

MAHARASHTRA POLLUTION CONTROL BOARD

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No. MPCB/JD (WPC)/B: 4787

Date: 15/12/2018.

To,
The Registrar
Hon. National Green Tribunal
Principal Bench
New Delhi

Sub: Submission of Progress Report of Polluted River stretches Reg.

Ref: Hon. NGT Order dated 20.09.2018, Original Application No. 673/2018

Sir,

In view of the above Hon. NGT Order regarding Polluted River Stretches in Maharashtra we are submitting Progress Report for the polluted stretches of the rivers in Maharashtra.

River Rejuvenation Committee (RRC) was constituted as per the Govt. G.R. issued by the Environment Dept, GoM vide No. NGT 2018/PC-2/TC-3 dtd.13.12.2018. First Meeting of the said committee was held on 14.12.2018. Minutes of the Meeting are attached in the enclosure.

The River Rejuvenation Committee reviewed and finalized the Action Plans prepared by MPCB. RRC has also decided to call the Local Bodies and review the timelines proposed in Action Plan.

This is submitted in compliance of the directions.

Thanking You.

Yours faithfully,


(E. Ravendiran, IAS)
Member Secretary & Convenor of RRC

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Date: 15/12/2018.

Sub: Minutes of 1st Meeting of River Rejuvenation Committee (RRC)

Venue : 3rd Floor, Kalpataru Point, Maharashtra Pollution Control Board, Sion, Mumbai-22.

Date & Time : 14-12-2018 at 2 pm

1st Meeting of River Rejuvenation Committee (RRC) convened on 14.12.2018 at 2.00 p.m. as per the Maharashtra Government G.R. issued by the Environment Deptt; GoM vide No. NGT 2018/PC-2/TC-3 dtd.13.12.2018. The order has following major issues related to RRC.

- 1) The Hon'ble NGT Principal Bench has issued order on 20th September, 2018 mentioning report of CPCB "More River Stretches are now critically polluted: CPCB". The report comprises 351 polluted river stretches in India out of that 53 polluted river stretches are in Maharashtra.
- 2) The Maharashtra has 9 polluted stretches in priority one and 6 polluted river stretches in a priority two. The CPCB has considered BOD as a major driving parameter to decide the river polluted stretches.
- 3) The Hon'ble NGT further mentioned in the said order and directed concerned states and union territories to prepare action plans within 2 months for bringing all the polluted stretches to be fit for bathing purposes (i.e BOD less than 3 mg/ltr and FC less than 500 MPN/100 ml within 6 months from the date of finalization of the action plans.
- 4) The action plans will be prepared by 4 Member Committee comprising Director, Environment, Director, Urban Development, Director, Industries and Member Secretary of State Pollution Control Board. This committee will also be the monitoring committee for execution of the action plan. The RRC will function under the overall supervision and coordination of Principal Secretary, Environment Deptt; of the State.
- 5) The action plan will include components like identification of polluting sources including functioning/ status of STP/ETP/CETP and solid waste management and processing facilities, quantification and characterization of solid waste, trade and

sewage generation in the catchment area of polluted river stretch. The action plan will be addressed issues related to ground water extraction, adopting good irrigation practices, protection and management of flood plain zones (FPZ), Rain Water Harvesting, Ground Water Charging, Maintaining minimum environmental flow of river and plantation on both sides of the river. Setting up of bio diversity parks on flood plains by removing encroachment shall also be considered as important component for river rejuvenation.

- 6) The action plan should focus on proper interception and diversion of sewage carrying drains to the sewage treatment plants (STP) and emphasis should be on utilization of treated sewage so as to minimize extraction of ground water of surface water.
- 7) The action should have speedy, definite or specific timeline for execution of steps. Provision may be to pull the resources, utilizing funds from state budgets, local bodies, state pollution control boards and central schemes.

In order to comply 1st Meeting of River Rejuvenation Committee (RRC) convened on 14.12.2018 at 2.00 p.m. 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. Following officials attended the meeting:

- 1) E. Ravendiran, Member Secretary, Maharashtra Pollution Control Board – Member & Convenor RRC
- 2) Dr. B. N. Patil, Director, Environment Dept, GoM - Member
- 3) Dr. Sunil Lahane, Deputy Director, Directorate of Municipal Administration - Representative
- 4) Mr. P.P.Nandusekar, Advisor Environment, MIDC Mumbai - Representative

The following issues were discussed and decided:

Point	Discussion	Outcome	Decision & Timeline
1	The pollution of the river stretches shall be minimized in a time bound way.	All agreed	The timeline required to be discussed with concerned local bodies.
2	The Maharashtra State has river which are not perennial in nature the majority of the rivers are seasonal	Some of the rivers are flowing in the monsoon rest of the year it doesn't have any water in the river bed. It has resulted into no dilution available in the river.	Needs to be verified from river to river for available minimum flow of water
3	While comparing data of the year 2016 and 2017 CPCB has come	While comparing the data of the last 6 months (January 18 to June 18) it has observed that, 10	The list is attached at Annexure I.

