reviewed draft action plans of polluted river stretches of Priority II prepared by Maharashtra PCB. It was decided in the meeting to add in the draft action plans funding details like source, name of scheme, timeline etc for proposed STPs by concern local bodies.
- 3rd Meeting of River Rejuvenation Committee (RRC) convened on 23.01.2019.
RRC reviewed and finalised draft action plans of polluted river stretches of Priority I, II, III, IV and V prepared by Maharashtra PCB. RRC also decided to call the local bodies and review the timelines proposed in action plans from time to time.
- Maharashtra PCB submitted 53 draft action plans of polluted river stretches of Priority I, II, III, IV and V to CPCB along with minutes of 2nd & 3rd meeting of RRC and submitted progress report of polluted river stretches to Hon'ble NGT on 31.01.2019.
- CPCB Task Team on Polluted River Stretches called MPCB to give presenataion on Action Plan for Priority-I & II polluted river stretches on 12.02.2019. Accordingly, the presentations were reviewed by Task team & few improvements in the action plan were suggested.
- 4th Meeting of River Rejuvenation Committee (RRC) held on 16/02/2019 & it was decided to communicate with 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, planation on both sides of river, Setting up of biodiversity parks on flood plains by removing encroachments and Urban Development department communicated 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 so as to comply with the Hon'ble NGT.

Achievable goal:

The objective/goal of the action plan is that the quality of river water should meet with the required value as given under:-

| Quality Parameter | Standard to be achieved |
|--------------------------|--------------------------------|
| BOD | 3.0 mg/l. |
| Dissolved Oxygen (DO) | More than 5.0 mg/l. |
| Faecal Coliform | Less than 500 MPN/100ml. |

1.2 Background

The Bhima River originates near Bhimashankar Temple in the Bhimashankar hills in Khed Taluka on the western side of the Western Ghats, known as Sahyadri, in Pune District. Bhima flows southeast for a long journey of 861 km with many smaller rivers joining it as tributaries.



Figure 1 Stretch of Bhima River

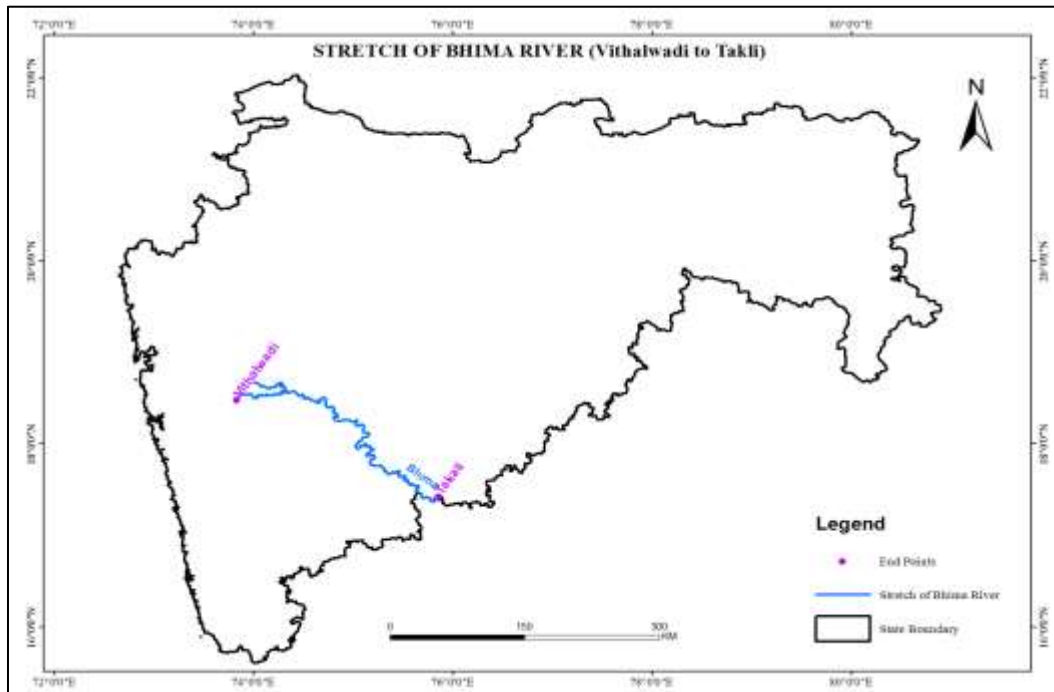


Figure 2 Map Showing Stretch of Bhima River

The river is non-perennial in nature and the steady flow is attributed to the release of water from Chas-kaman & Ujani Dams.

River Bhima is originating at Bhimashankar in Ambegaon Taluka of Pune district it flows southeast for 861 kilometres through Maharashtra, Karnataka, and Telangana states, before confluence with the Krishna River at Kadlur (Raichur) in Karnataka. In Maharashtra the river flows a length of 450 km. The mainstream of Bhima River flows from Pune, Ahmednagar and Solapur districts of the state. The river stretch extends from Vithalwadi, Pune to Takli, Near Karnataka border. Total 433 km of length in Bhima basin has been identified as polluted. Out of which 200 km polluted river is Bhima mainstream. The population of Pune is 40 Lacs & the population of Pimpri-Chinchwad is about 17.3 Lacs as per the 2011 Census.

Upper Bhima basin receives water from Mula, Mutha, and Pavana rivers that confluence at Pune. In the downstream, the Bhima river is joined by Ghod, Nira, Man, Sina, Bori tributaries.

The current status of the river as per the monthly sampling conducted between January to December 2018 reveals that water quality of the river falls in Priority II i.e. max BOD 28 mg/l.

Table 1 Introduction of river stretch

| Sr. No. | Description of item | Details |
|---------|---|---|
| 1 | Approx. length of stretch | 433 Km |
| 2 | Major Towns located on the bank along with Population | 7) Pune – 3196239 8) Pandharpur- 1,10,000 |
| 3 | Stretch of River Perennial or Non Perennial | Non Perennial. |
| 4 | Water usage in the stretch | Water used for irrigation. Water for potable purpose is provided from the dams. |
| 5 | Current status of polluted river stretch (Jan – Dec 2018) | Priority-II |

1.3 Status of Sewage Generation & Treatment

Pune city generates about 744 MLD sewage. There are 10 Sewage Treatment Plants installed by Pune Municipal Corporation with capacity of 567 MLD. At present nine of them are in operation with effective treatment capacity of 477 MLD. The gap in treatment is about 267 MLD. PMC plans to bridge the gap in sewage treatment by installing 11 sewage treatment plants of capacity 396 MLD at different locations. One 20 MLD plant is also proposed by Pune Cantonment Board which will be operational by 2022.

The PMC projects are funded by Central Government grant of 85% and own funds of 15%. For majority of the projects Tendering is in process & Work Order will be issued by end of April 2019 and the plants will be operational by 2022.

Pandharpur is an important pilgrimage centre of India located on the right bank of Bhima River also known as Chandrabhaga in this region because of its moon like shape. The city hosts temple

of ‘Vitthal’ a deity widely worshipped in Maharashtra. While thousands of devotees visit here daily, during the yearly pilgrimage called ‘wari’ in July the town of Pandharpur sees 10-12 lakh pilgrims in just 15 days. Taking holly bath in Bhima River forms an important part of the pilgrimage. City has population of around. Population of Pandharpur city is around 1,10,000. Sewage generation from the city is 15.5 MLD & a STP provided witg capacity of 15.5 MLD.

Table 2 Status of Sewage generation & treatment in Pune and Pandharpur

| Sr. No. | City | Total Sewage Generated | STP capacity | Total effective Treatment Capacity | Gap in Treatment (MLD) |
|---------|------------|------------------------|--------------|------------------------------------|------------------------|
| 1 | Pune | 744 | 567 | 477 | 267 |
| 2 | Pandharpur | 15.5 | 15.5 | 15.5 | Nil |

Table 3 Status of STPs in Pune & Pandharpur

| Name of STP | | Year of Commissioning | Capacity (MLD) | Present Inflow (MLD) |
|--------------|------------|-----------------------|----------------|----------------------|
| 1 | Mundhawa | 2010 | 45.0 | 47.0 |
| 2 | Bhairoba | 2003 | 130.0 | 80.0 |
| 3 | Naidu Old | 1988 | (90.0) | - |
| 4 | Naidu | 2010 | 115.0 | 100.0 |
| 5 | Vithalwadi | 2010 | 32.0 | 33.0 |
| 6 | Eradwane | 2004 | 50.0 | 52.0 |
| 7 | Tanajiwadi | 2004 | 17.0 | 17.0 |
| 8 | Bopodi | 2003 | 18.0 | 15.0 |
| 9 | Baner | 2010 | 30.0 | 30.0 |
| 10 | Kharadi | 2012 | 40.0 | 42.0 |
| | Pandharpur | -- | 15.5 | 15.5 |
| Total | | 2010/2014 | 477 | 416 |

Table 4 Status of Proposed STPs in Pune City

| Name and Address of STP | Designed Capacity (MLD) | Source of Funds | Present status of work | Stage of Completion | Target date of Completion |
|---|--------------------------------|---|---|-----------------------------|----------------------------------|
| Pune Cantonment Board, Pune | 20 | | Trial Run | | 2022 |
| Pune Municipal Corporation, Botanical Garden, Pune | 10 | Central Govt. Grant 85% & PMC Component 15% | Land belongs to agriculture university correspondence done with Govt. Proposal sent to UD & revenue department regarding handover of land. | Land Acquisition in process | 2022 |
| Pune Municipal Corporation, Baner, Pune | 25 | Central Govt. Grant 85% & PMC Component 15% | Process of Land Acquisition is under process. Total Station survey of land is completed. Land fee deposited to land & record department by PMC on 17/11/2018. Demarcation map of land is available from Land & Record Department. | Land Acquisition in process | 2022 |
| Pune Municipal Corporation, Warje, Pune | 28 | Central Govt. Grant 85% & PMC Component 15% | For the acquisition of reserved land PMC has deposited the amount of Rs. 14.32 cr. on 24.10.2017. The acquisition process is initiated by special land acquisition officer & it is in progress. Also negotiations with owners is in process. | Land Acquisition in process | 2022 |
| Pune Municipal Corporation, Vadgaon, Pune | 26 | Central Govt. Grant 85% & PMC Component 15% | Out of 2.5 Ha. Land about 1.26 Ha is Govt. land. Process of handing over of the said land to PMC by collector office is in final stage. For the acquisition of reserved land PMC has deposited the amount of Rs. 5.00 cr. on 01.08.2016 & Rs. 2.9 cr on 24.10.2017 in collector office. | Land Acquisition in process | 2022 |

| | | | | | |
|--|-----|---|---|--|------|
| | | | The acquisition process is initiated by special land acquisition officer & the same is in progress. | | |
| Pune Municipal Corporation, Tanaji Wadi, Pune | 15 | Central Govt. Grant 85% & PMC Component 15% | Bid documents issued to pre-qualified bidders on 29/12/2018. Pre-Bid meeting is scheduled on 21/01/2019 and opening of bids is scheduled on 27/02/2019. | Tendering in process & Work Order will be issued by end of April 2019. | 2022 |
| Pune Municipal Corporation, Naydu, Pune | 127 | Central Govt. Grant 85% & PMC Component 15% | Bid documents issued to pre-qualified bidders on 29/12/2018. Pre-Bid meeting is scheduled on 16/01/2019 and opening of bids is scheduled on 25/02/2019. | Tendering in process & Work Order will be issued by end of April 2019. | 2022 |
| Pune Municipal Corporation, Dhanori, Pune | 33 | Central Govt. Grant 85% & PMC Component 15% | Bid documents issued to pre-qualified bidders on 29/12/2018. Pre-Bid meeting is scheduled on 21/01/2019 and opening of bids is scheduled on 27/02/2019. | Tendering in process & Work Order will be issued by end of April 2019. | 2022 |
| Pune Municipal Corporation, Bhairoba, Pune | 75 | Central Govt. Grant 85% & PMC Component 15% | Bid documents issued to pre-qualified bidders on 29/12/2018. Pre-Bid meeting is scheduled on 16/01/2019 and opening of bids is scheduled on 25/02/2019. | Tendering in process & Work Order will be issued by end of April 2019. | 2022 |
| Pune Municipal Corporation, Mundhva, Pune | 20 | Central Govt. Grant 85% & PMC Component | Bid documents issued to pre-qualified bidders on 29/12/2018. Pre-Bid meeting is scheduled on 21/01/2019 and opening of bids is | Tendering in process & Work Order will be issued by | 2022 |

| | | | | | |
|---|----|---|--|--|------|
| | | 15% | scheduled on 27/02/2019. For the acquisition of reserved land PMC has deposited the amount of Rs. 5.31 cr. on 19.01.2018. | end of April 2019. | |
| Pune Municipal Corporation, Kharadi, Pune | 30 | Central Govt. Grant 85% & PMC Component 15% | Proposal submitted to the forest dept. on 07.12.2017. Out of 0.70 Ha private land 0.3 Ha land came in possession of PMC in Nov.2018 in lieu of TDR. Regarding Forest Land NOC awaited from Collector Office. | | 2022 |
| Pune Municipal Corporation, Matsyabij Kendra, Pune | 7 | Central Govt. Grant 85% & PMC Component 15% | Bid documents issued to pre-qualified bidders on 29/12/2018. Pre-Bid meeting is scheduled on 21/01/2019 and opening of bids is scheduled on 27/02/2019. | Tendering in process & Work Order will be issued by end of April 2019. | 2022 |

PMC has received grant of Rs. 57.74 cr. under Japan International Cooperation Agency – JICA wherein diversion of nallah work is considered. Drainage system is proposed by Pune Municipal Corporation in rest of the unsewered area.

Proposal for utilization of sewage - The Infrastructure Projects are mandated by MPCB to recycle 60% of treated sewage for secondary use by providing dual pipeline.

The Local Bodies will be encouraged to reuse treated sewage for various purposes including to Thermal Power Plants wherever possible.

Table 5 Domestic Sewage Aspects On The River Stretch

| Sr No | Particular | Remarks |
|--------------|--|---|
| 1 | Details of drainage system/sewerage network present/proposed | Existing drainage network- Map enclosed. ➤ PMC area covered with 92% of sewerage network having 2,200 Kms of length.(excluding newly merged 11 villages) |

| | | |
|---|---|--|
| | | <p>Proposed drainage network-</p> <ul style="list-style-type: none"> ➤ PMC has received grant of Rs. 57.74 cr. Under JICA wherein diversion of nallah work is considered. ➤ For collection of untapped sewage – laying of 113.6 Kms of sewers with house connection & laterals in PMC area ➤ Presently sewage is more than existing STP capacity. However PMC has planned to cater the Sewage from this area considering the population till 2027 by adding new STP having capacity 10 MLD at Botanical Garden and 25 MLD at Baner. |
| 2 | Proposal for utilisation of sewage | <p>The Infrastructure Projects are mandated by MPCB to recycle 60% of treated sewage for secondary use by providing dual pipeline.</p> <p>The Local Bodies will be encouraged to reuse treated sewage for various purposes including to Thermal Power Plants wherever possible.</p> <p>e.g. Koradi TPS is receiving 100 MLD of treated sewage from Nagpur city.</p> |
| 3 | Ground water extraction & consumption | <p>Water to the Pune city is provided from dams. Hence ground water extraction is minimum.</p> <p>Water to industrial area is supplied by Maharashtra Industrial Development Corporation.</p> |
| 4 | STP sludge management | STP sludge is disinfected and used as manure. |
| 5 | Proposal for ground water recharging/rain water harvesting | The EC has mandated rainwater harvesting. |
| 6 | Adopting good irrigation practices | Agriculture Department, GoM & Water Resource Department, GoM is requested for implementation. |
| 7 | Protection and management of Flood Plain Zones (FPZ) | Water Resource Department, GoM is requested for implementation. |
| 8 | Plantation on both sides of the river | Water Resource Department, GoM is requested for implementation. |
| 9 | Setting up of biodiversity parks on flood plains by removing encroachment | Water Resource Department, GoM is requested for implementation. |

Further in entire Pune region, there are 28 operational STPs out of 36 in this Region with a collective treatment capacity of 1168.89 MLD. The total domestic effluent received at these STPs during the year 2017-18 was 1052.5 MLD while the total quantity of domestic effluent treated was 834.6 MLD. The mean of annual performance and analysis of all STPs provided in Pune Region are represented in Table 07.

Table 07 Mean of Annual Performance of STPs in Pune Region.

| Location | Parameters (mg/l) | | | | | |
|--|-------------------|--------|------------|--------|-------------|--------|
| | pH | | BOD (Mean) | | S.S. (Mean) | |
| | Inlet | Outlet | Inlet | Outlet | Inlet | Outlet |
| PMC STP at Tanajiwadi | - | 6.9 | - | 14 | - | - |
| PMC STP at New Naidu | - | 7 | - | 9.5 | - | - |
| PMC STP at Old Naidu | - | 7 | - | 4.2 | - | - |
| PMC STP at Vittalwadi | - | 7.1 | - | 8.6 | - | - |
| PMC STP at Erandwana | - | 7.1 | - | 15 | - | - |
| PMC STP at Baner | - | 7.3 | - | 3.8 | - | - |
| PCMC Akurdi | - | 7.9 | - | 11.6 | - | 10.3 |
| PCMC Charholi | - | 7.9 | - | 19.5 | - | 29 |
| PCMC Chikhali Phase-I | - | 7.4 | - | 12.4 | - | 15.2 |
| PCMC Chikhali Phase-II | - | 7.7 | - | 8.9 | - | 11.6 |
| PCMC Chinchwad | - | 7.5 | - | 17.3 | - | 12.3 |
| PCMC Kasarwadi -I | - | 9.1 | - | 7.5 | - | 14.3 |
| PCMC Kasarwadi -II | - | 7.3 | - | 12 | - | 16.2 |
| PCMC Kasarwadi -III | - | 7.6 | - | 14.7 | - | 14.9 |
| PCMC Pimple Nilakh | - | 7.8 | - | 10.2 | - | 32.3 |
| PCMC Ravet | - | 7.6 | - | 10.5 | - | 13.2 |
| PCMC Sanghavi | - | 7 | - | 5.8 | - | 11 |
| PCMC Dapodi | - | 7.8 | - | 10.1 | - | 17 |
| PCMC Bhat Nagar | - | 7.6 | - | 12.7 | - | 32 |
| Mahabaleshwar Municipal Council-STP No.1- at Compartment No. 79 (City Survey No. 257/1) Behind Karmachari Vasahat, at Mahabaleshwar, Taluka- Mahabaleshwar, District- Satara | - | 7.25 | - | 10.75 | - | 28 |
| | - | 7.65 | - | 147.5 | - | 640.5 |
| Panchgani Municipal Council (0.65 MLD) | - | 7.65 | - | 27 | - | 51 |
| Panchgani Municipal Council (0.35 MLD) | - | 7.5 | - | 8.55 | - | 27.5 |

| | | | | | | |
|--|-----|-----|---|-------|---|-------|
| Panchgani Municipal Council (1.5 MLD) | - | 7.6 | - | 78 | | 123 |
| Karad Municipal Council | - | 7.3 | - | 32.83 | | 31.33 |
| Malkapur City | - | 8.5 | - | 7 | - | 24 |
| Solapur Municipal Corporation, Solapur Kumathe STP | - | 8.1 | - | 4.95 | - | 13 |
| Solapur Municipal Corporation, Solapur Degaon STP | - | 8.1 | - | 5.5 | - | 12 |
| Solapur Municipal Corporation, Solapur Pratap Nagar STP | - | 8.2 | - | 4.05 | - | 11.5 |
| Pandharpur Municipal Corporation, Solapur Pandharpur STP | 7.8 | 7.4 | - | 85 | - | 21.25 |

From **Table 07**, it can be observed that the BOD outlet values exceeded the prescribed standard of 20 mg/l at the STP provided by Mahabaleshwar Municipal Council, and those at Panchgani, Karad and Pandharpur. Outlet values of suspended solids were within the prescribed standard of 50 mg/l at all locations except at the STP provided by Mahabaleshwar Municipal Council and at Panchgani.

1.4 Drain out-falling into River Bhima

There are total 4 drains which flow in the cities along the Bhima River. Details of these drains are given in the table below.

