

Minutes of 2nd Meeting of River Rejuvenation Committee (RRC) on 09/01/2019 at 11.00 am at 3rd Floor, Kalpataru Point, Maharashtra Pollution Control Board, Sion, Mumbai – 400 022.

2nd Meeting of River Rejuvenation Committee (RRC) convened on 09.01.2019 at 11.00 a.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 and 19th Dec 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 RCC 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 address issues related to the 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 2nd Meeting of River Rejuvenation Committee (RRC) convened on 09/01/2019 at 11.00 am 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) Shri. E. Ravendiran, Member Secretary, Maharashtra Pollution Control Board
- 2) Shri S. K. Nikam, Director, Environment Dept., GoM
- 3) Shri. S. B. Patil, OSD (Envt.), MIDC Representative.

The following issues were discussed and decided:

Point	Discussion	Outcome	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
3	While comparing data of the year 2016 and 2017 CPCB has come up with the 53 polluted stretches in the Maharashtra.	While comparing the data of the last one year (January 18 to Dec.18) it has observed that, 9 stretches are dry & 3 are within the 3 mg/l of BOD. 1) Priority I stretches has come down from number 9 to 4 2) Priority II stretches has come down from number 6 to 4	The list is attached at Annexure II.
4	Preparation of the action plans of polluted river stretches	1. The Maharashtra Pollution Control Board (MPCB) has already submitted modified action plans for 09 Priority-I	2018-19

		<p>and 06 priority-II polluted river stretches Action plans are prepared and submitted.</p> <p>2. Action plans for remaining 38 river stretches of Priority-III, IV & V are under preparation.</p> <p>3. It is decided that field offices will coordinate with local bodies to collect information regarding budgetary provision and source of funding for sewage collection and treatment.</p> <p>4. Timelines for completion of STPs in the draft action plans are too long. It is decided that field offices will coordinate with local bodies and revisit the timelines.</p>	
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 III
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. There is no provision for STPs to be provided by villages.	The present status and proposed plan of STPs will be verified on case to case basis. But there is difficulty to provide STPs at village level
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 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.	Board is reviewing timely utilization of Funds through Regional Officers. It will be re verified by the Committee.

		<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 in a time bound manner.</p>	
8	Action taken by MPCB for pollution caused by discharge of industrial effluents into rivers	<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 sampling is concerned, the existing protocol will be followed.</p>	MPCB has taken initiatives.

ii. To prioritize serious pollution related matters under the mandatory inspection list.

iii. Complaint based and emergency list of inspection under specific circumstances will be determined centrally after examination of data and evidences.

c. The Maharashtra Pollution Control Board has already made mandatory to the industries from 17 categories to provide online real time continuous monitoring system.


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.

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.

f. The non-compliances are treated transparently as defined in the Enforcement Policy framed by the Maharashtra Pollution Control Board vide 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.	The Timely Review Meeting will be called and present and proposed status of STPs will be reviewed.
10	Website inviting public participation from educational institutions, religious institutions and commercial establishments	Separate staff/personnel will be required for preparation and updation of website. Logistics and further requirements will be decided.	The website will be launched till that time the 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 Dec. 2018 and found that 1) Priority I stretches has come down from number 9 to 4 2) Priority II stretches has come down from number 6 to 4 3) Priority III stretches has come down from number 14 to 8 4) Priority IV stretches has remain same i.e. number 10. 5) Priority V stretches has changed from number 14 to 15 6) Nine stretches have found dry throughout the period of eight months and more. 7) Three stretches have found less polluted i.e. BOD is less than or equal to 3 mg/l	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.
12	Awareness Programme	MPCB has conducted Awareness Programmes regarding minimization of polluted river	Similar kind of Awareness Programmes shall be

		<p>stretches jointly with Central Pollution Control Board, Delhi and SPCBs in India at Yeshwantrao Chavan Auditorium near Mantralaya on 25th April 2018. The said event was attended by 610 participants from Corporations, Councils and SPCBs from other states.</p> <p>The State Government is reviewing status of STPs of Local Bodies regularly.</p>	<p>organised frequently to sensitize Local Bodies and Public at large.</p>
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(E. Ravendiran, IAS)
 Member Secretary & Convenor of RRC

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.

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