	up with the 53 polluted stretches in the Maharashtra.	stretches are now either dry or within the 3 mg/l of BOD. 1) Priority I stretches has come down from number 9 to 2 2) Priority II stretches has come down from number 6 to 5	
4	Preparation of the action plans of polluted river stretches	The Maharashtra Pollution Control Board (MPCB) has already started preparation of the action plans in the year 2017 through NEERI. The comprehensive studies of the polluted river stretches has been carried out through the expert institutions/MPCB.	Report should be updated and put up to RRC
5	Format of action plans	The action plan of Hindon River provided by CPCB is considered as baseline framework.	Preparation of draft action plans for 9 polluted river stretches of priority I has been completed and for 6 polluted river stretches in priority II are in progress. Same are being submitted to CPCB. Annexure II
6	Status of STPs	The above action plans includes status of the existing STPs of the towns at the bank of river with proposed plan of STPs for the said towns.	The present status and proposed plan of STPs will be verified on case to case basis.
7	Action taken by MPCB for pollution caused by discharge of sewage into rivers	a. The MPCB has already introduced and is implementing by directing to the urban local bodies to reserve 25% of their budgetary funds to be used only for sewage and solid waste management. Accordingly Maharashtra State has	Board is reviewing timely utilization of Funds through Regional

		<p>27 municipal Corporations generating 87% of the total sewage of the state are made mandatory to reserve such funds. All these 27 corporations have confirmed funds reservation from year 2015 onward.</p> <p>b. All Construction Projects are issued Consent stipulating BOD Discharge limit as 10mg/Lit and it is made mandatory to recycle minimum 60% of the generated sewage and such Projects are not allowed to discharge treated effluent in the river.</p> <p>c. The Consented standards to the STPs are stipulated as per the Revised Standards of MoEF&CC.</p> <p>d. Board has issued Directions to 16 Municipal Corporations and 29 Municipal Councils & Cantonments located at bank of river for complying the Order of Hon. NGT Principal Bench dtd. 20.09.2018. For submission of Time-Bound Action Plan for minimization of Pollution of Rivers.</p>	<p>Officers. It will be re verified by the Committee.</p>
8	<p>Action taken by MPCB for pollution caused by discharge of industrial effluents into rivers</p>	<p>MPCB has already decided the action plan for minimization of the pollution from industries:</p> <p>a. The industries are not allowed to discharge treated/untreated effluent into the river since year 2000. Only 3 industries are allowed to discharge treated effluent to the river after achieving the stream standards.</p> <p>b. The Randomized Risk Based inspection & sampling is being carried out by MPC Board on the basis of following objectives.</p> <p>i. Randomized generation of computerized list of industries for inspection based on predetermined objectives and criteria. As far as Environmental</p>	<p>MPCB has taken initiatives. RRC will closely watch the implementation.</p>

		<p>sampling is concerned, the existing protocol will be followed.</p> <p>ii. To prioritize serious pollution related matters under the mandatory inspection list.</p> <p>iii. Complaint based and emergency list of inspection under specific circumstances will be determined centrally after examination of data and evidences.</p> <p>c. The Maharashtra Pollution Control Board has already made mandatory to the industries from 17 categories to provide online real time continuous monitoring system.</p> <p>d. The Maharashtra Pollution Control Board is granting Consent to Establish stipulating pre-condition, to provide adequate Effluent Treatment Plant. While granting consent to operate, it is duly verified the adequacy of Effluent Treatment Plant provided and based on the inspections, the Consent to Operate is issued. Regular renewal is also granted after verification of functional Effluent Treatment Plant and its adequacy of operation & maintenance.</p> <p>e. To ensure the transparency & strong monitoring mechanism, the MPC Board is carrying out randomized risk based inspection & sampling. The inspection is coupled with sampling and wherever non-compliances are observed, various penal actions are initiated including closure directions. Wherever accidental discharges are observed, the immediate actions are initiated.</p> <p>f. The non-compliances are treated transparently as defined in the Enforcement Policy framed by the Maharashtra Pollution Control</p>	
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		Board wide Notification dtd.29/02/2016 to integrate various aspects including inspections, monitoring standards, compliances, directions, remedial measures, filing of complaints before the various Courts of Law, as per the provisions of various Environmental Laws based on culpability, environmental damages, severity of pollution, repeated violations etc.	
9	Monitoring of action plan	The Action Plan will be Monitored strictly by the RRC.	The Timely Review Meeting will be called and present and proposed status of Action Plan reviewed.
10	Website inviting public participation from educational institutions, religious institutions and commercial establishments	Separate staff/personnel will be required for preparation and updating of website. Logistics and further requirements will be decided.	The website will be launched in three months. Till that time separate icon on the existing MPCB website will be provided for Public Participation.
11	Current Status of polluted river stretches	MPCB has checked the current data of 2018 from January to June 2018 and found that 3) Priority I stretches has come down from number 9 to 2 4) Priority II stretches has come down from number 6 to 5 5) Priority III stretches has come down from number 14 to 13 6) Priority IV stretches has gone up from number 10 to 11	MPCB will prepare the data of next six months from July to Dec 2018 and same will be reviewed by the RCC to confirm and prioritise action.