Table 6 Details of Major Drains

| Sr. No. | Location | Name of the drain | Discharge (min/max) | Length (km) About | Width (m) About | Depth (m) About |
|---------|-------------|-------------------------------|---------------------|-------------------|-----------------|-----------------|
| 1. | Keshavnagar | Keshavnagar Nalla | - | 1.8 | 12 | 0.50 |
| 2 | Shewalwadi | Nalla at Bhapkar Mala | - | 1.2 | 2.3 | 1.0 |
| 3. | Shewalwadi | Rangicha Odha at Bhapkar Mala | - | 1.1 | 4.0 | 0.6 |
| 4. | Pandharpur | Gopalpur Nalla | 2.0-3.0 MLD | 3.0 | 5.0 | 1.0 |

Table 7 Water Quality of various Nallas

| Major Drain | BOD (mg/l) | COD(mg/l) |
|----------------------------------|------------|-----------|
| Keshavnagar Nalla | -- | -- |
| Shewalwadi Nalla at Bhapkar Mala | 92.0 | 284.0 |

| | | |
|-------------------------------|------|-------|
| Rangicha Odha at Bhapkar Mala | 54.0 | 168.0 |
| Gopalpur Nalla | 50.0 | 148.0 |

1.5 Status of water quality

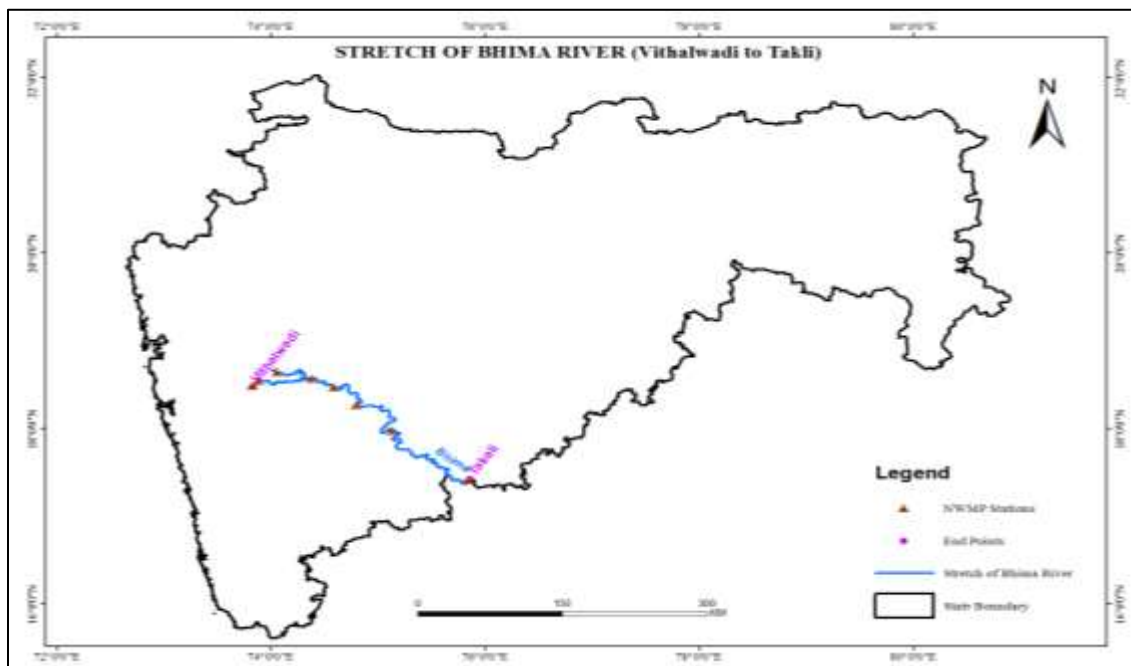


Figure 3 Map Showing NWMP Stations across Bhima River Stretch

Table 8 Water Quality at U/s of Vithalwadi near Shankar Mandir, Vithalwadi

| Month | Year | pH | DO (mg/L) | BOD (mg/L) | FC MPN /100ml | TC MPN /100ml | Water Quality |
|----------|------|-----|-----------|------------|---------------|---------------|---------------|
| January | 2017 | 8.3 | 0.6 | 12.0 | | | Non Complying |
| | 2018 | 7.1 | 3.8 | 10.6 | 225 | 1600 | Non Complying |
| February | 2017 | 7.4 | 1 | 15.5 | | | Non Complying |
| | 2018 | 7.9 | 4.6 | 9.2 | 195 | 1600 | Non Complying |
| March | 2017 | 7.3 | 1.2 | 14.0 | | | Non Complying |
| | 2018 | 8.3 | 4.7 | 10.5 | 140 | 900 | Non Complying |
| April | 2017 | 7 | 2.8 | 12.5 | 25 | 350 | Non Complying |
| | 2018 | 8.0 | 3.2 | 20.5 | 95 | 550 | Non Complying |
| May | 2017 | 8.1 | 2.2 | 13.5 | 110 | 900 | Non Complying |

| | | | | | | | |
|-----------|------|------|-----|------|-----|-------|---------------|
| | 2018 | 8.33 | 4.7 | 11 | 195 | 900 | Non Complying |
| June | 2017 | 7.9 | NIL | 15.0 | 195 | 900 | Non Complying |
| | 2018 | 7.7 | 5.1 | 12.5 | 200 | 1600 | Non Complying |
| July | 2017 | 7.3 | 4.4 | 10.2 | 120 | 900 | Non Complying |
| | 2018 | 7.0 | 1.2 | 28.0 | 195 | 1600 | Non Complying |
| August | 2017 | 8.3 | 4.0 | 14.0 | 250 | 1600 | Non Complying |
| | 2018 | 7.5 | 3.8 | 5.5 | 225 | 1800+ | Non Complying |
| September | 2017 | 7.2 | 4.1 | 19.0 | 250 | 1800 | Non Complying |
| | 2018 | 7.5 | NIL | 12.5 | 275 | 1800+ | Non Complying |
| October | 2017 | 7.5 | 4.2 | 11.0 | 225 | 1600 | Non Complying |
| | 2018 | 7.4 | 3.2 | 7.5 | 250 | 1800+ | Non Complying |
| November | 2017 | 8.4 | 4.7 | 11.0 | 195 | 900 | Non Complying |
| | 2018 | 7.1 | 3.5 | 4.5 | 250 | 1800+ | Non Complying |
| December | 2017 | 8.3 | 4.7 | 9.5 | 200 | 1600 | Non Complying |
| | 2018 | 7.72 | 1.9 | 10.5 | 200 | 1600 | Non Complying |

Table 9 Water Quality at D/s of Bundgarden, Yerwada

| Month | Year | pH | DO (mg/L) | BOD (mg/L) | FC MPN /100ml | TC MPN /100ml | Water Quality |
|----------|------|-----|-----------|------------|---------------|---------------|---------------|
| January | 2017 | 8.5 | 1.6 | 11.0 | | | Non Complying |
| | 2018 | 8.3 | 5.0 | 6.2 | 20.0 | 350 | Non Complying |
| February | 2017 | 7.5 | 4.6 | 5.0 | | | Non Complying |
| | 2018 | 7.9 | 5.6 | 6.4 | 20.0 | 425 | Non Complying |
| March | 2017 | 7.9 | 4.2 | 9.5 | | | Non Complying |
| | 2018 | 8.3 | 5.2 | 6.0 | 14.0 | 350 | Non Complying |
| April | 2017 | 7.4 | 5.5 | 6.0 | 2.0 | 45.0 | Non Complying |
| | 2018 | 7.4 | 5.1 | 6.2 | 70.0 | 425 | Non Complying |
| May | 2017 | 8.7 | 2.1 | 8.0 | 40.0 | 550.0 | Non Complying |

| | | | | | | | |
|-----------|------|------|-----|------|-------|-------|---------------|
| | 2018 | 8.47 | 4.7 | 9 | 30 | 350 | Non Complying |
| June | 2017 | 8.5 | 4 | 10.0 | 30.0 | 350.0 | Non Complying |
| | 2018 | 7.8 | 5.4 | 7.5 | 20.0 | 550 | Non Complying |
| July | 2017 | 7.0 | 6.5 | 6.0 | 17.0 | 250.0 | Non Complying |
| | 2018 | 7.2 | 4.5 | 7.5 | 35.0 | 550 | Non Complying |
| August | 2017 | 8.1 | 6.4 | 7.8 | 20.0 | 275.0 | Non Complying |
| | 2018 | 7.7 | 5.2 | 3.4 | 130 | 1800+ | Non Complying |
| September | 2017 | 7.7 | 3.8 | 10.2 | 14.0 | 250.0 | Non Complying |
| | 2018 | 7.7 | 4.6 | 6.6 | 110.0 | 1800+ | Non Complying |
| October | 2017 | 7.9 | 4.9 | 7.8 | 40.0 | 550.0 | Non Complying |
| | 2018 | 7.9 | 6.6 | 2.4 | 20.0 | 550 | Complying |
| November | 2017 | 8.6 | 4.5 | 7.2 | 12.0 | 200.0 | Non Complying |
| | 2018 | 8.1 | 4.1 | 3.5 | 25.0 | 550 | Non Complying |
| December | 2017 | 7.1 | 4.1 | 9.8 | 30.0 | 550.0 | Non Complying |
| | 2018 | 7.65 | 6.4 | 2.8 | 14 | 550 | Complying |

Table 10 Water Quality after confluence with Mula-Mutha at Pargaon near Vasant Bandara, Pargaon

| Month | Year | pH | DO (mg/L) | BOD (mg/L) | FC MPN /100ml | TC MPN /100ml | Water Quality |
|----------|------|-----|-----------|------------|---------------|---------------|---------------|
| January | 2017 | 8.5 | 1.6 | 11.0 | | | Non Complying |
| | 2018 | 8.3 | 5.0 | 6.2 | 20.0 | 350 | Non Complying |
| February | 2017 | 7.5 | 4.6 | 5.0 | | | Non Complying |
| | 2018 | 7.9 | 5.6 | 6.4 | 20.0 | 425 | Non Complying |
| March | 2017 | 7.9 | 4.2 | 9.5 | | | Non Complying |
| | 2018 | 8.3 | 5.2 | 6.0 | 14.0 | 350 | Non Complying |
| April | 2017 | 7.4 | 5.5 | 6.0 | 2.0 | 45.0 | Non Complying |
| | 2018 | 7.4 | 5.1 | 6.2 | 70.0 | 425 | Non Complying |

| | | | | | | | |
|-----------|------|------|-----|------|-------|-------|---------------|
| May | 2017 | 8.7 | 2.1 | 8.0 | 40.0 | 550.0 | Non Complying |
| | 2018 | 8.47 | 4.7 | 9 | 30 | 350 | Non Complying |
| June | 2017 | 8.5 | 4 | 10.0 | 30.0 | 350.0 | Non Complying |
| | 2018 | 7.8 | 5.4 | 7.5 | 20.0 | 550 | Non Complying |
| July | 2017 | 7.0 | 6.5 | 6.0 | 17.0 | 250.0 | Non Complying |
| | 2018 | 7.2 | 4.5 | 7.5 | 35.0 | 550 | Non Complying |
| August | 2017 | 8.1 | 6.4 | 7.8 | 20.0 | 275.0 | Non Complying |
| | 2018 | 7.7 | 5.2 | 3.4 | 130 | 1800+ | Non Complying |
| September | 2017 | 7.7 | 3.8 | 10.2 | 14.0 | 250.0 | Non Complying |
| | 2018 | 7.7 | 4.6 | 6.6 | 110.0 | 1800+ | Non Complying |
| October | 2017 | 7.9 | 4.9 | 7.8 | 40.0 | 550.0 | Non Complying |
| | 2018 | 7.9 | 6.6 | 2.4 | 20.0 | 550 | Complying |
| November | 2017 | 8.6 | 4.5 | 7.2 | 12.0 | 200.0 | Non Complying |
| | 2018 | 8.1 | 4.1 | 3.5 | 25.0 | 550 | Non Complying |
| December | 2017 | 7.1 | 4.1 | 9.8 | 30.0 | 550.0 | Non Complying |
| | 2018 | 7.65 | 6.4 | 2.8 | 14 | 550 | Complying |

Table 11 Water Quality at Narsingpur near Sangam Bridge after confluence with Nira

| Month | Year | pH | DO (mg/L) | BOD (mg/L) | FC MPN /100ml | TC MPN /100ml | Water Quality |
|----------|------|----|-----------|------------|---------------|---------------|---------------------|
| January | 2017 | - | - | - | - | - | Dry Location |
| | 2018 | - | - | - | - | - | |
| February | 2017 | - | - | - | - | - | |
| | 2018 | - | - | - | - | - | |
| March | 2017 | - | - | - | - | - | |
| | 2018 | - | - | - | - | - | |
| April | 2017 | - | - | - | - | - | |
| | 2018 | - | - | - | - | - | |

| | | | | | | | |
|-----------|------|-----|-----|-----|-------|--------|---------------|
| May | 2017 | - | - | - | - | - | |
| | 2018 | - | - | - | - | - | |
| June | 2017 | - | - | - | - | - | |
| | 2018 | - | - | - | - | - | |
| July | 2017 | 8.1 | 6.2 | 5.2 | 140.0 | 550.0 | Non Complying |
| | 2018 | - | - | - | - | - | |
| August | 2017 | 8.6 | 6.3 | 6.4 | 35.0 | 550.0 | Non Complying |
| | 2018 | - | - | - | - | - | |
| September | 2017 | 8.2 | 5.3 | 4.8 | 225.0 | 1600.0 | Non Complying |
| | 2018 | 8.0 | 4.8 | 8.5 | 110.0 | 900 | Non Complying |
| October | 2017 | 8.0 | 5.7 | 5.4 | 170.0 | 900.0 | Non Complying |
| | 2018 | 8.2 | 4.5 | 3.4 | 195.0 | 1800+ | Non Complying |
| November | 2017 | 8.2 | 5.6 | 4.6 | 170.0 | 900.0 | Non Complying |
| | 2018 | - | - | - | - | - | |
| December | 2017 | - | - | - | - | - | |
| | 2018 | - | - | - | - | - | |

“-“ Samples not available.

Water Quality at Takli near Karnataka border, Solapur

| Month | Year | pH | DO (mg/L) | BOD (mg/L) | FC MPN /100ml | TC MPN /100ml | Water Quality |
|----------|------|-----|-----------|------------|---------------|---------------|---------------|
| January | 2017 | 8.7 | 3.2 | 12.5 | 20 | 250 | Non Complying |
| | 2018 | 8.9 | 6.0 | 4.2 | 170.0 | 900 | Non Complying |
| February | 2017 | 7.9 | 5.2 | 7.0 | 4 | 40 | Non Complying |
| | 2018 | 8.1 | 6.1 | 3.8 | 140.0 | 900 | Non Complying |
| March | 2017 | 8.1 | 4.8 | 11.0 | 17 | 70 | Non Complying |
| | 2018 | 8.0 | 5.8 | 4.6 | 140.0 | 900 | Non Complying |
| April | 2017 | 7.8 | 4.6 | 9.5 | 14 | 40 | Non Complying |

| | | | | | | | |
|-----------|------|------|-----|-----|------|-----|---------------|
| | 2018 | 8.4 | 5.7 | 5.0 | 50.0 | 550 | Non Complying |
| May | 2017 | 8.7 | 5.5 | 7.0 | | | Non Complying |
| | 2018 | 8.49 | 5.9 | 4.2 | 65 | 550 | Non Complying |
| June | 2017 | 8.2 | 5 | 7.0 | 120 | 900 | Non Complying |
| | 2018 | 7.8 | 6.1 | 3.4 | 5 | 900 | Non Complying |
| July | 2017 | 8.1 | 5.8 | 6.6 | 120 | 900 | Non Complying |
| | 2018 | 7.5 | 6.5 | 3.5 | 9.0 | 900 | Non Complying |
| August | 2017 | 8.5 | 6.6 | 6.0 | 35 | 550 | Non Complying |
| | 2018 | 7.2 | 6.8 | 2.2 | 4 | 900 | Complying |
| September | 2017 | 8.1 | 4.4 | 5.0 | 170 | 900 | Non Complying |
| | 2018 | 7.8 | 6.4 | 2.2 | 5 | 900 | Complying |
| October | 2017 | 8.1 | 6.0 | 4.6 | 170 | 900 | Non Complying |
| | 2018 | 8.2 | 3.9 | 4.6 | 45.0 | 550 | Non Complying |
| November | 2017 | 8.3 | 5.4 | 4.8 | 140 | 550 | Non Complying |
| | 2018 | 7.5 | 6.6 | 2.2 | 12 | 900 | Complying |
| December | 2017 | 7.8 | 5.8 | 4.4 | 195 | 900 | Non Complying |
| | 2018 | 7.5 | 3.6 | 4.5 | 195 | 900 | Non Complying |

It is observed from above analysis, that most of the location are not complying to the bathing standards of 3mg/lit of BOD which is due to non-availability of the dilution water at disposal location in the river bed. The necessary dilution will be achieved by way of discharging necessary water quantum required to maintain e-flow from dam in a periodical manner. The usual water cycle of the release of water is mostly for irrigation and domestic purposes from interval of 21 days to 45days. The continuous e-flow will be achieved subject to availability of the water in the dam.

It is analyzed that all samples are below 20mg/lit except one at U/s of Vithalwadi near Shankar Mandir to be observed at 28mg/lit for BOD.

1.6 Status of Ground Water Quality

Maharashtra Pollution Control Board (MPCB) regularly monitors the water quality across 250 Water Quality Monitoring Stations (WQMS) for both surface (155 on rivers, 34 on sea/creeks,

10 on drains, 1 dam) and ground water (24Borewells, 24Dugwell, 1 Handpumps, 1 Tubewell) under two programs of NWMP (National Water Monitoring Programme) project titled GEMS (Global Environment Monitoring System) and MINARS (Monitoring of Indian National Aquatic Resources). Surface water samples are monitored every month whereas the ground water samples are monitored every six months.

WQI for ground water

MPCB monitors ground water quality once in six months. Based on the stringency of the parameters and its relative importance in the overall quality of water for drinking purposes each parameter has been assigned specific weightage by CPCB. These weights indicate the relative harmfulness when present in water. Nine parameters (pH, Total Hardness, Calcium Hardness, Magnesium Hardness, Chloride, Total Dissolved Solids, Fluoride, Nitrate, Sulphate) are considered for calculating Water Quality Index of ground water.

| Water Quality Index - Ground Water | | |
|------------------------------------|-------------------------------|-------------|
| WQI | Water Quality | Colour Code |
| <50 | Excellent | |
| 50-100 | Good Water | |
| 100-200 | Poor Water | |
| 200-300 | Very Poor Water | |
| >300 | Water Unsuitable for drinking | |

Table 12 Water Quality Index for 156 locations (surface water & ground water) during January - 2019

| WQI Category | WQI | Number of WQI values in different category | |
|-------------------|-------------|--|----------|
| | | No. of WQI | % of WQI |
| Good to Excellent | 63-100 | 98 | 73.68 |
| Medium to Good | 50-63 | 12 | 9.02 |
| Bad | 38-50 | 9 | 6.77 |
| Bad to Very Bad | 38 and less | 14 | 10.53 |
| Total WQI values | | 133 | 100 |

Summary:

1. 110 WQI values or 82.70 % values are in category of Good to Excellent and Medium to Good.
2. 9 WQI values or 6.77 % are in category of Bad.
3. 14 WQI values or 10.53 % are in category of Bad to Very Bad.

Table 13 Ground water quality of dug well at MSW site Moshi, Dist. Pune

| STN Code | Location Name | | |
|---|--|--|--------------------------------|
| 1992 | Dug well at MSW Site, owned by Shri. Dattu Kondiba Borate at Borate Vasthi, Village- Moshi, Pimpri Chinchwad, Taluka- Haweli, District- Pune. | | |
| Sampling Date | 4/5/2018 | Drinking Water Standards | Water Quality bathing criteria |
| Dissolved O2 | 6.5 | 6 | 5 or more |
| pH | 8.4 | 6.5 – 8.5 | 6.5 - 8.5 |
| BOD | 2.6 | 0 | 3 or less |
| Total Coliform | 425.0 | Should not be detectable in any 100ml sample | 500 or less |
| Heavy metals like Nickel, Cadmium , Copper, Lead, Chromium, Mercury & pesticides like Alpha BHC, Beta BHC, OPDT, PPDDT, DDT_DDE_DDD, Endosulphan, Aldrin are observed to be Below Detectable Limits | | | |

National Rural Drinking Water Programme
Ministry of Drinking Water and Sanitation

State: MAHARASHTRA | District: PUNE | Show

Format E21- Block Quality Profile For FTK Testing

| S.No. | Block | Total Sources Tested | Tested Sources Not Found Contaminated | Nos. of Sources with Single Chemical Contaminants | | | | | |
|-------|--------------|----------------------|---------------------------------------|---|----------|----------|----------|----------|----------|
| | | | | Iron | Fluoride | Salinity | Nitrate | Arsenic | Other |
| | Total | 25,446 | 24,994 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | Ambegaoi | 2,099 | 2,085 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | Baramati | 2,452 | 2,444 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | Bhor | 1,620 | 1,617 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Dasand | 2,602 | 2,223 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Haveli | 1,722 | 1,719 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | Indapur | 1,339 | 1,261 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Junnar | 2,515 | 2,502 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | Khed | 3,435 | 3,435 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | Maval | 2,422 | 2,422 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | Mulshi | 1,296 | 1,296 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | Purandhar | 853 | 852 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | Shirur | 2,302 | 2,230 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Velha | 889 | 887 | 0 | 0 | 0 | 0 | 0 | 0 |

Above Figure shows there is no contamination of metals in above mentioned blocks in Pune district as per the published data of NRDWP, Ministry of drinking water and sanitation.

1.7 Status of Industrial Effluent Generation & Treatment

Maharashtra is one of the most highly industrialized states in India. With a rise in industrial estates in the State, areas like Mumbai, Thane, Navi Mumbai, Kalyan, Nashik, Pune and Pimpri-Chinchwad that have a large number of pollution-prone industries are facing chronic industrial pollution. In order to maintain a safe distance between industrial units and rivers to avoid discharge of effluent into water bodies, the State has its policy which also states that no industry will be allowed to establish along a river bank. Industries are being encouraged to recycle and reuse waste.

This region mostly harbors multi facet forms of industries ranging from IT & Biotech parks to complicated process & manufacturing industries Industrial Statistics in Pune region is demonstrated in following Table.

| Pune | | |
|--------------------|-----|------|
| LSI | MSI | SSI |
| 493 | 291 | 7101 |
| 1270 | 563 | 4608 |
| 1323 | 322 | 3637 |
| White - 203 | | |

Table 14 Particulars of Industries in Pune District

There are seven Industrial Estates are situated in the catchment area of the river. Total 9209 industries are situated in these industrial areas, out of 9209 industries 2591 are red category, 3962 are orange category & 3738 industries are in red category. However Red & orange category industries consumes about 55 MLD of water & generates industrial effluents of about 18.33 MLD. All such industries have their captive Effluent Treatment Plants. Treated effluent is being recycled in industry itself or used for irrigation. Maharashtra Pollution Control Board does not allow any industry to discharge treated/untreated effluent to the river.

The brief details about these industries is as under:

Table 15 Particulars of Industries in Catchment Area

| Sr No | Particular | Remarks | | | | | | |
|--------|---|---|--------|------|-----|------|-------|------|
| 1 | Particulars of Industries in catchment area of the river. | <table border="1"> <tr> <td>Orange</td> <td>2591</td> </tr> <tr> <td>Red</td> <td>3962</td> </tr> <tr> <td>Green</td> <td>3738</td> </tr> </table> <ul style="list-style-type: none"> MPCB do not allow any industry to discharge effluent to the river. | Orange | 2591 | Red | 3962 | Green | 3738 |
| Orange | 2591 | | | | | | | |
| Red | 3962 | | | | | | | |
| Green | 3738 | | | | | | | |
| 2 | No. of Directions issued to Industries | Nil | | | | | | |

| | | |
|---|---|---|
| 3 | Total water consumption and total industrial effluent generation | Total Water consumption-24 MLD Total effluent Generation-18.33 MLD |
| 4 | No. of industries having captive ETPs and their treatment capacity in MLD | All 6533 Red & Orange categories have their own ETPs. |
| 5 | No. of CETPs existing in the catchment of the polluted river stretch and the treatment capacity | 02 CETPs |
| 6 | No. of Industries that are members of the CETPs | -- |
| 7 | Gaps in treatment of industrial effluent | Nil |
| 8 | OCEMS installation Status by Industries | 40 Industries |

To monitor compliance of Consent conditions, performance of ETP, ECS and other measures, the Board officials inspect industries regularly. There are 489 industries identified under “Highly Polluting Industries”. Table 5.33 shows region-wise details of these highly polluting industries.

Table 16 Highly Polluting Industries as on 31/3/2018.

| Industry | Amravati | Aurangabad | Chandrapur | Kalyan | Kolhapur | Mumbai | Nagpur | Nashik | Navi Mumbai | Pune | Raigad | Thane | Grand Total |
|----------------------------|----------|------------|------------|--------|----------|--------|--------|--------|-------------|------|--------|-------|-------------|
| Cement | - | - | 5 | - | 1 | - | 1 | - | - | - | - | - | 7 |
| Distillery | 1 | 15 | | - | 17 | - | 1 | 22 | - | 36 | - | - | 92 |
| Dyes and Dye-intermediates | - | - | 2 | 3 | 2 | - | 1 | - | 1 | - | 7 | 2 | 18 |
| Fertilizer | 1 | 2 | - | - | - | 1 | 1 | 4 | - | 1 | 3 | - | 13 |
| Integrated Iron and Steel | - | - | 1 | - | 1 | - | 4 | - | - | 1 | 2 | - | 9 |
| Oil Refinery | - | - | - | - | - | 2 | - | - | - | - | - | - | 2 |
| Pesticide | - | - | - | 1 | 5 | - | - | 1 | 3 | - | 3 | 3 | 16 |

| | | | | | | | | | | | | | |
|---------------------|---|----|----|----|----|---|----|----|----|-----|----|----|-----|
| Pharmaceuticals | - | 13 | - | 12 | 4 | - | - | 2 | 15 | 9 | 14 | 23 | 92 |
| Pulp & Paper | - | - | 1 | - | - | - | - | - | - | 1 | - | - | 2 |
| Sugar | 1 | 55 | 2 | - | 41 | - | 5 | 35 | - | 63 | - | - | 202 |
| Tannery | | 1 | - | - | - | - | | - | - | - | - | - | 1 |
| Thermal Power Plant | 2 | 1 | 7 | - | 2 | 1 | 12 | 3 | - | - | - | 1 | 29 |
| Petro-chemical | - | - | - | - | - | - | - | - | 1 | - | 5 | - | 6 |
| Grand Total | 5 | 87 | 18 | 16 | 73 | 4 | 25 | 67 | 20 | 111 | 34 | 29 | 489 |

Further in entire Pune region, there are 5 operational CETPs in Pune Region. Their collective treatment capacity is 12.5 MLD. The total industrial effluent generated in this Region during the year 2017-18 was 379.62 MLD. Data on the quantity of effluent treated by these CETPs during this year is not currently available. The minimum SD. was found at Greenfield CET Plant P. Ltd. while the maximum SD. was found at Kurkumbh Environment Protection Co-op. Society. The performance of these CETPs is shown in Table 17.

Table 17 Statistical Analysis Data for CETP Performance in Pune Region.

| Parameters (mg/l) | | | Location | | | | |
|-------------------|------------|------|--|-----------------|-----------------------------|---------------------------|---------------|
| | | | Kurkumbh Environment Protection Co-op. Society | Ranjangaon CETP | Greenfield CET Plant P. Ltd | Hydro Air Tectonics (PCD) | Akkalkot CETP |
| Inlet | BOD (mg/l) | Min. | 52 | 2 | 70 | 11 | 88 |
| | | Max. | 1200 | 2650 | 490 | 1550 | 865 |
| | | Mean | 660 | 475 | 138 | 135 | 335 |
| | | SD. | 341 | 321 | 68 | 92 | 151 |
| | COD (mg/l) | Min. | 504 | 44 | 132 | 32 | 264 |
| | | Max. | 3520 | 8240 | 1488 | 620 | 2592 |
| | | Mean | 2067 | 1416 | 392 | 378 | 967 |
| | | SD. | 1370 | 941 | 202 | 275 | 431 |
| Outlet | BOD | Min. | 17 | 13 | 11 | 32 | 38 |

| | | | | | | | |
|--|---------------|------|-----|------|-----|------|-----|
| | (mg/l) | Max. | 80 | 775 | 130 | 450 | 320 |
| | | Mean | 54 | 111 | 32 | 159 | 95 |
| | | SD. | 30 | 71 | 26 | 68 | 65 |
| | COD (mg/l) | Min. | 56 | 36 | 40 | 100 | 116 |
| | | Max. | 272 | 2192 | 328 | 1360 | 952 |
| | | Mean | 163 | 250 | 101 | 465 | 282 |
| | | SD. | 88 | 229 | 80 | 187 | 189 |

From **Table 17** it is evident that the CETP at Kurkumbh Environment Protection Co-op. Society is performing very well at about 92% efficiency. The CETP at Hydro Air Tectonics (PCD) had the lowest performance with about 38% efficiency. The remaining CETPs were performing at about 71% efficiency in BOD and COD reduction. The discharge limit for BOD were being met at all CETPs and the limit for COD was being attained at all CETPs except Akkalkot CETP.

1.8 Waste Management

1.8.1 Solid Waste Management

In the state of Maharashtra there are total 271 local bodies , comprising of 27 Municipal Corporations, 16- 'A' Class Municipal Council, 54- 'B' Class Municipal Council, 154- 'C' Class Municipal Council, 14- Nagar Panchayat, 06-Cantonment Board generating about 22897.83 MT of municipal solid waste every day, of which the Contribution in terms of percentage by the corporation is 84.72 % , by A class council is 4.25 % , by B class council is 5.04 % , by C Class Council is 5.07 % and by Others is 0.96 % . The overall percentage of treatment is 34.70 % i.e. 7945.544 MT/day quantity is treated and the remaining is disposed in an unscientific manner. Out of 27 Municipal corporations, 24 Corporations have obtained Authorization from MPCB for 22 Nos of approved sites having processing & disposal facilities and same are in operations. 109 Nos. of Municipal Councils having partially processing & disposal facilities.

Total generation of MSW from Pune city is about 2100 MT/Day. Out of which 1078 MT/day waste is treated through Composting, Vermicomposting, RDF, Bio-Methanation plants & Waste to Energy.

Pune Municipal Corporation has MSW dumping ground at Urali Devachi where MSW generated in Pune City is dumped partly and over all 48 MSW processing plants at various locations are in operation in PMC area.

Total generation of MSW from Pandharpur city is about 42 MT/Day. Out of which 36 MT/day waste is treated through Composting & Bio-Methanation plant..

1.8.2 Bio-medical waste Management

Total Bio-medical waste generation in Pune is 4948.5 Kg/day. 100% waste is collected, transported and treated at CBMWTSDf-PASCCO located at Sangamwadi, Pune. The CBMWTSDf has installed capacity of Incinerator 150 Kg/Hr and Autoclave 200 litre/cycle.

Biomedical Waste generation, collection and treatment from Pandharpur: Total is 1625 Kg/day. Hospitals in Solapur District are joined to M/s. Bioclean Systems India Pvt. Ltd. SMC Dumping Site, Old Barshi Road, A/p- Bhogaon, Tal. – North Solapur, Dist – Solapur.

1.8.3 E-Waste management

- Maharashtra Pollution Control Board awarded work order to M/s. IRG Systems South Asia Pvt. Ltd. to carry out inventorisation of E-Waste generation in the State of Maharashtra.
- Interim inventorisation report is submitted to MPCB and final report will be ready within one month.
- As per the Interim inventory report submitted to MPCB, the E-Waste generation for the year 2015 is approx. 6,46,509 MT.
- **Number of authorized dismantlers/ recyclers in the state of Maharashtra**

| Present Status of E-Waste dismantling and recycling capacity | | | |
|---|---------------------|----|-----------|
| 1 | E-Waste Dismantlers | 70 | 77525 MTA |
| 2 | E-waste Recyclers | 08 | |
| | Total | 78 | |

- E-Waste Treated (Recycled/Dismantled)
 - Year 2015-16 : 4041.72 MT
 - Year 2016-17 : 6720.69 MT
 - Year 2017-18 : 7031.5 MT
- CPCB has approved EPR of 261 producers for Maharashtra. The list of the producers is enclosed here.
- Annual report for the year 2017-18 is submitted.

Action Taken by MPCB

- MPCB is undertaking regular monitoring of EPR Authorization conditions and regular inspection of the collection points/ centers mentioned in EPR Plan.
- MPCB has issued Directions u/s 5 of the Environment (Protection) Act, 1986 read with E-waste (Management) Rules, 2016 to all Municipal Corporations in Maharashtra on 06/12/2018 for provision of collection centres.
- Co-ordination with Various State Government Departments
- Co-ordination with Urban Local Bodies (Municipal Committee /Council /Corporation).
- Awareness through Public Notice

Constraints:

- Channelization E-waste from informal sector to formal sector.
- Awareness about impact of E-waste on Environment and Rules of E-waste is required.
- Authorized collections and Segregation centers are required to be established by Local Bodies.

1.8.4 Hazardous Waste Management

The state of Maharashtra has four Common Hazardous Waste Treatment, Storage and Disposal Facilities. These facilities are located at MIDC Talaja, Trans-Thane Creek Industrial Area, MIDC Ranjangaon, Pune and MIDC Butibori, Nagpur. These facilities collectively handle 340,847 MT of Hazardous waste per annum.

There are 993 Hazardous waste generating industries in Pune district. These industries generated about 61596 MT of Hazardous waste in year 2017-18. The HW from Pune district is scientifically disposed through CHWTSDF - Maharashtra Enviro Power Ltd MIDC, Ranjangaon, Dist. Pune having capacity – Landfill – 60000 TPA, Incinerable – 20000 TPA and Lifespan of the facility is 20 years.

Out of the 61596 MT generation in 2017-18, 32873 MT was Landfillable, 11428 MT was Incinerable, 10670 was Recyclable and 6625 was utilizable.

There are no industries are situated in the catchment area of river and adjoining areas.

Table 18 Status of Waste Management

| Sr. No | Particular | Remarks |
|--------|--|--|
| 1 | Total MSW Generation | 1) Pandharpur -MSW 42 MTD 2) Pune-Total generation of MSW – 2100 MT/Day . |
| 2 | Existing MSW treatment and disposal facilities | Pune Municipal Corporation : MSW Treatment – 1078 MT/day through Composting, Vermicomposting, RDF, 25 Bio-Methanation plant, Waste to Energy. Pune Municipal Corporation has MSW dumping ground at Urali Devachi where generated MSW is dumped partly and over all 48 MSW processing plants at various location are in operation in PMC area. Pandharpur: MSW Treatment – 36 MT/day through Composting & Bio-Methanation |
| 3 | Bio-medical waste Management | <ul style="list-style-type: none">• Pune: Total collection and treatment: 4949 Kg/day. Hospitals in Pune Municipal Corporation Area are joined to CBMWTSDF-PASCCO• Pandharpur: Total collection and treatment: 1625 Kg/day. Hospitals in Solapur District are joined to M/s. Bioclean Systems India Pvt. Ltd. SMC Dumping Site, Old Barshi |

| | | |
|---|--------------------|---|
| | | Road, A/p- Bhogaon, Tal. – North Solapur, Dist – Solapur |
| 4 | E-Waste management | As per the Interim inventory report submitted to MPCB, the E-Waste generation for the year 2015 is approx. 6,46,509 MT. |

1.9 Dream Project of Government of Maharashtra (GOM), Namami Chandrabhaga

GOM, has announced Namami Chandrabhaga Abhiyan on 18/03/2016 in the Budgetary Assembly Session of 2016-17. Namami Chandrabhaga is an initiative taken to revive and rejuvenate the river Chandrabhaga and to restore its historic glory. Considering the religious, social and economic importance of the river Chandrabhaga, the Government of Maharashtra has decided to prepare a comprehensive plan for cleaning of the river on the lines of 'NamamiGange'. Hon'ble Finance Minister, GOM, directed to issue the GR about finalization of working System of the Abhiyan, vide letter dt. 07/04/2016. The aim of the Namami Chandrabhaga Abhiyan is to make the Chandrabhaga river pollution free and conserve its purity and sanctity up to year 2022 and others are as mentioned below:

- To maintain the permanent minimum continuous flow of water in the river bed.
- To construct weirs in the river bed for maintaining water level.
- To maintain & keep minimum environmental flow of water.
- To make available sufficient public bathrooms & toilets as well as mobile bio-toilets to the publics during Pandharpur yatras.
- To install STP's for treatment of domestic wastes and scientific disposal facilities for solid waste generated from the villages & cities located on the bank of Chandrabhaga river.
- To carry out the beautification & forestation of river banks.
- To make reuse/recycle of treated industrial water generated from the industries and industrial estates located in the catchment area of chandrabhaga river.
- As per the local need to work for public participation and development of pilgrimage area.

“Namami Chandrabhaga Pradhikaran”

Established under the Chairmanship of Hon'ble Chief Minister, GoM & Co-Chairmanship of Hon'ble Finance Minister, GoM, having Divisional Commissioner, Pune as Member Secretary.

“High Power Committee”

Established under the Chairmanship of Hon'ble Chief Secretary, GoM of Maharashtra having Divisional Commissioner, Pune as Member Secretary.

In this context, the Government has identified CSIR National Environmental Engineering Research Institute (CSIR-NEERI) as ‘Nodal Technical Expert Agency’ the project. Bhimariver originates in Bhimashankar in Pune district. But when it reaches Pandharpur, it appears like a crescent moon, thus deriving the name Chandrabhaga. It flows in a 370-km stretch between Pune and Solapur districts. CSIR-NEERI was already involved by the Maharashtra Government to provide technological solutions for sanitation and sewage treatment at important cities and pilgrim centers like Nashik and Pandharpur. Furthermore, is retained CSIR-NEERI for technological interventions during the execution of the Project ‘Namami Chandrabhaga’. The Maharashtra Government intends to cleanse and make the holy river Chandrabhaga pollution free by the year 2022.

Similarly, on the line of Namami Chandrabhaga Maharashtra Government is in process of undertaking various projects for clean-up of other rivers in the State.

1.10 Involvement of Civil Society/Creation of awareness

For sustainable development it is necessary to promote and create environmental awareness among communities, businesses and governments. Therefore the Board organizes various environmental awareness programs across the State of Maharashtra. During the year 2017-18 the following programs on environmental awareness were conducted by the Board.

| Month | Subject | Details |
|--------------------|-----------------------------------|---|
| 22nd April 2017 | World Earth Day | Public awareness messages published in leading newspapers namely Dainik Samna, Sakaal, Divya Marathi, Loksatta, Indian Express, Lokmat, Maharashtra Times of India, DNS, Hindustan Times and Midday on the occasion of World Earth Day. |
| 5th June 2017 | World Environment Day celebration | The main event was organized at the Yashwantrao Chavan Auditorium, Mumbai on 5th June, 2017 on occasion of World Environment Day. Hon’ble Chief Minister of Maharashtra, Shri Devendra Fadnavis, Hon’ble Minister of Environment, Shri Ramdas Kadam and Member Secretary of MPCB, Dr. P. Anbalagan attended this event. During this event, award ceremony for Vasundhara Award competition organized for industries, municipal corporations and CETPs was carried out. On the occasion of World Environment Day, Vasundhara Short Film Competition based on the environment was announced by Hon’ble Chief Minister of Maharashtra at the main event. This competition will be organized for professionals as well as amateurs. During this event, the award ceremony for Photothon 2017 took place. This ceremony was presented by Member Secretary |

of MPCB, Dr. P. Anbalagan. Villages which had participated in the water conservation activity 'Jalsanvardhan Panchayat – Ek Lok Chalwal' organized by Maharashtra Pollution Control Board, Vanrai Pune and Zee 24 Taas were awarded at the hands of Hon'ble Chief Minister of Maharashtra for their exceptional performance. During this event, a short film festival related to the environment was organized for three days at Yashwantrao Chavan Centre, Mumbai with assistance from Enviro-Vigil and as a joint effort by MPCB and Environment Department, Government of Maharashtra. A large number of environmentalists attended this festival. At this time, discussion sessions with directors, producers, environment experts and analysts were also organized.



Hon'ble Shri Devendra Fadnavis, Chief Minister, GoM lighting the lamp during inauguration of the World Environment Day program held at Y. B. Chavan Auditorium, Mumbai on 5th June 2017.

Hon'ble Shri Ramdasji Kadam, Minister for Environment, GoM, Shri Sumit Mallik (IAS), Chief Secretary, GoM and Dr. P. Anbalagan (IAS), Member Secretary graced the occasion with their august presence.