		<p>7) Priority V stretches has come down from number 14 to 9</p> <p>8) Ten stretches have found dry throughout the period of six months</p> <p>9) Three stretches have found less polluted i.e. BOD is less than or equal to 3 mg/l</p>	
12	Awareness Programme	MPCB has conducted Awareness Programmes regarding minimization of polluted river stretches jointly with Central Pollution Control Board, Delhi and SPCBs in India at Yeshwantrao Chavan Auditorium near Mantralaya on 25 th April 2018. The said event was attended by 610 participants from Corporations, Councils and SPCBs from other states.	Similar kind of Awareness Programmes shall be organised frequently to sensitize Local Bodies, Industries and Public at large.


(E. Ravendiran, IAS)
 Member Secretary & Convenor of RRC

Annexure I

Annexure I

Polluted River Stretches- Priority I

RIVER NAME	RIVER STRETCH	Local Bodies
Godavari	Someshwar Temple To Rahed	Nashik / Aurangabad / Nanded Municipal Corporation, Trimbakeshwar / Kopergaon / Paithan / Gangakhed / Beed / Jalna Municipal Councils
Kalu	Along Atale Village	Kalyan Dombivli Municipal Corporation
Kundalika	Salav To Roha	Roha Ashtami Municipal Council
Mithi	Powai To Dharavi	Municipal Corporation of Greater Mumbai
Morna	Akola To Takalijalam	Akola Municipal Corporation
Mula	Bopodi To Aundh Gaon	Pune Municipal Corporation
Mutha	Shivaji Nagar To Khadakwasla Dam	Pune Municipal Corporation
Nira	Sangavi To Shindewadi	Pune Municipal Corporation
Vel	Nhavare To Shikarpur	Pune Municipal Corporation, Shirur Gram Panchayat

Polluted River Stretches- Priority II

RIVER NAME	RIVER STRETCH	Local Bodies
Bhima	Vithalwadi To Takli	Pune Municipal Corporation
Indrayani	Moshigaon To Alandigaon	Pune Municipal Corporation Lonavala Municipal Council, Talegaon Municipal Council, Dehu Cantonment Board & Alandi Municipal Council.
Mula-Mutha	Theur To Mundhwa Bridge	Pune Municipal Corporation
Pawana	Dapodi To Ravet	Pimpri Chinchwad Municipal Corporation
Wainganga	Tumsa To Ashti	Nagpur Municipal Corporation
Wardha	Ghughus To Rajura	Chandrapur Municipal Corporation

It was decided by the all the committee members, the review of local bodies will be taken and accordingly the outcomes of the meeting will be communicated to CPCB and Hon'ble NGT, Principal Bench.

Annexure II

Priority wise list of rivers declared by CPCB on September, 2018 based on data of 2016 & 2017 (Total 53 rivers & 53 stretches)				
Priority 1 (9 nos.)	Priority 2 (6 nos.)	Priority 3 (14 nos.)	Priority 4 (10 nos.)	Priority 5 (14 nos.)
Godavari	Bhima	Ghod	Bindusara	Amba
Kalu	Indrayani	Kanhan	Bori	Bhatsa
Kundalika	Mula-Mutha	Kolar	Chandrabhaga	Gomai
Mithi	Pawana	Krishna	Darna	Kan
Morna	Vainganga	Mor	Girna	Manjara
Mula	Wardha	Patalganga	Hiwara	Panchganga
Mutha		Pedhi	Koyna	Panzara
Nira		Painganga	Pelhar	Rangavali
Vel		Purna	Sina	Savitri
		Tapi	Titur	Surya
		Urmodi		Tansa
		Venna		Ulhas
		Waghur		Vaitrana
		Wena		Vashishthi

MPCB's Priority wise list of rivers based on data of Jan. to June 2018 (Total 40 rivers & 40 stretches)				
Priority 1 (2 nos.)	Priority 2 (4 nos.)	Priority 3 (14 nos.)	Priority 4 (11 nos.)	Priority 5 (9 nos.)
Mithi	Bhima	Chandrabhaga	Bindusara	Amba
Morna	Mutha	Indrayani	Ghod	Bhatsa
	Pawana	Godavari	Kan	Darna
	Pedhi	Kalu	Koyna	Girna
		Kanhan	Krishna	Pelhar
		Kolar	Manzara	Sina
		Kundalika	Nira	Surya
		Mula	Penganga	Ulhas
		Mula-Mutha	Urmodi	Vel
		Patalganga	Venna	
		Purna	Wena	
		Tapi		
		Wainganga		
		Wardha		

Dry Rivers (10 nos.): Bori, Gomai, Hiwara, Mor, Panzara, Rangavali, Tansa, Titur, Vaitarna, Waghur	Less polluted rivers-BOD is 3 or < 3 mg/l (3nos.): Panchganga, Savitri, Vashishti
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