On the eve of World Environment Day on 5th June 2017, Hon'ble Shri Devendra Fadnavis, Chief Minister, GoM giving away Vasundhara Awards to the entrepreneurs who have introduced best environment-friendly practices in their industry, at Y. B. Chavan Auditorium, Mumbai.

| | | |
|---------------|---|---|
| 5th June 2017 | World Environment Day | On the occasion of World Environment Day (5th June, 2017) public awareness messages were published in Maharashtra Times, Time of India, Loksatta, Indian Express, DNA, Hindustan Times, Midday (Gujarati, Urdu and English), Lokmat, Dainik Sakaal, Samna, Divya Marathi and in other leading newspapers. Information about various control measures adopted for pollution control was published in this section on behalf of MPCB. |
| 5th June 2017 | World Environment Day | On the occasion of World Environment Day (5th June, 2017) public awareness programs related to the environment, canvas paintings with messages about the environment, brainstorming on public awareness and various other activities were organized by We Love India on 5th June, 2017 at Bandra. Famous movie artists, sportspersons and Hon'ble Environment Minister for State were present during these activities. |
| 4th July 2017 | 'Paryavaranachi Vaari Pandharichya Daari' | An environmental public awareness campaign namely 'Paryavaranachi Vaari Pandharichya Daari' was organized on the occasion of Aashadhi Ekdashi and the foot pilgrimage to Pandharpur. As environmental issues are equally detrimental to urban and rural areas, fundamental messages such as plastic waste removal, proper use of water, electricity and natural resources, use of limited electrical power for agriculture, use of |

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| | | <p>organic fertilizers, proper waste management of wet waste and dry waste were spread among the 10 lakh devotees who had gathered for the Pandharpur pilgrimage. These messages were made public through folk art, popularly known as Kirtan, Bharud, and Povada. In this 15 day long pilgrimage, Sangeet Natak Academy award winner, Smt. Chandabai Tiwari, famous Shahir Shree Devanand Mali and Hari Bhakta Parayan Shri Dnyaneshwar Maharaj Wabale created public awareness through Bharud, Povada and Kirtan respectively. This year's Pandharpur pilgrimage was inaugurated at Pune by Hon'ble Minister of State of Environment, Shri Ramdas Kadam. Honorable dignitaries such as Member Secretary of MPCB, Dr. P. Anbalagan and Hon'ble Mayor of Pune were present at this event. Guidance for this pilgrimage was sought from Dr. Prakash Khandge, a well-known researcher of folk arts. The conclusion of this pilgrimage was organized on the eve of Aashadhi Ekadashi in the presence of Hon'ble Chief Minister, Shri Devendra Fadnavis, Mrs. Amruta Fadnavis, Cabinet Minister (Solapur), Shri Vijay Deshmukh, Minister of Water and Sanitation, Shri Babanrao Lonikar, Senior Cabinet Minister, Shri Mahadev Jankar, Member Secretary of MPCB, Dr. P. Anbalagan and other honorable dignitaries.</p> |
|--|--|--|



Hon'ble Shri Devendra Fadnavis, Chief Minister addressing pilgrims on the eve of environment public awareness campaign at Pandharpur on 4th July 2017, in the presence of Dr. P. Anbalagan (IAS), Member Secretary, GoM.

| | | |
|-------------|-------------------------------|---|
| August 2017 | 92.7 Big FM Big Green Ganesha | The Big Green Ganesha activity was co-organized by 92.7 Big FM and MPCB in the city of Mumbai. During this activity, the Big Green Ganesha van encouraged citizens at various |
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| | | locations to celebrate an eco-friendly Ganesh festival and to donate newspaper scrap for the even. During Ganesh festival a special studio was set up at Lalbaghcha Raja in Mumbai city for 10 days. At this time, Hon'ble Chief Minister of Maharashtra, Hon'ble Minister for Environment, Hon'ble State Minister for Environment and film celebrities spread messages for public awareness. |
| August 2017 | Zee 24 Taas Eco-Friendly Household Ganesh Festival Competition | The Household Eco-friendly Ganesh Festival Competition was organized at the state level as a joint venture by MPCB and Zee 24 Taas. This competition has a large number of participants. Citizens celebrating household in a unique way had participated in this competition from all over the state. Response to this competition has been increasing over the years. |
| August 2017 | ABP Maza Eco-Friendly Ganesh Festival Competition | A special public awareness campaign regarding celebrating an eco-friendly Ganesh festival in housing societies in major cities in the State was organized by MPCB and ABP Maza, a news channel. News about eco-friendly Ganesh festival celebrated in housing societies at cities such as Mumbai, Pune, Nashik and Nagpur was broadcast through the channel. Special programs on eco-friendly Ganesh festival celebrations at housing societies were also broadcast on the ABP Maza television channel. Well-known celebrities from Marathi film industry, Sayali Sanjeev and Rushi Saxema advertised the competition organized for celebrating an eco-friendly Ganesh festival through promos. Winners in this competition were awarded certificates by MPCB and Prasad. Public relations officer of MPCB was present at this time. These celebrities visited MPCB's Mantralaya. Special news regarding the event was broadcast by ABP Maza television channel. |
| August 2017 | Household Eco-Friendly Ganesh Festival Competition 2017 organized by Loksatta and MPCB. | Eco-friendly household Ganesh festival decoration competition was organized jointly by MPCB and Loksatta at 6 divisions of Loksatta newspaper at Mumbai, Pune, Nashik, Nagpur, Ahmednagar and Aurangabad. More than 2000 people competed in this event. Prize distribution of this competition took place at Yashwantrao Chavan Pratishthan at the hands of Hon'ble Minister for Environment, Shri Ramdas Kadam, State Minister for Environment, Shri Pravin Pote-Patil and Member Secretary of MPCB, Dr. P. Anbalagan. A special column regarding this event was published in all editions of Loksatta newspaper. |

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| August 2017 | Eco-Friendly Ganesh Festival UFO Digital Movies financial assistance. | Public awareness messages by celebrities from Marathi and Hindi film industry were publicized at 205 digital theatres by UFO Digital Movies for two weeks to promote an eco-friendly Ganesh festival. |
| August 2017 | Financial assistance for DNA Eco Ganesha public awareness campaign organized by DNA and MPCB. | To celebrate an environment friendly Ganesh festival, eco-friendly Ganesh idols based on the five natural elements were installed in selected malls in Mumbai city on behalf of the MPCB and DNA. MPCB played the role of co-convener in this campaign organized by DNA. Prominent celebrities from the Hindi film industry participated in this campaign. |
| August 2017 | Financial assistance for public awareness activity, Times Green Ganesha. | Eco-Green Ganesha competition was organized jointly by Environment Department of MPCB, Government of Maharashtra and Times of India group for public Ganesh festival organizations and housing societies in Mumbai and Pune. During this campaign, public awareness activities were conducted in various malls, movie theatres and colleges. Eco-friendly Ganesh festival workshops were conducted for school students. Various activities and cleanliness campaigns were conducted by college students for the eco-friendly Ganesh ambassador during Ganesh idol immersion at Girgaon Chowpati, Juhu beach and Versova beach at Mumbai. This campaign was launched by popular actor, Vidyut Jammwal and Hollywood Director, Chuck Russel at Lala Lajpat Rai College. A special film for public awareness had been created by Times group for this campaign. A dedicated column for this campaign was published for 10 consecutive days in the newspaper, Times of India. |
| August 2017 | Eco-Ganesha Public awareness campaign organized by Dainik Samna and MPCB. | Eco-friendly public Ganesh festival was organized at Mumbai, Pune and Aurangabad with assistance from the newspaper, Dainik Samna. The prize distribution event was conducted in the presence of Hon'ble Minister for Environment, Shri Ramdasbhai Kadam and Member Secretary, MPCB, Dr. P. Anbalagan. |



Hon'ble Shri Ramdasji Kadam, Minister for Environment, GoM giving away prizes to the participants on the eve of Eco-friendly Ganesh Public awareness campaign in the presence of Dr. P. Anbalagan (IAS), Member Secretary, MPCB

| | | |
|-------------|---|--|
| August 2017 | Public awareness messages about eco-friendly Ganesh festival displayed on Times OOH BEST bus stop shelters. | Public awareness message of 'Celebrate a pollution-free Diwali' by Hon'ble Chief Minister, Hon'ble Minister for Environment and Hon'ble State Minister for Environment were displayed on bus stops in Mumbai city for a period of 15 days. |
| August 2017 | Eco-friendly Dahi Handi 2017. | Eco Friendly Dahi Handi Festival 2017 was organized in association with IDEAL Book Company and MPCB. In this program, anti-noise pollution awareness rally was organized by famous Marathi film industry celebrities on the Open Deck Bus Service of Best Transport Service. Notable film and TV celebrities were present at this rally. On the eve of Dahi Handi, this rally was organized in the presence of street-play celebrities in Dadar, Lalgate area. Eco-friendly Dahi Handi was smashed in the presence of young celebrities from Zee TV and ETV. At the time, in front of Chhabildas High School in Dadar, the noise-free eco-friendly Dahi Handi was smashed along with celebrities from the film and theatre industry. Public Relations Officer, MPCB was present during this event. |



Anti-noise pollution awareness rally on the eve of Dahi-handi (Gopalkala) festival was organized with participation of famous Marathi film industry celebrities on the Open Deck Bus Service of Best Transport Service in the month of August 2017.



Anti-noise pollution awareness rally on the eve of Dahi-handi (Gopalkala) festival was organized with participation of famous Marathi film industry celebrities on the Open Deck Bus Service of Best Transport Service in the month of August 2017.

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| October 2017 | Public Awareness message for Diwali on television. | A public awareness message saying ‘Celebrate a pollution-free Diwali’ by celebrities from the film industry was broadcast by the television channels Zee 24 Taas, ABP Maza, IBN Lokmat, |
|--------------|--|---|

| | | |
|--------------|--|--|
| | | Star Pravah, Mi Marathi, TV9 Maharashtra, Saam TV, Jay Maharashtra and Maharashtra One. |
| October 2017 | Public Awareness message for Diwali on FM radio. | A public awareness message saying 'Celebrate a pollution-free Diwali' was broadcast on leading FM Radio channels in the State. |
| October 2017 | Diwali Bus Stop messages in Mumbai, Pune and Nagpur. | A public awareness message saying 'Celebrate a pollution-free Diwali' by Hon'ble Chief Minister of Maharashtra, Hon'ble Minister for Environment and Hon'ble State Minister for Environment were displayed on bus stops in the cities of Mumbai, Nagpur and Pune for a period of 15 days. |
| October 2017 | Pollution-free Diwali Resolution Campaign Pledge 2017. | Pollution-free Diwali Resolution Campaign Pledge 2017 was organized at Mantralaya to promote celebration of a pollution-free Diwali. A pollution-free Diwali was pledged by students from schools and colleges from the entire State in the presence of Hon'ble Chief Minister of Maharashtra, Shri Devendra Fadnavis. Hon'ble Minister for Environment, Shri Ramdas Kadam, Hon'ble Minister of Water Resources & Irrigation, Shri Girish Mahajan, Hon'ble State Tourism Minister, Shri Jaykumar Rawal, Hon'ble Additional Chief Secretary of Environment Department, Shri Satish Gavai, Hon'ble Chairman of Maharashtra Pollution Control Board, Shri Milind Mhaskar and Hon'ble Member Secretary of MPCB, Dr. P. Anbalagan attended this event. Students from various colleges |
| March 2018 | Eco-Friendly Holi. | From the last few years, the widespread public awareness campaigns organized by Maharashtra Pollution Control Board to promote the celebration of an eco-friendly Holi have been receiving an increasing response. This year on behalf of the MPCB, eco-friendly colours were distributed for free to employees and officers from MPCB, Hon'ble Ministers from Mantralaya, Hon'ble Secretaries, Hon'ble Chairman, Hon'ble Speaker and Members of Legislative Assembly and Legislative Councils. Messages to promote the celebration of an eco-friendly Holi were broadcast on television and radio channels. |

1.11 Greenery Development Plan of Forest Department, Government of Maharashtra

Government of Maharashtra has been instrumental in increasing tree and forest cover all over the State. GOM through its Forest Department has announced The Plantation Program in 2016 with the aim of planting 2Crore trees on 1st July 2016 was a resounding success with the final total reported figure of 2.82Crore saplings planted on a single day. After the successful implementation of 2Crore plantation program on 1st July, 20 16, the Government of Maharashtra

has designed the 50Crore plantation program for 3 consecutive years viz. 4Crore, 13Crore and 33Crore for 2017, 2018 and 2019 respectively. 10% Bamboo, mangrove and medicinal plantation is also incorporated in this plantation drive.

In the Second Phase, though the target was of 4Crore plantation from 1st to 7th July, 2017, actually 5.43Crore seedlings were planted due to overwhelming response of Government employees and people at large. These saplings programs are driven with the involvement of 33 Government Departments along with Students of Schools and Colleges, NSS, NCC, CSR, NGOs, Railways, National Highways, Defense, NABARD and other stakeholders of Society.

"Limca Book of World Records" has taken cognizance of these remarkable achievements of Forest Department relating to plantation in 2016 and 2017 and felicitated with certificates. Thus Maharashtra is the first State in India who acquired the place three years consequently in "Limca Book of Records".

In the Third Phase, against the target of 13Crore plantation in 2018 between the period from 1st to 31st July 2018 we could plant 15.88Crore trees, again exceeding the said target. The response of the public was overwhelming.

GoM continued this good work for the protection, enrichment and secure environment through various Schemes and Programs. In the Fourth Phase, the year 2019 represents the most significant and important step in completing this Mission of 50 crore plantation. In this year it was intended to plant 33Crore saplings throughout Maharashtra. Preparation and Planning for the success of this year's target have been initiated from 3rd August, 2018 i.e. immediately after completion of 13Crore Plantation Program. Forest Officials along with Revenue machinery and all administrative departments are working extremely hard with the active support of all sections of the society. The details of this 2 Crore, 4Crore, 13Crore & 33Crore plantation program are attached as Annexure I, II, III & IV respectively.

In an attempt to boost conservation and protection of forests and wild life in Maharashtra, the State Forest Department has launched a drive aimed at roping in citizens to help the department in their massive 50Crore trees plantation drive. A dedicated website greenarmy.mahaforest.gov.in has been developed for registration of individuals and

organizations as member of Green Army. I am happy to say that up-till now around 60 lakh members have been registered and we hope we could cross the 1Crore membership in near Future.

For maintaining the transparency, accountability and credibility, all the data relating to site selection for plantation with Geo-Tagging, development of Nurseries, digging of pits, availability of manpower, actual plantation and survival of the trees planted etc. is uploaded on the Digital Platform of Forest Department so that people can access the data at any given point of time. This has helped to build confidence amongst the people and their ever increasing participation in the plantation programme.

For the registration of plantation by the individuals, private NGOs and other stakeholders of society the mobile application called "My Plants" has been developed. Similarly, the programs like "Saplings at the Door Step", "Digital visibility on social media", "publicity campaign" are being implemented for greater public participation.

In Marathwada region of the State having low forest cover, a dedicated "Eco-Battalion" has been established at Aurangabad for tree plantation and its protection under the Defense Ministry of GIO considering establishing two more companies of this force at Beed & Latur.

The Forest Department is trying it's level its level best to increase the Forest and Tree cover in the State by various innovative ideas by involvement of people in the plantation & its protection especially on Non-Forest areas as forest area is limited. Massive tree plantation program in urban & rural areas under the scheme "Nurturing Trees is Worshiping Nature" has been launched by the Govt. in line with Ranmala Village in Khed Taluka of Pune District.

The Tree based Agriculture under Mahatma Gandhi National rural Employment Guarantee Scheme (MG-NREGS) Kanya Van Samruddhi Yojana, Bhausaheb Phundkar Horticulture Plantation Programme in co-ordination with Agriculture Department, Sericulture Plantation in coordination with Textile Department, Riverside Plantation are some of scheme initiated for increasing green cover in the Non- Forest areas.

- Status report on Forest for 2017 at all India level has been published by “ Forest survey of India” in February 2018 vis-a-vis status of forest & related sectors in 2015. As far as Maharashtra is concerned the findings are as follows:
- Tree cover on non-forest area has increased by 273Km.sq – Maharashtra is a leading state
- Mangrove cover has increased by 82Km.sq - Maharashtra is a leading state
- Water bodies in forest areas has gone up by 432 km.sq – Maharashtra is having higher rank
- Increase in the bamboo plantation area by 4462 km.sq – Eventually Maharashtra is placed highest in the country

1.12 Plan for restoration of water quality

A river cleaning plan for the entire Bhima Basin was prepared by a district level committee headed by Pune Collector along with MPCB in August 2010 after Health Department declared that 70 villages in Pune District were drinking polluted water. Action plan covered all the tributaries of the Bhima River including Mula, Mutha, Mula-Mutha and Indrayani going through Pune. The Rs 1433 crores plan mostly focused on building new centralised STPs.

In June 2016 Maharashtra government decided to make the Bhima river at Pandharpur pollution free and revive its sanctity through the ‘Namami Chandrabhaga’ project constructing Sewage Treatment Plants (STPs).The project was announced on the lines of Centre’s Namami Gange initiative.

For this project State Government planned to raise funds through Public Private Partnership (PPP). Following footprints of Sabarmati Riverfront it is also planning to reclaim land on the periphery of Bhima and commercially exploit the reclaimed patches. Setting up STPs on PPP basis and selling the treated sewage to nine industrial clusters located on the banks of Bhima is also considered for raising finances.

Table 19 Time Bound Action Plan for River Bhīma

| Sr. No. | Activity | Responsibility | Time Frame |
|----------------|--|----------------------------|-------------------|
| 1 | Organize awareness programs about environment pollution | Pune Municipal Corporation | One Month |
| 2 | For the treatment of 100% waste water prepare a plan, construct & operate STP in scientific manner | Pune Municipal Corporation | 2 Years |

| | | | |
|----|---|--|--|
| 3 | To prepare quantum of Solid Waste and Sewage generated and provision of MSW treatment facility | Pune Municipal Corporation | 6 Months |
| 4 | Organize awareness programs about promotion of organic farming on the River bank of villages. Restriction of chemical Pesticide, insecticide, fertilizer etc. | Agriculture Department, Pune Municipal Corporation | Immediately |
| 5 | Vehicle, cloths, animal wash should be stopped on the bank of river and awareness program should be conducted in river bank areas | Pune Municipal Corporation | 6 months |
| 6 | Compulsory application of water meter & installation of online monitoring systems | Pune Municipal Corporation | 1 Year |
| 9 | Maintaining continuous flow in the river | Pune Municipal Corporation, Irrigation Department | 1 Year |
| 10 | Underground drainage system should be done in all areas (100%) for wastewater | Pune Municipal Corporation | 1 year |
| 11 | Installation of In-Situ Nallah Cleanup system so as to stop sewage entering to the River Bhima | Pune Municipal Corporation | 3 Months |
| 12 | Up-gradation of existing STPs to meet 10mg/lit BOD Outlet standard | Pune Municipal Corporation | 4 Years |
| 13 | Exploration, development and augmentation of groundwater resources | Groundwater Surveys & Development Agency (G.S.D.A.) | Continuous |
| 14 | Groundwater Monitoring | Maharashtra Pollution Control Board, Ministry of Drinking water & sanitation | Continuous |
| 15 | Provision of adequate funds to Local Bodies located at bank of the river | Urban Development Department, Municipal Administration, Rural Development Department | 1 Year for planning & 3 years for implementation |
| 16 | Tree Plantation in catchment area & banks of the river | Forest Department, Water Resource Department | 1 Year |
| 17 | Maintaining e flow of the river, protection of flood plain zone, | Forest Department, Water Resource | 1 Year for planning & |

| | | | |
|----|--|----------------------------|--|
| | development of Bio Diversity Park | Department | 3 years for implementation |
| 18 | Prevention of Agricultural run-off to the river | Agriculture Department | 1 Year for planning & 3 years for implementation |
| 19 | Up-gradation of existing STPs to meet 10mg/lit BOD Outlet standard | Pune Municipal Corporation | 4 Years* |

***Note:** All existing STPs needs to be upgraded and modernized for achieving for 10BOD outlet standards as existing STPs are designed way back based on 30 BOD disposal standard i.e. stream standards as per EPA. Up-gradation will be completed in next 4 years as per the draft notification dated 24th November 2015 & directions of CPCB.

1.13 Budget Estimates & Pooling of Resources from Local Bodies, State Pollution Control Board, State Government & Central Government

- The Pune Municipal Corporation has sanctioned fund of Rs. 990.26Cr; out of which Central Government has component of 841.72Cr. & Pune Municipal Corporation has component 148.54Cr for management of sewerage systems & STPs; which will be completed by 2022.
- Maharashtra Government has already received proposal of Rs. 1104.54Cr. Under State River Conservation Program & form this amount State Government will provide necessary funds in next 3 years i.e. by 2022 for Sewage management
- The Maharashtra Pollution Control Boards has also reserved Rs. 461.42Cr. for preparation of action plan for abatement & Control of Pollution of River Water due to sewage & solid waste disposal from B & C Municipal Councils (342Nos of Urban Local Bodies.), Nagar Panchyat & Gram Panchayat for reducing polluted stretches in compliance with Hon'ble NGT, principal bench directions w.r.t. "More River Stretches are now Critically Polluted". The said funds will be used for DPR preparation, development of infrastructure for sewage collection & treatment & development of infrastructure for Solid Waste Management. The DPR preparation & implementation of the same will be completed by year 2022 (i.e in next 3 years).
- For Solid Waste Management, Maharashtra Government has approved DPR of all 388 Urban Local Bodies. The funds for the same amounting to Rs. 2560.0Cr has been already sanctioned by Government & the said DPRs will be implemented & SWM issues will be resolved by December'2019.

Proposed plans for maintaining e-flow: River flows only in Monsoon season & whenever dam water is released. The amount water released from dam is such that, will not over flow form next weir at the downstream

Other Recommendations:

1. Entry of raw sewage into the river should be prohibited. For which Sewage Treatment Plant should be installed with respect to the sewage generated from the cities along the River.
2. The local authorities / Zilla parishads should provide necessary arrangements for sewage treatment and disposal and solid waste management at all the villages and towns particularly located on the bank of the river.
3. Evaluation of treatment processes should be taken care of and reuse of treated must be practiced.
4. Garbage thrown in the form of flowers, garlands, plastic etc. should be stopped.
5. Online monitoring for water quality and river flow should be maintained.
6. At present Sewage Treatment plants are designed for River discharge standards i.e. BOD 30 mg/l and suspended solids 100 mg/l. Due to absence of dilution effect this standard is no more valid and should be enhanced to BOD 10 mg/l and suspended solids 30 mg/l. This can be achieved by adding Tertiary treatment comprising a coagulation/settling unit and a sand filtration system (similar to Water treatment plant). The cost of this addition will compensate with improved quality of river water. It may be possible to supply this treated sewage to industries, thereby reducing their fresh water consumption. Providing Sewage Treatment Plants.
7. For the villages provide bund to the nallah and pump sewage to nearby fields or provide septic tanks followed by soak pit to group of residents.
8. Installation of more screen bars to remove solid wastes in nallahs before it enters the river. In-situ nallah cleanup system shall be installed so as to stop untreated sewage entering in to the river.
9. After treatment treated water from STPs meeting agricultural usage standards can be used for agricultural purpose since it has no Industrial contamination.
10. Force MC to reuse the treated water as much as possible and reduce discharge in river. Treated water can be used for gardening purpose.
11. Installation of online monitoring system for water quality & GIS platform for creating & maintaining database.
12. Create encroachment for better public access and plan activities that attract tourists.
13. Proper arrangement for pilgrims during Bi-annual Yatras shall be done. Such as installation of bio-toilets, Plastic Crusher, proper collection of waste.

1.14 Timelines for Implementation of Restoration Plan

| Activities/Year | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Reconnaissance Survey | | | | | | | |

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| Water Quality Sampling | | | | | | | |
| Execution (Setting up of STPs) | | | | | | | |
| 1. Botanical Garden, Pune 2. Baner, Pune 3. Warje, Pune 4. Vadgaon, Pune 5. Tanaji Wadi, Pune 6. Naydu, Pune 7. Dhanori, Pune 8. Bhairoba, Pune 9. Mundhva, Pune 10. Kharadi, Pune 11. Matsyabij Kendra, Pune | | | | | | | |
| Execution (MSWM system) | | | | | | | |
| Augmentation of River Flow if any and restoration of water quality | | | | | | | |

1.15 Governance and Supervision

1.15.1 Two Tier Monitoring

Monitoring will be done by the concerned Departments/ Agencies, which are executing or responsible for particular activities and it will be their primary responsibility to ensure compliance of the Action Plan. In addition, there will be two level of Committees to review and monitor the status: (i) District Level Task Force (ii) River Rejuvenation Committee

1.15.2 District Level Special Task Force:

The District Level Special Task Force will monitor the Status of implementation of the Action Plan at the district Level.

1.15.3 River Rejuvenation Committee:

The River Rejuvenation Committee will monitor the Status of implementation of the Action Plan at the State Level

Table showing Districtwise Targer v/s Achievement for 2-crore plantation program

| S.No. | Revenue Division | District | Forest Department | | | | | Non - forest Department | | | | | Achievement in % | | | |
|-------|--------------------------|-----------------|-------------------|---------------------------------|----------------------------------|--------------------------------|----------------------------------|-------------------------|---------------------------------|----------------------------------|--------------------------------|----------------------------|------------------------|------------------------|----------------------------|--|
| | | | Plantation Target | Plantation Achievement (online) | Plantation Achievement (offline) | Plantation Achievement (Total) | Total Plantation Achievement (%) | Plantation Target | Plantation Achievement (online) | Plantation Achievement (offline) | Plantation Achievement (Total) | Plantation Achievement (%) | Plantation Achievement | Plantation Achievement | Plantation Achievement (%) | |
| A | B | C | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | |
| 1 | Amravati | Akola | 97000 | 106482 | 0 | 106482 | 109.78 | | | | | | | | | |
| 2 | Amravati | Amravati | 110000 | 172653 | 0 | 172653 | 156.96 | | 170638 | 0 | 170638 | | | | 277120 | |
| 3 | Amravati | Buldhana | 110000 | 152000 | 500 | 152500 | 138.64 | | 223895 | 0 | 223895 | | | | 396548 | |
| 4 | Amravati | Washim | 96000 | 102100 | 0 | 102100 | 106.35 | | 99162 | 0 | 99162 | | | | 251662 | |
| 5 | Amravati | Yavatmal | 1232000 | 1326600 | 0 | 1326600 | 107.68 | | 61134 | 0 | 61134 | | | | 163234 | |
| | Division Subtotal | | 1645000 | 1859835 | 500 | 1860335 | 113.09 | | 368877 | 0 | 368877 | | | | 1695477 | |
| 6 | Aurangabad | Aurangabad | 483000 | 491500 | 0 | 491500 | 101.76 | | 923706 | 0 | 923706 | | | | 2784041 | |
| 7 | Aurangabad | Beed | 603000 | 613137 | 0 | 613137 | 101.68 | | 73918 | 0 | 73918 | | | | 565418 | |
| 8 | Aurangabad | Hingoli | 345000 | 348400 | 0 | 348400 | 100.99 | | 71871 | 0 | 71871 | | | | 685008 | |
| 9 | Aurangabad | Jalna | 157000 | 165000 | 0 | 165000 | 105.10 | | 124846 | 0 | 124846 | | | | 473246 | |
| 10 | Aurangabad | Latur | 368000 | 374750 | 0 | 374750 | 101.83 | | 126963 | 0 | 126963 | | | | 291963 | |
| 11 | Aurangabad | Nanded | 488000 | 510000 | 0 | 510000 | 104.51 | | 28670 | 0 | 28670 | | | | 403420 | |
| 12 | Aurangabad | Osmanabad | 363000 | 373000 | 0 | 373000 | 102.75 | | 82043 | 46062 | 128105 | | | | 638105 | |
| 13 | Aurangabad | Parbhani | 153000 | 161500 | 0 | 161500 | 105.56 | | 13427 | 0 | 13427 | | | | 386427 | |
| | Division Subtotal | | 2960000 | 3037287 | 0 | 3037287 | 102.61 | | 122980 | 0 | 122980 | | | | 284480 | |
| 14 | Konkan | Mumbai City | 0 | 0 | 0 | 0 | 0 | | 644718 | 46062 | 690780 | | | | 3728067 | |
| 15 | Konkan | Mumbai suburban | 0 | 5000 | 0 | 5000 | 0 | | 8020 | 0 | 8020 | | | | 8020 | |
| 16 | Konkan | Palghar | 116000 | 531409 | 2105 | 533514 | 459.93 | | 4823 | 0 | 4823 | | | | 9823 | |
| 17 | Konkan | Raighad | 88000 | 234109 | 27835 | 261944 | 297.66 | | 279345 | 0 | 279345 | | | | 812859 | |
| 18 | Konkan | Ratnagiri | 11000 | 26847 | 18425 | 45272 | 411.56 | | 36780 | 0 | 36780 | | | | 298724 | |
| 19 | Konkan | Sindhudurg | 23000 | 27500 | 0 | 27500 | 119.57 | | 16763 | 142940 | 159703 | | | | 204975 | |
| 20 | Konkan | Thane | 148000 | 656650 | 0 | 656650 | 443.68 | | 117898 | 0 | 117898 | | | | 145398 | |
| | Division Subtotal | | 386000 | 1481515 | 48365 | 1529880 | 396.34 | | 287011 | 0 | 287011 | | | | 943661 | |
| 21 | Nagpur | Bhandara | 424000 | 684890 | 0 | 684890 | 161.53 | | 750640 | 142940 | 893580 | | | | 2423460 | |
| 22 | Nagpur | Chandrapur | 1145000 | 1556787 | 467580 | 2024367 | 176.80 | | 109050 | 0 | 109050 | | | | 793940 | |
| 23 | Nagpur | Gadchiroli | 420000 | 598636 | 0 | 598636 | 142.53 | | 446205 | 111007 | 557212 | | | | 2581579 | |
| 24 | Nagpur | Gondia | 552000 | 828266 | 0 | 828266 | 150.05 | | 105995 | 13410 | 119405 | | | | 718041 | |
| 25 | Nagpur | Nagpur | 686000 | 1002805 | 0 | 1002805 | 146.18 | | 2915 | 0 | 2915 | | | | 831181 | |
| 26 | Nagpur | Wardha | 270000 | 525002 | 0 | 525002 | 194.45 | | 303441 | 8433 | 311874 | | | | 1314679 | |
| | Division Subtotal | | 3497000 | 5196386 | 467580 | 5663966 | 161.97 | | 28681 | 0 | 28681 | | | | 553683 | |
| 27 | Nashik | Ahmednagar | 1054000 | 1591379 | 0 | 1591379 | 150.98 | | 996287 | 132850 | 1129137 | | | | 6793103 | |
| 28 | Nashik | Dhule | 305000 | 515500 | 0 | 515500 | 169.02 | | 362789 | 17725 | 380514 | | | | 1971893 | |
| 29 | Nashik | Jalgaon | 950000 | 1085050 | 0 | 1085050 | 114.22 | | 178854 | 9531 | 188385 | | | | 703885 | |
| 30 | Nashik | Nandurbar | 869000 | 1033000 | 0 | 1033000 | 118.87 | | 85113 | 16400 | 101513 | | | | 1186563 | |
| 31 | Nashik | Nashik | 1402000 | 2492433 | 17415 | 2509848 | 179.02 | | 70199 | 8820 | 79019 | | | | 1112019 | |
| | Division Subtotal | | 4580000 | 6717362 | 17415 | 6734777 | 147.05 | | 17910 | 69744 | 87654 | | | | 2597502 | |
| 32 | Pune | Kolhapur | 210000 | 405304 | 0 | 405304 | 193.00 | | 714865 | 122220 | 837085 | | | | 7571862 | |
| 33 | Pune | Pune | 1010000 | 1135510 | 189392 | 1324902 | 131.18 | | 171918 | 200540 | 372458 | | | | 777762 | |
| 34 | Pune | Sangli | 230000 | 332000 | 0 | 332000 | 144.35 | | 11189 | 989678 | 1000867 | | | | 2325769 | |
| 35 | Pune | Satara | 272000 | 527600 | 0 | 527600 | 193.97 | | 168833 | 0 | 168833 | | | | 500833 | |
| 36 | Pune | Solapur | 410000 | 468700 | 144746 | 613446 | 149.62 | | 60462 | 23511 | 83973 | | | | 611573 | |
| | Division Subtotal | | 2132000 | 2869114 | 334138 | 3203252 | 150.25 | | 8718 | 0 | 8718 | | | | 622164 | |
| | Grand Total | | 15200000 | 21161499 | 867998 | 22029497 | 144.93 | | 4451336 | 1657801 | 6109137 | | | | 28138634 | |

Cumulative target for non-forest departments for all districts put together was 50 lakh

Online - District Wise Forest & Non-Forest Details as on 9 th July 2017

| Sr. No. | District | Total Target as per distributed by CCF(T) for Forest Departments | FOREST | | | | | | Non Forest Agencies | | | | | | | | | | | |
|---------|-----------------|--|------------------------|--------------------|--|--|-------------------------|---|---|--|--------------------|------------------------|--------------------|---|--|-------------------------|---|---|--------------------|--|
| | | | No. Of Site Registered | Site Area (in Ha.) | No of Seedlings to be planted (As per Data Filled up by Forest department till Date) | No. Of Pits Dug (As per Data Filled up by Forest Department till Date) | No of Seedlings planted | Plantation % Achivement Against Target of Forest Department | Plantation % Achivement Against no of Pits dug of Forest Department | Total Target as per distributed by District Collector for Non Forest Departments | No of participants | No. Of Site Registered | Site Area (in Ha.) | No Seedlings to be planted(As per Data Filled up by all Agencies till Date) | No. Of Pits Dug(As per Data Filled up by all Agencies till Date) | No of Seedlings planted | Plantation % Achivement Against Target of Forest Department | Plantation % Achivement Against no of Pits dug of Forest Department | No of participants | Grand Total of Forest and Non Forest No of Seedlings planted |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 1 | Ahmednagar | 2228200 | 222 | 2784.82 | 2221323 | 2219923 | 2219935 | 99.63 | 100.00 | 807403 | 17,902 | 1,805 | 15,928 | 813824 | 776587 | 638607 | 79.09 | 82.23 | 68,140 | 2858542 |
| 2 | Akola | 283000 | 67 | 537 | 367258 | 367258 | 367258 | 129.77 | 100.00 | 357000 | 16,266 | 2,044 | 3,196 | 346602 | 346032 | 317949 | 89.06 | 91.88 | 46,962 | 685207 |
| 3 | Amravati | 405000 | 122 | 699.84 | 503572 | 486732 | 488388 | 120.59 | 100.34 | 565100 | 10,784 | 3,926 | 74,381 | 630485 | 504855 | 419928 | 74.31 | 83.18 | 18,303 | 908316 |
| 4 | Aurangabad | 510000 | 70 | 616.45 | 510832 | 510732 | 510832 | 100.16 | 100.02 | 692104 | 10,108 | 2,692 | 9,097 | 787484 | 682734 | 637178 | 92.06 | 93.33 | 11,524 | 1148010 |
| 5 | Beed | 448000 | 72 | 1253.69 | 795452 | 795452 | 795452 | 177.56 | 100.00 | 564572 | 5,986 | 1,673 | 2,321 | 551380 | 433861 | 488889 | 86.59 | 112.68 | 15,738 | 1284341 |
| 6 | Bhandara | 890000 | 103 | 946.58 | 1058469 | 1058469 | 1048469 | 117.81 | 99.06 | 85000 | 9,901 | 1,251 | 19,412 | 349841 | 316362 | 283914 | 334.02 | 89.74 | 27,009 | 1332383 |
| 7 | Buldhana | 414000 | 131 | 431.3 | 432100 | 432100 | 431100 | 104.13 | 99.77 | 495814 | 8,197 | 3,015 | 2,342 | 487127 | 471738 | 437882 | 88.32 | 92.82 | 10,057 | 868982 |
| 8 | Chandrapur | 2257883 | 144 | 2357.28 | 3407746 | 3407746 | 3357121 | 148.68 | 98.51 | 660000 | 22,909 | 4,177 | 127,491 | 1456512 | 1181935 | 1004395 | 152.18 | 84.98 | 41,274 | 4361516 |
| 9 | Dhule | 517000 | 64 | 977.54 | 1196873 | 1196873 | 1196873 | 231.50 | 100.00 | 285000 | 3,648 | 1,209 | 21,307 | 277619 | 263469 | 247573 | 86.87 | 93.97 | 4,728 | 1444446 |
| 10 | Gadchiroli | 1452500 | 94 | 1672.77 | 2425548 | 2425548 | 2351675 | 161.91 | 96.95 | 259732 | 23,311 | 1,360 | 20,841 | 284890 | 258175 | 211191 | 81.31 | 81.80 | 24,851 | 2562866 |
| 11 | Gondia | 1145000 | 125 | 934.15 | 1193385 | 1193385 | 1187896 | 103.75 | 99.54 | 151000 | 41,396 | 3,870 | 143,813 | 414624 | 414124 | 337925 | 223.79 | 81.60 | 43,499 | 1525821 |
| 12 | Hingoli | 438000 | 76 | 823.82 | 703840 | 703840 | 686700 | 156.78 | 97.56 | 328850 | 3,545 | 1,046 | 5,465 | 326225 | 323532 | 319249 | 97.08 | 98.68 | 26,198 | 1005949 |
| 13 | Jalgaon | 1440000 | 103 | 1656.45 | 1715981 | 1715981 | 1715981 | 119.17 | 100.00 | 649049 | 5,899 | 5,763 | 111,548 | 794952 | 651012 | 536564 | 82.67 | 82.42 | 26,621 | 2252545 |
| 14 | Jalna | 260000 | 56 | 367.94 | 260000 | 260000 | 260000 | 100.00 | 100.00 | 590250 | 10,907 | 1,386 | 3,564 | 603904 | 590513 | 595988 | 100.97 | 100.93 | 29,449 | 855988 |
| 15 | Kolhapur | 500000 | 77 | 660.5 | 562222 | 562222 | 555722 | 111.14 | 98.84 | 342000 | 14,934 | 4,025 | 106,084 | 378429 | 327394 | 357051 | 104.40 | 109.06 | 59,205 | 912773 |
| 16 | Latur | 310000 | 88 | 478.59 | 453820 | 400118 | 404512 | 130.49 | 101.10 | 583362 | 10,303 | 2,436 | 11,488 | 661810 | 642492 | 639028 | 109.54 | 99.46 | 41,926 | 1043540 |
| 17 | Mumbai City | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 54 | 550 | 4,730 | 4,392 | 4037 | 0.00 | 91.92 | 653 | 4037 |
| 18 | Mumbai Suburban | 0 | 1 | 1 | 500 | 0 | 500 | 100.00 | 100.00 | 0 | 100 | 256 | 3,806 | 23,899 | 5,715 | 14411 | 100.00 | 252.16 | 2,591 | 14911 |
| 19 | Nagpur | 763000 | 143 | 865.68 | 1024915 | 1024915 | 1024915 | 134.33 | 100.00 | 276000 | 4,729 | 5,773 | 42,237 | 673895 | 661305 | 560967 | 203.25 | 84.83 | 52,998 | 1585882 |
| 20 | Nanded | 710000 | 167 | 1764.75 | 1217300 | 1217300 | 1211050 | 170.57 | 99.49 | 535576 | 7,150 | 1,395 | 3,786 | 552358 | 545289 | 544708 | 101.71 | 99.89 | 40,779 | 1755758 |
| 21 | Nandurbar | 712000 | 79 | 598 | 712370 | 712270 | 712270 | 100.04 | 100.00 | 346535 | 6,211 | 5,639 | 6,357 | 921850 | 821758 | 910922 | 262.87 | 110.85 | 40,986 | 1623192 |
| 22 | Nashik | 2635300 | 194 | 2970.28 | 3490475 | 3489475 | 3487790 | 132.35 | 99.95 | 777810 | 17,864 | 4,416 | 556,270 | 1225548 | 923890 | 856375 | 110.10 | 92.69 | 35,406 | 4344165 |
| 23 | Osmanabad | 250000 | 120 | 571.08 | 534180 | 534180 | 532180 | 212.87 | 99.63 | 472900 | 56,730 | 1,954 | 48,531 | 578209 | 446815 | 563453 | 119.15 | 126.10 | 94,935 | 1095633 |
| 24 | Palghar | 1125000 | 144 | 1860.98 | 1647756 | 1639160 | 1634296 | 145.27 | 99.70 | 495000 | 17,916 | 2,281 | 169,544 | 757911 | 547671 | 528322 | 106.73 | 96.47 | 22,437 | 2162618 |
| 25 | Parbhani | 350000 | 40 | 538 | 309600 | 309600 | 309600 | 88.46 | 100.00 | 372260 | 2,746 | 2,999 | 4,148 | 414549 | 404125 | 413312 | 111.03 | 102.27 | 86,294 | 722912 |
| 26 | Pune | 797000 | 117 | 1185.02 | 1016063 | 1014713 | 1011063 | 126.86 | 99.64 | 1413000 | 14,967 | 3,463 | 505,320 | 1514091 | 1375085 | 1266379 | 89.62 | 92.09 | 70,363 | 2277442 |
| 27 | Raigad | 551000 | 158 | 573.71 | 728580 | 728580 | 728580 | 132.23 | 100.00 | 483000 | 14,690 | 2,098 | 122,918 | 451212 | 359128 | 389537 | 80.65 | 108.47 | 28,579 | 1118117 |
| 28 | Ratnagiri | 33487 | 58 | 77.37 | 51832 | 51832 | 38500 | 114.97 | 74.28 | 209025 | 2,142 | 1,851 | 108,842 | 345093 | 312397 | 300577 | 143.80 | 96.22 | 34,156 | 339077 |
| 29 | Sangli | 464000 | 81 | 921.31 | 504606 | 504606 | 504606 | 108.75 | 100.00 | 461000 | 17,155 | 1,510 | 18,969 | 486208 | 457206 | 410057 | 88.95 | 89.69 | 9,801 | 914663 |
| 30 | Satara | 552000 | 110 | 861.03 | 678796 | 678796 | 650983 | 117.93 | 95.90 | 225000 | 15,750 | 1,072 | 45,508 | 319468 | 278952 | 235173 | 104.52 | 84.31 | 2,754 | 886156 |
| 31 | Sindhudurg | 71000 | 27 | 165.21 | 65219 | 65219 | 65219 | 91.86 | 100.00 | 188100 | 2,888 | 2,178 | 7,246 | 551804 | 531276 | 537136 | 285.56 | 101.10 | 22,424 | 602355 |
| 32 | Solapur | 400000 | 62 | 498 | 447400 | 447400 | 447400 | 111.85 | 100.00 | 534000 | 11,444 | 1,256 | 3,824 | 433549 | 410291 | 397190 | 74.38 | 96.81 | 45,279 | 844590 |
| 33 | Thane | 825000 | 177 | 1227.43 | 947484 | 947484 | 944326 | 114.46 | 99.67 | 1003000 | 18,966 | 4,600 | 23,496 | 693843 | 559774 | 363329 | 36.22 | 64.91 | 10,749 | 1307655 |
| 34 | Wardha | 684000 | 155 | 897.27 | 706770 | 706770 | 693189 | 101.34 | 98.08 | 399500 | 16,534 | 1,307 | 34,545 | 620904 | 573596 | 544952 | 136.41 | 95.01 | 16,122 | 1238141 |
| 35 | Washim | 189000 | 43 | 259 | 227810 | 227810 | 225880 | 119.51 | 99.15 | 318500 | 8,417 | 944 | 63 | 397914 | 351189 | 341592 | 107.25 | 97.27 | 31,661 | 567472 |
| 36 | Yavatmal | 1563000 | 169 | 2365.07 | 2310225 | 2280416 | 2280758 | 145.92 | 100.01 | 816000 | 32,895 | 3,874 | 43,170 | 845905 | 684777 | 650791 | 79.75 | 95.04 | 50,281 | 2931549 |
| | TOTAL | 26173370 | 3,659 | 35,399 | 34430302 | 34316905 | 34081019 | 130.21 | 99.31 | 16742442 | 4,85,290 | 90,598 | 24,27,408 | 20978648 | 18439446 | 17306531 | 103.37 | 93.86 | 11,94,732 | 51387550 |

| Table - 4 (Districtwise : Online data including no of sites of Forest and Non Forest Department) | | | | | | | |
|---|-----------------|--|---|---|------------------------------------|-------------------------------|--|
| 13-Crore Plantation Drive (1st-31st July 2018) | | | | | | | |
| Districtwise Final Detail Report Online | | | | | | | |
| Sr. No. | District | No. of Site Registered (As per Data Filled up by all Agencies Forest and non Forest) | Target Seedling (As per Data Filled up by all Agencies Forest and non Forest) | No. of Pits Dug (As per Data Filled up by all Agencies Forest and non Forest) | No. of Seedling Planted | No of Participants | Plantation % Achivement Against Target (As per Data Filled up by all Agencies) |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Ahmednagar | 2,772 | 51,08,370 | 50,15,315 | 48,61,408 | 3,06,543 | 95.17% |
| 2 | Akola | 4,144 | 21,25,903 | 21,03,510 | 20,46,069 | 97,664 | 96.24% |
| 3 | Amravati | 5,818 | 29,04,424 | 27,29,228 | 26,75,694 | 58,189 | 92.12% |
| 4 | Aurangabad | 4,732 | 42,34,736 | 42,06,668 | 38,13,300 | 1,90,465 | 90.05% |
| 5 | Beed | 1,678 | 32,80,561 | 32,66,578 | 31,84,650 | 1,64,332 | 97.08% |
| 6 | Bhandara | 1,645 | 20,69,030 | 19,52,926 | 19,26,818 | 71,189 | 93.13% |
| 7 | Buldhana | 4,737 | 28,66,716 | 26,20,663 | 26,15,863 | 44,262 | 91.25% |
| 8 | Chandrapur | 10,624 | 76,89,774 | 73,22,882 | 70,22,285 | 1,28,804 | 91.32% |
| 9 | Dhule | 2,531 | 44,03,806 | 40,05,121 | 39,78,375 | 23,948 | 90.34% |
| 10 | Gadchiroli | 4,520 | 56,45,700 | 55,60,998 | 54,60,676 | 1,49,207 | 96.72% |
| 11 | Gondia | 4,090 | 35,78,065 | 35,16,681 | 31,61,809 | 1,22,904 | 88.37% |
| 12 | Hingoli | 3,474 | 33,24,604 | 33,20,524 | 33,15,847 | 60,876 | 99.74% |
| 13 | Jalgaon | 7,718 | 46,76,921 | 43,72,652 | 43,51,516 | 1,28,362 | 93.04% |
| 14 | Jalna | 4,416 | 37,71,870 | 37,46,711 | 37,28,979 | 1,48,654 | 98.86% |
| 15 | Kolhapur | 4,682 | 27,29,339 | 27,14,656 | 26,99,189 | 1,74,431 | 98.90% |
| 16 | Latur | 4,203 | 44,25,414 | 44,14,461 | 43,75,652 | 92,248 | 98.88% |
| 17 | Mumbai City | 8 | 1,734 | 345 | 125 | 15 | 7.21% |
| 18 | Mumbai Suburban | 21 | 1,77,239 | 1,77,104 | 1,77,054 | 3,640 | 99.90% |
| 19 | Nagpur | 7,578 | 43,50,575 | 41,94,072 | 36,12,600 | 1,14,443 | 83.04% |
| 20 | Nanded | 2,280 | 78,75,138 | 78,74,773 | 78,74,023 | 1,09,782 | 99.99% |
| 21 | Nandurbar | 4,501 | 48,47,165 | 48,36,830 | 48,35,801 | 1,22,364 | 99.77% |
| 22 | Nashik | 10,959 | 81,12,851 | 76,07,679 | 72,34,067 | 2,20,556 | 89.17% |
| 23 | Osmanabad | 4,924 | 43,65,452 | 41,94,431 | 41,73,890 | 1,68,040 | 95.61% |
| 24 | Palghar | 2,511 | 48,34,917 | 39,37,411 | 40,47,309 | 96,654 | 83.71% |
| 25 | Parbhani | 3,035 | 33,43,340 | 28,29,588 | 26,56,513 | 31,643 | 79.46% |
| 26 | Pune | 6,825 | 53,87,602 | 47,79,571 | 46,34,593 | 1,03,592 | 86.02% |
| 27 | Raigad | 6,423 | 36,33,058 | 33,03,872 | 26,30,299 | 64,730 | 72.40% |
| 28 | Ratnagiri | 1,650 | 12,50,643 | 11,36,124 | 11,28,532 | 24,767 | 90.24% |
| 29 | Sangli | 2,136 | 29,46,189 | 29,38,110 | 29,24,149 | 57,204 | 99.25% |
| 30 | Satara | 1,917 | 27,91,533 | 27,03,806 | 25,99,132 | 51,990 | 93.11% |
| 31 | Sindhudurg | 3,890 | 15,91,404 | 15,69,542 | 15,34,156 | 29,785 | 96.40% |
| 32 | Solapur | 1,887 | 22,25,306 | 21,31,315 | 20,89,491 | 3,21,701 | 93.90% |
| 33 | Thane | 4,723 | 32,39,134 | 30,98,694 | 30,76,186 | 91,623 | 94.97% |
| 34 | Wardha | 1,897 | 38,22,690 | 23,86,546 | 23,47,121 | 38,967 | 61.40% |
| 35 | Washim | 1,159 | 16,79,735 | 15,21,253 | 15,17,885 | 43,832 | 90.36% |
| 36 | Yavatmal | 5,575 | 62,75,861 | 61,26,193 | 59,95,076 | 1,70,267 | 95.53% |
| TOTAL | | 1,45,683 | 13,55,86,799 | 12,82,16,833 | 12,43,06,132 | 38,27,673 | 91.68% |

शा.नि. क्र:- साववि-2018/प्र.क्र.144/फ-11, दि. 6 सप्टेंबर, 2018 सोबतचे

विवरणपत्र

Revenue - District Wise, Agency wise Plantation Target Distrubution Under 33 Crore Plantation Program 2019

| Sr. No. | Implementing Agency Name | Aurangabad | Jalna | Beed | Parbhani | Hingoli | Latur | Osmanabad | Nanded | Aurangabad Revenue division Total |
|---------|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------------------|
| | | Target for 2019 | Target for 2019 | Target for 2019 | Target for 2019 | Target for 2019 | Target for 2019 | Target for 2019 | Target for 2019 | Target for 2019 |
| 1 | Agriculture Department | 997050 | 1906800 | 601150 | 666350 | 581500 | 700550 | 865200 | 221650 | 6540250 |
| 2 | Urban Development Department ** (Except Municipal Corporations) | 206850 | 97100 | 150350 | 24950 | 30000 | 271550 | 434450 | 65000 | 1280250 |
| 3 | Municipal Corporations | 20700 | NA* | NA* | 2500 | NA* | 27150 | NA* | 6500 | 56850 |
| 4 | PWD | 138750 | 100150 | 28100 | 70000 | 23750 | 34950 | 120000 | 2950 | 518650 |
| 5 | Water Resources Department | 155450 | 19400 | 38400 | 51750 | 5100 | 60600 | 141250 | 63800 | 535750 |
| 6 | Co-operation & Marketing Department | 19500 | 10800 | 28100 | 10000 | 13200 | 10000 | 60200 | 4800 | 156600 |
| 7 | Industries Department | 119850 | 18800 | 25200 | 15750 | 25000 | 59000 | 31050 | 47750 | 342400 |
| 8 | School Education Department | 137700 | 49650 | 75000 | 348200 | 75300 | 200000 | 128400 | 65800 | 1080050 |
| 9 | Sports Department | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 | 120000 |
| 10 | Higher Education Department | 24200 | 24200 | 24200 | 24200 | 24200 | 24200 | 24200 | 24200 | 193600 |
| 11 | Technical Education Department | 24200 | 24200 | 24200 | 24200 | 24200 | 24200 | 24200 | 24200 | 193600 |
| 12 | Home Department (Police) | 13500 | 34450 | 20000 | 8700 | 25300 | 3650 | 48550 | 16700 | 170850 |
| 13 | Home Department (Jail) | 21850 | 2800 | 5000 | 5000 | 5000 | 4850 | 9700 | 550 | 54750 |
| 14 | Tribal Development Department | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 2450 | 19600 |
| 15 | Social Justice and Special Assistance | 2250 | 10850 | 10100 | 12200 | 5350 | 1400 | 11300 | 5000 | 58450 |
| 16 | VJNT & OBC welfare Department | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 14400 |
| 17 | Tourism Department | 16300 | 16300 | 16300 | 16300 | 16300 | 16300 | 16300 | 16300 | 130400 |
| 18 | Cultural Affairs Department | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 14400 |
| 19 | Public Health Department | 9450 | 2550 | 53050 | 33450 | 4500 | 14800 | 18550 | 550 | 136900 |
| 20 | Energy Department | 18500 | 19950 | 6200 | 8750 | 4500 | 20000 | 7000 | 4000 | 88900 |
| 21 | Medical education Department | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 2400 |
| 22 | Food and Drug Administration Department | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 2400 |
| 23 | State excise | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 8000 |
| 24 | Transport (RTO) | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 9600 |
| 25 | Transport (MSRTC) | 1850 | 1850 | 1850 | 1850 | 1850 | 1850 | 1850 | 1850 | 14800 |
| 26 | Labor Department | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 5200 |
| 27 | Law and Judiciary Department | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 5200 |
| 28 | Water Conservation Department | 29350 | 19050 | 19750 | 10000 | 10000 | 4800 | 10150 | 10000 | 113100 |
| 29 | Skills development and entrepreneurship | 1750 | 1750 | 1750 | 1750 | 1750 | 1750 | 1750 | 1750 | 14000 |
| 30 | Revenue Department | 3000 | 29650 | 20000 | 29450 | 10600 | 22450 | 9700 | 20000 | 144850 |
| 31 | Women and Child Welfare Department | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 1600 |
| 32 | Water supply and Sanitation | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 7600 |
| 33 | Animal Husbandry Department | 3050 | 350 | 5000 | 9250 | 1700 | 11600 | 12000 | 1850 | 44800 |
| 34 | Dairy Department | 1000 | 1700 | 1000 | 3000 | 550 | 2850 | 4000 | 600 | 14700 |
| 35 | Fisheries Department | 1000 | 100 | 1000 | 3000 | 550 | 2850 | 4000 | 600 | 13100 |
| 36 | Minority welfare department | 8700 | 8700 | 8700 | 8700 | 8700 | 8700 | 8700 | 8700 | 69600 |
| 37 | Finance - GST Department | 900 | 900 | 900 | 900 | 900 | 900 | 900 | 900 | 7200 |
| 38 | Finance - Accounts and Treasury Department | 900 | 900 | 900 | 900 | 900 | 900 | 900 | 900 | 7200 |
| 39 | Rural Development Department (Excluding Grampanchayat) | 363000 | 262400 | 250700 | 1297950 | 38200 | 363000 | 14700 | 4200 | 2594150 |
| 40 | Grampanchayat - 3200 Plants each GPs (RDD) | 2759250 | 2493600 | 3300250 | 2253500 | 1802150 | 2509600 | 1991000 | 4190100 | 21299450 |
| 41 | Housing Department | 1000 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 3100 |
| 42 | Railway under Gol | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 10000 |
| 43 | National Highways under Gol | 4500 | 4500 | 4500 | 4500 | 4500 | 4500 | 4500 | 4500 | 36000 |
| 44 | Defence under Gol | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 2400 |
| 45 | Gol offices In State | 10550 | 10550 | 10550 | 10550 | 10550 | 10550 | 10550 | 10550 | 84400 |
| 46 | Textiles & Sericulture Department | 651700 | 1282300 | 1000000 | 1500000 | 324450 | 2181200 | 2000000 | 1000000 | 9939650 |
| | TOTAL | 5795450 | 6484450 | 5760350 | 6485750 | 3108700 | 6628850 | 6043200 | 5854400 | 46161150 |

*NA - Not Applicable.

**UDD - Includes Municipal Councils, Nagar Panchayats, CIDCO and Various Pradhikarans Like MMRDA, PMRDA, NIT etc.

| Sr. No. | Implementing Agency Name | Nagpur | Wardha | Gondia | Chandrapur | Gadchiroli | Bhandara | Nagpur Revenue division Total |
|---------|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------------------|
| | | Target for 2019 | Target for 2019 | Target for 2019 | Target for 2019 | Target for 2019 | Target for 2019 | Target for 2019 |
| 1 | Agriculture Department | 150850 | 886700 | 718800 | 701850 | 71750 | 174000 | 2703950 |
| 2 | Urban Development Department ** (Except Municipal Corporations) | 23750 | 94000 | 21500 | 508400 | 5750 | 16150 | 669550 |
| 3 | Municipal Corporations | 82450 | NA* | NA* | 96700 | NA* | NA* | 179150 |
| 4 | PWD | 301300 | 217650 | 165750 | 364800 | 19500 | 112200 | 1181200 |
| 5 | Water Resources Department | 173450 | 154850 | 21600 | 152700 | 3650 | 8550 | 514800 |
| 6 | Co-operation & Marketing Department | 4350 | 2950 | 44850 | 92300 | 7250 | 2450 | 154150 |
| 7 | Industries Department | 112350 | 51750 | 18000 | 58150 | 1900 | 7700 | 249850 |
| 8 | School Education Department | 99750 | 534050 | 97950 | 363500 | 166250 | 83250 | 1344750 |
| 9 | Sports Department | 11100 | 59350 | 10900 | 40400 | 18450 | 9250 | 149450 |
| 10 | Higher Education Department | 4975 | 56600 | 850 | 1500 | 8900 | 375 | 73200 |
| 11 | Technical Education Department | 4975 | 56600 | 850 | 1500 | 8900 | 375 | 73200 |
| 12 | Home Department (Police) | 35050 | 118950 | 21750 | 32300 | 12350 | 4650 | 225050 |
| 13 | Home Department (Jail) | 5600 | 4400 | 2000 | 1400 | 2300 | 2800 | 18500 |
| 14 | Tribal Development Department | 17300 | 6600 | 7550 | 61350 | 24750 | 4200 | 121750 |
| 15 | Social Justice and Special Assistance | 2350 | 2350 | 2350 | 2350 | 2350 | 2350 | 14100 |
| 16 | VJNT & OBC welfare Department | 600 | 600 | 600 | 600 | 600 | 600 | 3600 |
| 17 | Tourism Department | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 6000 |
| 18 | Cultural Affairs Department | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 6000 |
| 19 | Public Health Department | 2300 | 30500 | 10150 | 40450 | 13150 | 17000 | 113550 |
| 20 | Energy Department | 350 | 16450 | 1900 | 114950 | 650 | 2250 | 136550 |
| 21 | Medical education Department | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 9000 |
| 22 | Food and Drug Administration Department | 400 | 400 | 400 | 400 | 400 | 400 | 2400 |
| 23 | State excise | 450 | 450 | 450 | 450 | 450 | 450 | 2700 |
| 24 | Transport (RTO) | 1300 | 1300 | 1300 | 1300 | 1300 | 1300 | 7800 |
| 25 | Transport (MSRTC) | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 12000 |
| 26 | Labor Department | 17100 | 14000 | 14000 | 14000 | 14000 | 14000 | 87100 |
| 27 | Law and Judiciary Department | 10050 | 10700 | 1550 | 2200 | 5000 | 5000 | 34500 |
| 28 | Water Conservation Department | 11650 | 50950 | 50400 | 13150 | 25000 | 20000 | 171150 |
| 29 | Skills development and entrepreneurship | 850 | 2450 | 3000 | 15400 | 1150 | 4200 | 27050 |
| 30 | Revenue Department | 9100 | 28300 | 17650 | 28300 | 2800 | 14000 | 100150 |
| 31 | Women and Child Welfare Department | 8750 | 10400 | 10000 | 17750 | 4100 | 5050 | 56050 |
| 32 | Water supply and Sanitation | 13450 | 42200 | 20000 | 17050 | 20000 | 20000 | 132700 |
| 33 | Animal Husbandry Department | 5200 | 9400 | 3200 | 10650 | 750 | 3500 | 32700 |
| 34 | Dairy Department | 1750 | 3150 | 1050 | 3550 | 250 | 1150 | 10900 |
| 35 | Fisheries Department | 1750 | 3150 | 1050 | 3550 | 250 | 1150 | 10900 |
| 36 | Minority welfare department | 8700 | 8700 | 8700 | 8700 | 8700 | 8700 | 52200 |
| 37 | Finance - GST Department | 700 | 700 | 700 | 700 | 700 | 700 | 4200 |
| 38 | Finance - Accounts and Treasury Department | 700 | 700 | 700 | 700 | 700 | 700 | 4200 |
| 39 | Rural Development Department (Excluding Grampanchayat) | 240000 | 141000 | 120000 | 246000 | 244300 | 120000 | 1111300 |
| 40 | Grampanchayat - 3200 Plants each GPs (RDD) | 2506400 | 1661300 | 1747750 | 2647250 | 1459650 | 1731750 | 11754100 |
| 41 | Housing Department | 700 | 700 | 700 | 700 | 700 | 700 | 4200 |
| 42 | Railway under Gol | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 7500 |
| 43 | National Highways under Gol | 500 | 500 | 500 | 500 | 500 | 500 | 3000 |
| 44 | Defence under Gol | 8450 | 10000 | 14050 | 18100 | 10000 | 25100 | 85700 |
| 45 | Gol offices In State | 3700 | 8400 | 10000 | 10000 | 10000 | 10000 | 52100 |
| 46 | Textiles & Sericulture Department | 1205050 | 1452250 | 0 | 0 | 0 | 550 | 2657850 |
| | TOTAL | 5096300 | 5762200 | 3181250 | 5702350 | 2185900 | 2443800 | 24371800 |

*NA - Not Applicable.

**UDD - Includes Municipal Councils, Nagar Panchayats, CIDCO and Various Pradhikarans Like MMRDA, PMRDA, NIT etc.

| Sr. No. | Implementing Agency Name | Amravati | Akola | Washim | Yavatmal | Buldhana | Amravati Revenue division Total |
|---------|--|-----------------|-----------------|-----------------|-----------------|-----------------|---------------------------------|
| | | Target for 2019 | Target for 2019 | Target for 2019 | Target for 2019 | Target for 2019 | Target for 2019 |
| 1 | Agriculture Department | 135150 | 440700 | 217500 | 407650 | 397300 | 1598300 |
| 2 | Urban Development Department ** (Except Municipal Corporations) | 64100 | 88500 | 34850 | 109550 | 138850 | 435850 |
| 3 | Municipal Corporations | 20300 | 16300 | NA* | NA* | NA* | 36600 |
| 4 | PWD | 500150 | 121750 | 161750 | 411600 | 10400 | 1205650 |
| 5 | Water Resources Department | 67850 | 35400 | 24800 | 182550 | 4200 | 314800 |
| 6 | Co-operation & Marketing Department | 7050 | 18750 | 5000 | 5900 | 7950 | 44650 |
| 7 | Industries Department | 176050 | 134750 | 600 | 33950 | 30900 | 376250 |
| 8 | School Education Department | 151550 | 49200 | 24700 | 70600 | 317400 | 613450 |
| 9 | Sports Department | 16850 | 5450 | 2750 | 7850 | 35250 | 68150 |
| 10 | Higher Education Department | 3475 | 350 | 7625 | 875 | 425 | 12750 |
| 11 | Technical Education Department | 3475 | 350 | 7625 | 875 | 425 | 12750 |
| 12 | Home Department (Police) | 17650 | 19750 | 6100 | 5850 | 28100 | 77450 |
| 13 | Home Department (Jail) | 27250 | 4200 | 400 | 550 | 850 | 33250 |
| 14 | Tribal Development Department | 32500 | 28100 | 600 | 79150 | 4200 | 144550 |
| 15 | Social Justice and Special Assistance | 18760 | 1760 | 2760 | 11600 | 4840 | 39720 |
| 16 | VJNT & OBC welfare Department | 4690 | 440 | 690 | 2900 | 1210 | 9930 |
| 17 | Tourism Department | 1000 | 1000 | 1000 | 1000 | 1000 | 5000 |
| 18 | Cultural Affairs Department | 1000 | 1000 | 1000 | 1000 | 1000 | 5000 |
| 19 | Public Health Department | 23400 | 9000 | 17250 | 10800 | 6300 | 66750 |
| 20 | Energy Department | 3550 | 14850 | 13350 | 7850 | 7750 | 47350 |
| 21 | Medical education Department | 500 | 500 | 500 | 500 | 500 | 2500 |
| 22 | Food and Drug Administration Department | 500 | 500 | 500 | 500 | 500 | 2500 |
| 23 | State excise | 2650 | 350 | 550 | 1100 | 2800 | 7450 |
| 24 | Transport (RTO) | 1000 | 100 | 1000 | 2300 | 1200 | 5600 |
| 25 | Transport (MSRTC) | 1500 | 150 | 1500 | 3450 | 1750 | 8350 |
| 26 | Labor Department | 500 | 500 | 500 | 500 | 500 | 2500 |
| 27 | Law and Judiciary Department | 13100 | 9950 | 11250 | 2400 | 300 | 37000 |
| 28 | Water Conservation Department | 25300 | 14050 | 15000 | 28150 | 24650 | 107150 |
| 29 | Skills development and entrepreneurship | 5450 | 5600 | 5000 | 5350 | 5600 | 27000 |
| 30 | Revenue Department | 21500 | 13500 | 8550 | 34550 | 28100 | 106200 |
| 31 | Women and Child Welfare Department | 9200 | 3700 | 5650 | 21200 | 8950 | 48700 |
| 32 | Water supply and Sanitation | 6350 | 8600 | 7950 | 6250 | 6000 | 35150 |
| 33 | Animal Husbandry Department | 11550 | 5300 | 2750 | 5900 | 8450 | 33950 |
| 34 | Dairy Department | 3850 | 1750 | 900 | 1950 | 2800 | 11250 |
| 35 | Fisheries Department | 3850 | 1750 | 900 | 1950 | 2800 | 11250 |
| 36 | Minority welfare department | 8700 | 8700 | 8700 | 8700 | 8700 | 43500 |
| 37 | Finance - GST Department | 750 | 750 | 750 | 750 | 750 | 3750 |
| 38 | Finance - Accounts and Treasury Department | 750 | 750 | 750 | 750 | 750 | 3750 |
| 39 | Rural Development Department (Excluding Grampanchayat) | 48000 | 15000 | 1500 | 9300 | 2600 | 76400 |
| 40 | Grampanchayat - 3200 Plants each GPs (RDD) | 2688850 | 1706150 | 1571700 | 3844400 | 2784850 | 12595950 |
| 41 | Housing Department | 500 | 500 | 500 | 500 | 500 | 2500 |
| 42 | Railway under Gol | 1250 | 1250 | 1250 | 1250 | 1250 | 6250 |
| 43 | National Highways under Gol | 4500 | 4500 | 4500 | 4500 | 4500 | 22500 |
| 44 | Defence under Gol | 500 | 500 | 500 | 500 | 500 | 2500 |
| 45 | Gol offices In State | 500 | 500 | 500 | 500 | 500 | 2500 |
| 46 | Textiles & Sericulture Department | 100000 | 100000 | 100000 | 525550 | 100000 | 925550 |
| | TOTAL | 4236900 | 2896500 | 2283500 | 5864850 | 3998150 | 19279900 |

*NA - Not Applicable.

**UDD - Includes Municipal Councils, Nagar Panchayats, CIDCO and Various Pradhikarans Like MMRDA, PMRDA, NIT etc.

| Sr. No. | Implementing Agency Name | Nashik | Ahamadnager | Dhule | Jalgaon | Nandurbar | Nashik Revenue division Total |
|---------|--|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------------------|
| | | Target for 2019 | Target for 2019 | Target for 2019 | Target for 2019 | Target for 2019 | Target for 2019 |
| 1 | Agriculture Department | 684800 | 672100 | 235750 | 162150 | 292650 | 2047450 |
| 2 | Urban Development Department ** (Except Municipal Corporations) | 171300 | 188750 | 144300 | 132500 | 5600 | 642450 |
| 3 | Municipal Corporations | 81650 | 22450 | 126400 | 25300 | NA* | 255800 |
| 4 | PWD | 398100 | 64150 | 91700 | 126700 | 39600 | 720250 |
| 5 | Water Resources Department | 158700 | 62750 | 20400 | 138000 | 350 | 380200 |
| 6 | Co-operation & Marketing Department | 35550 | 17000 | 17500 | 61050 | 13000 | 144100 |
| 7 | Industries Department | 51950 | 4450 | 12650 | 29800 | 400 | 99250 |
| 8 | School Education Department | 114850 | 72400 | 12450 | 111400 | 35550 | 346650 |
| 9 | Sports Department | 12750 | 8050 | 1400 | 12400 | 3950 | 38550 |
| 10 | Higher Education Department | 3075 | 11150 | 500 | 1925 | 900 | 17550 |
| 11 | Technical Education Department | 3075 | 11150 | 500 | 1925 | 900 | 17550 |
| 12 | Home Department (Police) | 54050 | 2800 | 4850 | 8450 | 4300 | 74450 |
| 13 | Home Department (Jail) | 29500 | 500 | 500 | 500 | 500 | 31500 |
| 14 | Tribal Development Department | 12350 | 10000 | 15950 | 55150 | 50900 | 144350 |
| 15 | Social Justice and Special Assistance | 3000 | 3000 | 3000 | 3000 | 3000 | 15000 |
| 16 | VJNT & OBC welfare Department | 700 | 700 | 700 | 700 | 700 | 3500 |
| 17 | Tourism Department | 1600 | 1600 | 1600 | 1600 | 1600 | 8000 |
| 18 | Cultural Affairs Department | 500 | 500 | 500 | 500 | 500 | 2500 |
| 19 | Public Health Department | 3200 | 3500 | 1450 | 46000 | 500 | 54650 |
| 20 | Energy Department | 8900 | 200 | 500 | 21300 | 500 | 31400 |
| 21 | Medical education Department | 500 | 500 | 500 | 500 | 500 | 2500 |
| 22 | Food and Drug Administration Department | 500 | 500 | 500 | 500 | 500 | 2500 |
| 23 | State excise | 300 | 11450 | 500 | 500 | 500 | 13250 |
| 24 | Transport (RTO) | 4450 | 650 | 500 | 1300 | 500 | 7400 |
| 25 | Transport (MSRTC) | 6650 | 950 | 500 | 1900 | 500 | 10500 |
| 26 | Labor Department | 15350 | 87900 | 500 | 500 | 500 | 104750 |
| 27 | Law and Judiciary Department | 4350 | 500 | 300 | 3250 | 500 | 8900 |
| 28 | Water Conservation Department | 35450 | 4850 | 11900 | 4650 | 24850 | 81700 |
| 29 | Skills development and entrepreneurship | 100 | 500 | 4700 | 7500 | 500 | 13300 |
| 30 | Revenue Department | 3150 | 45200 | 5550 | 14900 | 3150 | 71950 |
| 31 | Women and Child Welfare Department | 32350 | 500 | 500 | 1050 | 13600 | 48000 |
| 32 | Water supply and Sanitation | 9300 | 500 | 2900 | 1400 | 500 | 14600 |
| 33 | Animal Husbandry Department | 8700 | 13100 | 4400 | 3950 | 4300 | 34450 |
| 34 | Dairy Department | 2900 | 4350 | 1450 | 1300 | 1450 | 11450 |
| 35 | Fisheries Department | 2900 | 4350 | 1450 | 1300 | 1450 | 11450 |
| 36 | Minority welfare department | 8700 | 8700 | 8700 | 8700 | 8700 | 43500 |
| 37 | Finance - GST Department | 2900 | 2850 | 500 | 500 | 500 | 7250 |
| 38 | Finance - Accounts and Treasury Department | 2900 | 2850 | 500 | 500 | 500 | 7250 |
| 39 | Rural Development Department (Excluding Grampanchayat) | 60300 | 5400 | 2200 | 18000 | 18000 | 103900 |
| 40 | Grampanchayat - 3200 Plants each GPs (RDD) | 4423800 | 4199700 | 1731750 | 3677950 | 1904600 | 15937800 |
| 41 | Housing Department | 950 | 950 | 950 | 950 | 950 | 4750 |
| 42 | Railway under Gol | 1250 | 1250 | 1250 | 1250 | 1250 | 6250 |
| 43 | National Highways under Gol | 500 | 500 | 500 | 500 | 500 | 2500 |
| 44 | Defence under Gol | 500 | 8150 | 500 | 500 | 500 | 10150 |
| 45 | Gol offices In State | 37700 | 500 | 500 | 500 | 500 | 39700 |
| 46 | Textiles & Sericulture Department | 0 | 0 | 0 | 648900 | 0 | 648900 |
| | TOTAL | 6496050 | 5563850 | 2476100 | 5343100 | 2444700 | 22323800 |

*NA - Not Applicable.

**UDD - Includes Municipal Councils, Nagar Panchayats, CIDCO and Various Pradhikarans Like MMRDA, PMRDA, NIT etc.

| Sr. No. | Implementing Agency Name | Ratnagiri | Sindhudurg | Thane | Raigad | Palgher | Mumbai City | Mumbai Suburbab | Kokan Revenue division Total |
|---------|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------------------|
| | | Target for 2019 | Target for 2019 | Target for 2019 | Target for 2019 | Target for 2019 | Target for 2019 | Target for 2019 | Target for 2019 |
| 1 | Agriculture Department | 738350 | 573500 | 366700 | 348400 | 238950 | 0 | 0 | 2265900 |
| 2 | Urban Development Department ** (Except Municipal Corporations) | 47000 | 11250 | 295800 | 59650 | 220200 | 0 | 0 | 633900 |
| 3 | Municipal Corporations | NA* | NA* | 219750 | 15050 | 195000 | 12100 | 124850 | 566750 |
| 4 | PWD | 11150 | 4450 | 62450 | 2450 | 24600 | 1250 | 0 | 106350 |
| 5 | Water Resources Department | 17300 | 850 | 500 | 11100 | 5700 | 0 | 0 | 35450 |
| 6 | Co-operation & Marketing Department | 20900 | 16350 | 500 | 650 | 1250 | 0 | 0 | 39650 |
| 7 | Industries Department | 500 | 500 | 11250 | 102450 | 32850 | 0 | 0 | 147550 |
| 8 | School Education Department | 120850 | 2600 | 120800 | 2600 | 143300 | 1900 | 0 | 392050 |
| 9 | Sports Department | 13450 | 300 | 13400 | 300 | 15900 | 200 | 0 | 43550 |
| 10 | Higher Education Department | 500 | 500 | 500 | 500 | 775 | 1600 | 175 | 4550 |
| 11 | Technical Education Department | 500 | 500 | 500 | 500 | 775 | 1600 | 175 | 4550 |
| 12 | Home Department (Police) | 2650 | 700 | 8150 | 8650 | 500 | 7200 | 550 | 28400 |
| 13 | Home Department (Jail) | 500 | 500 | 500 | 500 | 500 | 0 | 0 | 2500 |
| 14 | Tribal Development Department | 300 | 500 | 28100 | 300 | 93400 | 0 | 0 | 122600 |
| 15 | Social Justice and Special Assistance | 500 | 500 | 500 | 500 | 1760 | 0 | 0 | 3760 |
| 16 | VJNT & OBC welfare Department | 500 | 500 | 500 | 500 | 440 | 0 | 0 | 2440 |
| 17 | Tourism Department | 500 | 550 | 500 | 500 | 500 | 0 | 0 | 2550 |
| 18 | Cultural Affairs Department | 500 | 500 | 500 | 500 | 500 | 0 | 0 | 2500 |
| 19 | Public Health Department | 4600 | 750 | 23600 | 70100 | 250 | 300 | 0 | 99600 |
| 20 | Energy Department | 3000 | 500 | 350 | 8700 | 7900 | 50 | 0 | 20500 |
| 21 | Medical education Department | 550 | 500 | 500 | 500 | 500 | 0 | 0 | 2550 |
| 22 | Food and Drug Administration Department | 150 | 500 | 500 | 500 | 500 | 0 | 0 | 2150 |
| 23 | State excise | 750 | 500 | 500 | 1950 | 8550 | 150 | 0 | 12400 |
| 24 | Transport (RTO) | 300 | 100 | 1350 | 1750 | 500 | 0 | 0 | 4000 |
| 25 | Transport (MSRTC) | 450 | 150 | 2000 | 2650 | 500 | 0 | 0 | 5750 |
| 26 | Labor Department | 550 | 500 | 6000 | 8600 | 9350 | 0 | 0 | 25000 |
| 27 | Law and Judiciary Department | 500 | 500 | 500 | 500 | 500 | 0 | 0 | 2500 |
| 28 | Water Conservation Department | 500 | 500 | 500 | 500 | 500 | 0 | 0 | 2500 |
| 29 | Skills development and entrepreneurship | 500 | 500 | 500 | 500 | 500 | 0 | 0 | 2500 |
| 30 | Revenue Department | 4050 | 1500 | 2000 | 82200 | 87350 | 0 | 0 | 177100 |
| 31 | Women and Child Welfare Department | 3850 | 500 | 11500 | 32600 | 8450 | 300 | 0 | 57200 |
| 32 | Water supply and Sanitation | 100 | 500 | 500 | 7750 | 8600 | 0 | 0 | 17450 |
| 33 | Animal Husbandry Department | 1500 | 850 | 6150 | 2850 | 10200 | 850 | 0 | 22400 |
| 34 | Dairy Department | 500 | 300 | 2050 | 950 | 3400 | 300 | 0 | 7500 |
| 35 | Fisheries Department | 500 | 300 | 2050 | 950 | 3400 | 300 | 0 | 7500 |
| 36 | Minority welfare department | 8700 | 8700 | 8700 | 8700 | 8700 | 8700 | 8700 | 60900 |
| 37 | Finance - GST Department | 500 | 500 | 8800 | 500 | 5200 | 0 | 0 | 15500 |
| 38 | Finance - Accounts and Tresury Department | 500 | 500 | 8800 | 500 | 5200 | 0 | 0 | 15500 |
| 39 | Rural Development Department (Excluding Grampanchayat) | 40400 | 199200 | 42100 | 764800 | 95800 | 0 | 0 | 1142300 |
| 40 | Grampanchayat - 3200 Plants each GPs (RDD) | 2711250 | 1373250 | 1376450 | 2583200 | 1514050 | 0 | 0 | 9558200 |
| 41 | Housing Department | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 3500 |
| 42 | Railway under Gol | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 8750 |
| 43 | National Highways under Gol | 500 | 500 | 500 | 4200 | 56200 | 0 | 0 | 61900 |
| 44 | Defence under Gol | 500 | 500 | 500 | 500 | 500 | 0 | 0 | 2500 |
| 45 | Gol offices In State | 500 | 500 | 500 | 500 | 5700 | 0 | 0 | 7700 |
| 46 | Textiles & Sericulture Department | 0 | 150000 | 0 | 0 | 0 | 0 | 0 | 150000 |
| | TOTAL | 3762900 | 2358900 | 2639550 | 4143300 | 2820950 | 38550 | 136200 | 15900350 |

*NA - Not Applicable.

**UDD - Includes Municipal Councils, Nagar Panchayats, CIDCO and Various Pradhikarans Like MMRDA, PMRDA, NIT etc.

| Sr. No. | Implementing Agency Name | Pune | Solapur | Satara | Sangli | Kolhapur | Pune Revenue division Total |
|---------|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------------|
| | | Target for 2019 | Target for 2019 | Target for 2019 | Target for 2019 | Target for 2019 | Target for 2019 |
| 1 | Agriculture Department | 927650 | 209700 | 496850 | 784800 | 343750 | 2762750 |
| 2 | Urban Development Department ** (Except Municipal Corporations) | 342600 | 31550 | 20350 | 298300 | 108500 | 801300 |
| 3 | Municipal Corporations | 273200 | 220000 | NA* | 70250 | 10900 | 574350 |
| 4 | PWD | 345600 | 9250 | 110500 | 151700 | 161500 | 778550 |
| 5 | Water Resources Department | 136900 | 48650 | 21850 | 23050 | 35850 | 266300 |
| 6 | Co-operation & Marketing Department | 38850 | 1550 | 500 | 210950 | 125050 | 376900 |
| 7 | Industries Department | 61800 | 2800 | 55600 | 135550 | 74250 | 330000 |
| 8 | School Education Department | 104150 | 2600 | 46650 | 33450 | 102350 | 289200 |
| 9 | Sports Department | 11550 | 300 | 5200 | 3700 | 11350 | 32100 |
| 10 | Higher Education Department | 500 | 8925 | 6025 | 16075 | 19825 | 50850 |
| 11 | Technical Education Department | 500 | 8925 | 6025 | 16075 | 19825 | 50850 |
| 12 | Home Department (Police) | 22750 | 5600 | 500 | 13400 | 16650 | 58900 |
| 13 | Home Department (Jail) | 500 | 500 | 150 | 5900 | 2800 | 9850 |
| 14 | Tribal Development Department | 500 | 1400 | 500 | 500 | 500 | 3400 |
| 15 | Social Justice and Special Assistance | 500 | 500 | 500 | 22480 | 6880 | 29360 |
| 16 | VJNT & OBC welfare Department | 500 | 500 | 500 | 5620 | 1720 | 7340 |
| 17 | Tourism Department | 1200 | 500 | 500 | 500 | 1150 | 3850 |
| 18 | Cultural Affairs Department | 150 | 500 | 500 | 500 | 150 | 1800 |
| 19 | Public Health Department | 8100 | 11500 | 500 | 5150 | 5500 | 30750 |
| 20 | Energy Department | 850 | 500 | 500 | 400 | 500 | 2750 |
| 21 | Medical education Department | 500 | 450 | 500 | 450 | 500 | 2400 |
| 22 | Food and Drug Administration Department | 500 | 100 | 500 | 100 | 500 | 1700 |
| 23 | State excise | 1000 | 11250 | 500 | 5600 | 2400 | 20750 |
| 24 | Transport (RTO) | 750 | 500 | 500 | 2650 | 200 | 4600 |
| 25 | Transport (MSRTC) | 1150 | 500 | 500 | 3950 | 300 | 6400 |
| 26 | Labor Department | 500 | 500 | 500 | 500 | 1400 | 3400 |
| 27 | Law and Judiciary Department | 300 | 500 | 500 | 150 | 14050 | 15500 |
| 28 | Water Conservation Department | 500 | 500 | 500 | 6500 | 5050 | 13050 |
| 29 | Skills development and entrepreneurship | 500 | 500 | 450 | 500 | 3000 | 4950 |
| 30 | Revenue Department | 395800 | 500 | 150 | 23900 | 68850 | 489200 |
| 31 | Women and Child Welfare Department | 14800 | 500 | 1000 | 500 | 1400 | 18200 |
| 32 | Water supply and Sanitation | 1350 | 1700 | 500 | 500 | 4600 | 8650 |
| 33 | Animal Husbandry Department | 250 | 850 | 2150 | 8050 | 1200 | 12500 |
| 34 | Dairy Department | 500 | 500 | 500 | 2000 | 500 | 4000 |
| 35 | Fisheries Department | 500 | 500 | 500 | 2000 | 500 | 4000 |
| 36 | Minority welfare department | 8700 | 8700 | 8700 | 8700 | 8700 | 43500 |
| 37 | Finance - GST Department | 500 | 550 | 500 | 500 | 1000 | 3050 |
| 38 | Finance - Accounts and Treasury Department | 500 | 550 | 500 | 500 | 1000 | 3050 |
| 39 | Rural Development Department (Excluding Grampanchayat) | 410100 | 700900 | 66000 | 56700 | 51900 | 1285600 |
| 40 | Grampanchayat - 3200 Plants each GPs (RDD) | 4478200 | 3293850 | 4788700 | 2237500 | 3287450 | 18085700 |
| 41 | Housing Department | 500 | 500 | 500 | 500 | 500 | 2500 |
| 42 | Railway under Gol | 1250 | 1250 | 1250 | 1250 | 1250 | 6250 |
| 43 | National Highways under Gol | 500 | 4450 | 500 | 500 | 500 | 6450 |
| 44 | Defence under Gol | 500 | 500 | 500 | 500 | 700 | 2700 |
| 45 | Gol offices In State | 4800 | 300 | 500 | 500 | 500 | 6600 |
| 46 | Textiles & Sericulture Department | 0 | 835700 | 726150 | 338500 | 633450 | 2533800 |
| | TOTAL | 7602800 | 5432350 | 6376750 | 4501350 | 5140400 | 29053650 |

*NA - Not Applicable.

**UDD - Includes Municipal Councils, Nagar Panchayats, CIDCO and Various Pradhikarans Like MMRDA, PMRDA, NIT etc.

Annexure I

Prioritywise Polluted River Stretches as per CPCB Report September 2018

| Priority I (9) | Priority II (6) | Priority III (14) | Priority IV (10) | Priority V (14) | |
|----------------|-----------------|-------------------|------------------|-----------------|--|
| GODAVARI | BHIMA | GHOD | BINDUSAR | AMBA | |
| KALU | INDRAYANI | KANHAN | BORI | BHATSA | |
| KUNDALIKA | MULA-MUTHA | KOLAR (MAH) | CHANDRABHAGA | GOMAI | |
| MITHI | PAWANA | KRISHNA | DARNA | KAN | |
| MORNA | WAINGANGA | MOR | GIRNA | MANJEERA | |
| MULA | WARDHA | PATALGANGA | HIWARA | PANCHGANGA | |
| MUTHA | | PEDHI | KOYNA | PANZARA | |
| NIRA | | PENGANGA | PEHLAR | RANGAVALI | |
| VEL | | PURNA | SINA | SAVITRI | |
| | | TAPI | TITUR | SURYA | |
| | | URMODI | | TANSA | |
| | | VENNA | | ULHAS | |
| | | WAGHUR | | VAITARNA | |
| | | WENA | | VASHISTI | |

Based on data of 2018 Prioritywise Polluted River Stretches as on January 2019

| Priority I (4) | Priority II (4) | Priority III (8) | Priority IV (10) | Priority V (15) | Meeting to Bathing standards (3) |
|----------------|-----------------|------------------|------------------|-----------------|----------------------------------|
| GODAVARI | BHIMA | INDRAYANI | DARNA | AMBA | PANCHGANGA |
| MITHI | KALU | KANHAN | KOLAR | BHATSA | URMODI |
| MORNA | KUNDALIKA | MULA | KRISHNA | BINDUSAR | VASHISTI |
| WAINGANGA | MUTHA | MULA-MUTHA | NIRA | CHANDRABHAGA | |
| | | PAWANA | PANZARA | GHOD | |
| | | PEDHI | PATALGANGA | KOYNA | |
| | | PURNA | PENGANGA | MANZARA | |
| | | WARDHA | RANGAVALI | PEHLAR | |
| | | | TAPI | SAVITRI | |
| | | | VEL | SURYA | |
| | | | | TANSA | |
| | | | | ULHAS | |
| | | | | VAITARNA | |
| | | | | VENNA | |
| | | | | WENA | |

Dry river stretches : BORI, GIRNA, GOMAI, HIWARA, KAN, MOR, SINA, TITUR, WAGHUR

Annexure II

Proactive Steps taken by the Board regarding 25% Budget Provision to be kept for the Sewage Management and Solid Wastes Management

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The Maharashtra Pollution Control Board has taken proactive action for protection of Environment under the Environment (Protection) Act, 1986 by issuing Directions u/s 33A of the Water (Prevention and Control of Pollution) Act, 1974 r/w 24, 25/26 of the Water (Prevention and Control of Pollution) act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 with Solid Wastes Management Rules vide letter dated 26.12.2014, 10.10.2016, 21.7.2016, 4.8.2017, 25.10.2018 and 23.1.2019 to the local bodies

Maharashtra state has 27 Municipal Corporations and are generating about 87% domestic sewage and remaining Local Bodies generate 13% domestic sewage. Therefore MPCB has concentrated on these 27 Municipal Corporations. The solid waste and sewage is not scientifically treated and disposed. Majority of the Local Bodies expressed financial incapability to provide waste management facilities. Hence, the Board has issued Direction u/s 33A of the Water (Prevention and Control of Pollution) Act, 1974 directing the local bodies to make 25% budgetary provision for scientific treatment and disposal of Sewage and Solid Waste.

Accordingly Municipal Corporations have passed resolution in their General Body meeting and reserved the funds. The utilisation of the said funds is reviewed from time to time. These funds are reserved and made mandatory to utilise for preparation of DPR, establishing treatment facility, O & M of treatment facility etc. The review of the same is taken from time to time by the Board. The details of Municipal Corporations is enclosed.

....

25 % budgetary provision made by Municipal Corporations (in Cr)

| Sr. No. | Name of Municipal corporations | Financial Year 2015-16 (Provision) | Financial Year 2015-16 (Expenditure) | Financial Year 2016-17 (Provision) | Financial Year 2016-17 (Expenditure) | Financial Year 2017-18 (Provision) | Financial Year 2017-18 (Expenditure) |
|----------------|---------------------------------------|---|--|---|---|---|---|
| 1 | Ulhasnagar Municipal corporation | 174.31 | 31.5 | 164 | 40.94 | 39.6 | 26.76 |
| 2 | Nagpur Municipal corporation | 267.47 | 146.98 | 248.42 | 185.57 | 220.22 | 12.1 |
| 3 | Thane Municipal Corporation | 175.69 | 114.32 | 226.75 | 111.99 | 290.3 | 59.35 |
| 4 | Mira Bhainder Municipal corporation | 156.75 | 271.78 | 125.1 | 173.44 | 206.33 | 138.53 |
| 5 | Vasi Virar Municipal Corporation | 141.45 | 110 | 163.21 | 113.17 | 128.98 | 12.86 |
| 6 | Parbhni Municipal Corporation | NIL | NIL | 23.75 | 4.76 | 5 | 0.87 |
| 7 | Pune Municipal Corporation | 5600 | 387 | 1437 | 323 | 498.59 | 291.79 |
| 8 | Amravati Municipal corporation | 15 | Not utilized | 15 | Not utilized | 10 | 0.5 |
| 9 | Akola Municipal Corpartion | 3 from corporation fund | 5.48 (Funds utilized from 13th finance commission) | 2 | Funds utilized from 14th finance commission | Not Reserved | 26.16 Lakh funds utilized from 14th finance commission |

| | | | | | | | |
|----|---------------------------------------|---------|-----------|---------|------------|------------|-----------|
| 10 | Sangli Municipal Corporation | 15 | 10.98 | 22 | 4.6001 | 40 | 0.79 |
| 11 | Kolhapur Municipal Corporation | 54.55 | 26.32 | 121 | 46.62 | 54.94 | 7.73 |
| 12 | Solapur Municipal Corporation | 1236.23 | 27.75 | 324.3 | 32.97 | 309.91 | 29.52 |
| 13 | Latur Municipal Corporation | 7.6 | 5.4 | 8.1 | 5.81 | 9.2 | 8.33 |
| 14 | Navi Mumbai Municipal Corporation | 319.14 | 203.61 | 246.65 | 133.91 | 473.58 | Nil |
| 15 | Dhule Municipal Corporation | 28.18 | 21.93 | 40.7 | 31.42 | 28.83 | NIL |
| 16 | Jalgaoan Municipal Corporation | 5 | NIL | 17.5 | 0.05 | 1.87 | |
| 17 | Chandrapur Municipal Corporation | 32lakh | 6.73 Lakh | 32 Lakh | 16.56 Lakh | 64.54 Lakh | 9.32 Lakh |
| 18 | Kalyan Dombavli Municipal Corporation | 27.25 | 8.86 | 49.5 | 23.24 | 50 | 7.24 |
| 19 | Ahemednager Municipal Corporation | 49.95 | 6.75 | 71.11 | 2.5 | 15 | 2.5 |
| 20 | Bhivandi Municipal Corporation | 69 | 26.88 | 151.03 | 30.17 | 95 | 78.98 |
| 21 | Panvel Municipal Corporation | 16.19 | 15.79 | 33.27 | 4.11 | 10.86 | 3.38 |
| 22 | Pimpri Municipal Corporation | 1000 | 9.14 | 297.36 | 101.46 | 169.11 | 152.2 |
| 23 | Nanded Municipal Corporation | 38 | 4.8 | 43 | 62.92 | 16.9 | 16.92 |
| 24 | Aurangabad Municipal Corporation | 84.5 | 26.41 | 76.85 | 14.19 | 50 | |

| | | | | | | | |
|----|---------------------------------|---------|---------|---------|--------|---------|--------|
| 25 | Nashik Municipal Corporation | 174.75 | 31 | 136.43 | 136 | 150.66 | 137.53 |
| 26 | Malegaoan Municipal Corporation | 37.37 | 17.37 | 31.02 | 22.52 | 48.18 | 53.45 |
| 27 | Mumbai Municipal Corporation | 2970.09 | 1077.76 | 3365.17 | 950.78 | 2097.42 | 897 |

Annexure-III

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

In the state of Maharashtra there are total 271 local bodies , comprising of 27 Municipal Corporations, 16- ‘A’ Class Municipal Council, 54- ‘B’ Class Municipal Council, 154- ‘C’ Class Municipal Council, 14- Nagar Panchayat, 06-Cantonment Board generating about 22897.83 MT of municipal solid waste every day, of which the contribution in terms of percentage by the corporation is 84.72 %, by A class council is 4.25 %, by B class council is 5.04 % , by C Class Council is 5.07 % and by Others is 0.96 %. The overall percentage of treatment is 34.70 % i.e. 7945.544 MT/day quantity is treated and the remaining is disposed in an unscientific manner. Out of 27 Municipal corporations, 24 Corporations have obtained Authorization from MPCB for 22 Nos of approved sites having processing & disposal facilities and same are in operations. 109 Nos. of Municipal Councils having partially processing & disposal facilities.

Maharashtra Pollution Control Board has prepared a summary statement of all local bodies indicating class, populations, Quantum of Solid Waste generations, status of Authorization and Form-II submission by the local bodies. The Region wise abstract along with summery statement in the state of Maharashtra is enclosed.

The total generation of Solid Waste is **22897.83** MT/day in which terms of total waste generation in the corporation is **84.72 %**, A class council is **4.25 %**, B and C Class Council is **5.04 %** and **5.07 %** respectively and others is **0.96 %**. The Statement of Municipal Solid Waste generation in MT/day in the State is enclosed.

The present status of local bodies in the State of Maharashtra is enclosed.

MAHARASHTRA POLLUTION CONTROL BOARD

STATUS OF ULB's WITH RESPECT TO MSW RULES IN THE STATE OF MAHARASHTRA (REGIONWISE ABSTRACT)

| Sr. No. | Name of Region | No. of ULBs |
|---------|--------------------|--------------|
| 1 | Mumbai | 01 |
| 2 | Navi Mumbai | 02 |
| 3 | Thane | 06 |
| 4 | Kalyan | 07 |
| 5 | Raigad | 10 |
| 6 | Kolhapur | 26 |
| 7 | Pune | 37 |
| 8 | Nashik | 48 |
| 9 | Amravati | 32 |
| 10 | Aurangabad | 59 |
| 11 | Nagpur | 22 |
| 12 | Chandrapur | 21 |
| | Total | # 271 |

271 Local Bodies' (251 Corporations / Councils + 6 Cantonment Boards + 14 Nagar Panchayats)

Municipal Solid Waste Generation (MT/day) in the State of Maharashtra.

| Region | Corporation | “A” Class | “B” Class | “C” Class | NP/Cant./ other |
|--------------|----------------|--------------|----------------|-----------------|--------------------|
| Mumbai | 7500.0 | - | - | - | -- |
| Navi Mumbai | 750.0 | - | - | 11.0 | -- |
| Thane | 1890.0 | -- | 36.0 | 3.0 | -- |
| Kalyan | 1560.0 | 221.0 | - | -- | 14.5 |
| Raigad | 90.0 | - | 28.0 | 61.96 | -- |
| Kolhapur | 420.0 | 140.0 | 104.0 | 105.25 | 15.5 |
| Pune | 3315.0 | 143.0 | 171.46 | 175.515 | 98.0 |
| Nashik | 1268 | 98.0 | 286.4 | 174.4 | 70.78 |
| Amravati | 420.0 | 30.0 | 164.1 | 115.4 | -- |
| Aurangabad | 948.0 | 188.0 | 158.03 | 308.41 | 21.5 |
| Nagpur | 1100.0 | 112.0 | 92.0 | 70.0 | -- |
| Chandrapur | 140.0 | 43.0 | 115.23 | 121.39 | -- |
| Total | 19401.0 | 975.0 | 1155.22 | 1146.325 | 220.28 |

Corporation : 19,401.0 - 84.72 %
A Class : 975.00 - 04.26 %
B Class : 1,155.22 - 05.04 %
C Class : 1,146.325 - 05.00 %
Others : 220.28 - 00.96 %

Total : 22,897.83 - 100.00%

Municipal Solid Waste Treatment (MT/day) in the State of Maharashtra

Corporation : 6998.0 - 88.07 %
A Class : 187.00 - 02.35 %
B Class : 367.96 - 04.63 %
C Class : 331.124 - 04.16 %
Others : 61.46 - 00.77 %

Total : 7945.544 - 100.00%

Note : Urban Development Department, Government of Maharashtra has approved DPR Plan of 245 Local Bodies and cost of the project is Rs 2650 Crores.

Annexure IV

District-wise Bio-Medical Waste Generation

| S.No. | Region | Name of the CBMWTSDF / Union Territory | Bio-Medical Waste Generation (kg/day) | Existing Total Bio-Medical Waste treatment capacity (captive and CBMWTF) (kg/day) | |
|-------|------------------------|--|---------------------------------------|---|-------------------------|
| | | | | Equipmnet | Total |
| 1 | Mumbai | MCGM area | 22171 | Incinerator | 250 kg / Hr X 4 |
| | | | | Autoclave | 450 liter/Cycle |
| | | | | Deep Burial | NA |
| | | | | Any Other | NA |
| 2 | Navi-Mumbai and Raigad | Navi Mumbai, Panvel, Khalapur, Mahad, Shriwardhan, Mangaon, Poladpur, Tala and Mhasala, Alibag, Roha, Pali, Mirudjangira, Sudhagad, Karjat | 1972 | Incinerator | 250 Kg/Hr |
| | | | | Autoclave | 600 liter/cycle |
| | | | | Deep Burial | NA |
| | | | | Any Other | NA |
| | | Uran | 45 | Incinerator | NA |
| | | | | Autoclave | 50 liter/Cycle |
| | | | | Deep Burial | 22 kg/day |
| | | | | Any Other | NA |
| 3 | Thane | Thane | 2382 | Incinerator | 50 kg/hr |
| | | | | Autoclave | 50 liter/cycle |
| | | | | Deep Burial | NA |
| | | | | Any Other | NA |
| | | Palghar | 530 | Incinerator | 75 kg/hr |
| | | | | Autoclave | 50 liter/cycle |
| | | | | Deep Burial | NA |
| | | | | Any Other | NA |
| 4 | Kalyan | Kalyan | 160 | Incinerator | Treated at MWML, Taloja |
| | | | | Autoclave | |
| | | | | Deep Burial | NA |
| | | | | Any Other | NA |
| 6 | Pune | Pune | 4949 | Incinerator | 150 Kg/Hr. |
| | | | | Autoclave | 200 liter/cycle |
| | | | | Deep/Burial | NA |
| | | | | Any Other | NA |
| | | PCMC | 1544 | Incinerator | 50 Kg/hr |
| | | | | Autoclave | 200 liter/cycle |
| | | | | Deep/Burial | NA |
| | | | | Any Other | NA |
| | | Talegaon | 900 | Incinerator | 50 kg/hr |
| | | | | Autoclave | 50 liter/cycle |
| | | | | Deep/Burial | NA |
| | | | | Any Other | NA |
| | | Baramati | 1400 | Incinerator | 150 kg/hr |
| | | | | Autoclave | 250 liter/cycle |
| | | | | Deep/Burial | NA |
| | | | | Any Other | NA |
| | | Karad | 145 | Incinerator | 30 kg/hr |
| | | | | Autoclave | 50 liter/cycle |
| | | | | Deep/Burial | NA |
| | | | | Any Other | NA |

| | | | | | |
|-------------|---------------------|------------|-------------|-----------------|-----------------|
| 7 | | Satara | 1150 | Incinerator | 100 Kg/Hr |
| | | | | Autoclave | 50 liter/cycle |
| | | | | Deep Burial | NA |
| | | | | Any Other | NA |
| | | Solapur | 1625 | Incinerator | 100 Kg/Hr |
| | | | | Autoclave | 50 liter/cycle |
| | Deep Burial | | | NA | |
| | Any Other | | | NA | |
| | Nashik | Nashik | 3000 | Incinerator | 250 Kg/Hr |
| | | | | Autoclave | 400 liter/cycle |
| | | | | Deep Burial | NA |
| | | | | Any Other | NA |
| Jalgaon | | 657 | Incinerator | 70 Kg/Hr | |
| | | | Autoclave | 430 liter/cycle | |
| | | | Deep Burial | NA | |
| | | | Any Other | NA | |
| Dhule | | 485 | Incinerator | 50 Kg/hr | |
| | | | Autoclave | 60 liter/cycle | |
| | | | Deep Burial | NA | |
| | | | Any Other | NA | |
| Nandurbar | | 503 | Incinerator | 50 Kg/Hr | |
| | | | Autoclave | 60 liter/cycle | |
| | | | Deep Burial | NA | |
| | | | Any Other | NA | |
| Ahmednagar | | 1800 | Incinerator | 200 Kg/hr | |
| | | | Autoclave | 100 liter/cycle | |
| | Deep Burial | | NA | | |
| | Any Other | | NA | | |
| 8 | Kolhapur | Sindhudurg | 245 | Incinerator | |
| | | | | Autoclave | 50 liter/cycle |
| | | | | Deep Burial | 244 kg/day |
| | | | | Any Other | NA |
| | | Kolhapur | 1500 | Incinerator | 50 kg/hr |
| | | | | Autoclave | 50 liter/cycle |
| | Deep Burial | | | NA | |
| | Any Other | | | NA | |
| | Ratnagiri & Chiplun | 566 | Incinerator | 50 kg/hr | |
| | | | Autoclave | 50 liter/cycle | |
| | | | Deep Burial | NA | |
| | | | Any Other | NA | |
| | Sangli | 973 | Incinerator | 50 kg/hr | |
| | | | Autoclave | 50 liter/cycle | |
| | | | Deep Burial | NA | |
| | | | Any Other | | |
| | Ichalkaranji | 386 | Incinerator | 50 kg/hr | |
| | | | Autoclave | 50 liter/cycle | |
| Deep Burial | | | NA | | |
| Any Other | | | | | |
| 9 | Aurangabad | Aurangabad | 1600 | Incinerator | 250 Kg/Hr |
| | | | | Autoclave | 400 liter/cycle |
| | | | | Deep Burial | NA |
| | | | | Any Other | NA |
| | Latur | 523 | Incinerator | 100 kg/hr | |
| | | | Autoclave | 50 liter/cycle | |
| | | | Deep Burial | NA | |
| | | | Any Other | NA | |

| | | | | | |
|----|-------------------|-----------------|------|-------------|----------------|
| | | Jalna | 1189 | Incinerator | 50 kg/hr |
| | | | | Autoclave | 50 liter/cycle |
| | | | | Deep Burial | NA |
| | | | | Any Other | NA |
| | | Beed & Osmanbad | 898 | Incinerator | 50 kg/hr |
| | | | | Autoclave | 50 liter/cycle |
| | | | | Deep Burial | NA |
| | | | | Any Other | NA |
| | | Nanded | 904 | Incinerator | 100 kg/hr |
| | | | | Autoclave | 50 liter/cycle |
| | | | | Deep Burial | NA |
| | | | | Any Other | NA |
| 10 | Amravati | Amravati | 747 | Incinerator | 100 Kg/Hr |
| | | | | Autoclave | 50 liter/cycle |
| | | | | Deep Burial | NA |
| | | | | Any Other | NA |
| 11 | Nagpur | Nagpur | 3660 | Incinerator | 100 Kg/Hr |
| | | | | Autoclave | 50 liter/cycle |
| | | | | Deep Burial | NA |
| | | | | Any Other | NA |
| 12 | Chandrapur | Chandrapur | 716 | Incinerator | 100 Kg/Hr |
| | | | | Autoclave | 50 liter/cycle |
| | | | | Deep Burial | NA |
| | | | | Any Other | NA |

Captive Incinerator & Deep Burial

| | | | | | |
|--------------|---|--|--------------|----------------|----------------|
| 13 | Pune | Krishna Hospital & Medical Research Center, Karad & KIMSDU. A/P: Dhebewadi road, Malakapur, Tal.: Karad, Dist.: Satara (02164)214555-58 Fax: (02164)242127 | 287 | Incinerator | 150 Kg/Hr |
| | | | | Autoclave | 30 liter/cycle |
| | | | | Deep Burial | NA |
| | | | | Any Other | NA |
| 14 | Nashik | M/s. Shri Bhausheb Hire Govt. Medical College, Surat By Pass Road, Tal. & Dist. Dhule | 133 | Incinerator | 50 Kg/Hr |
| | | | | Autoclave | 30 liter/cycle |
| | M/s. Jawahar Medical Foundation ACPM Medical College, Dhule | 164 | Incinerator | 45 Kg/Hr | |
| | | | Autoclave | 25 liter/cycle | |
| | | | Deep Burial | NA | |
| | | | Any Other | NA | |
| 15 | Kolhapur | Bharati Vidyapeeth Deemed University Medical College and Hospital, Sangli – Maharashtra | 39 | Incinerator | 60 Kg/Hr |
| | | | | Autoclave | 30 liter/cycle |
| | PHC's from Kolhapur District | 48 | Deep Burial | NA | |
| | | | Any Other | NA | |
| 16 | Aurangabad | M/s. MIMSR Medical college and Research Centre, Ambajogai Road, Latur | 96 | Incinerator | 50 Kg/Hr |
| | | | | Autoclave | 12 liter/cycle |
| | PHC's from Nanded District | 306 | Deep Burial | NA | |
| | | | Any Other | NA | |
| 17 | Nagpur | PHC's from Nagpur District | 129 | Deep Burial | |
| 18 | Amravati | PHC's from Amravati District | 1392 | Deep Burial | |
| TOTAL | | | 61918 | | |