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## ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ Karnataka State Pollution Control Board

"ಪರಿಸರಭವನ", 1 ರಿಂದ 5ನೇ ಮಹಡಿಗಳು, ನಂ.49, ಚರ್ಚ್ ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು - 560 001, ಕರ್ನಾಟಕ, ಭಾರತ  
"Parisara Bhavana", 1st to 5th Floor, # 49, Church Street, Bengaluru - 560 001, Karnataka, INDIA  
NO.KSPCB/NGT/RRC /CEO-2/2019-20/ 103 Date: 11 MAY 2020

Proceedings of the 4<sup>th</sup> the meeting of River Rejuvenation Committee held on 11-03-2020  
at Room No 252, Gate No 2, 2<sup>nd</sup> floor, M.S. Building, Bengaluru-560001

### Members present:

Chairman of the Committee	1. Sri. Vijayakumar Gogi, I.F.S., Principal Secretary to Government (Ecology & Environment), Department of Forest, Ecology & Environment, Government of Karnataka.
Members of the Committee	2. Sri. Somesh M.C, Executive Engineer, Representative of Directorate of Municipal Administration, 9 <sup>th</sup> & 10 <sup>th</sup> floor, V.V. Tower, Ambedkar Road, Bengaluru- 560001. 3. Sri. B.K Shivakumar, Joint Director (P&P), Representing Department of Industries and Commerce, No.49, Khanija Bhavan, south wing race course road, Bengaluru-560 001.
Member Convener	4. Sri. Basavaraj V. Patil I.F.S., Member Secretary, Karnataka State Pollution Control Board, Bengaluru-560001.
Special Invitees	1. Dr. K.M. Uday Kumar, Senior Scientist , Representative of South zone Office, CPCB, Nisarga Bhavan ,Shivanagar, Bengaluru-560079. 2. Sri. S.B. Siddanaik, Chief Executive(D &M) Karnataka Urban water supply and Drainage Board, Jalabhavan, BTM, 1 <sup>st</sup> stage, 1 <sup>st</sup> Phase, Bannerghatta main road, Bengaluru-560029. 3. Sri. V.S. Ashoka, Representative of Agriculture Department, No 1, Sheshadri road , K.R Circle ,Bengaluru-560001. 4. Sri. Manohar V. Rotte, Under Secretary, Water Resources Department, 3 <sup>rd</sup> Floor, Vikasa Soudha, Dr.B.R Ambedkar Road, Bengaluru-560001. 5. Sri.M.Narayanappa, TA to CE, Water Resources Department, 3 <sup>rd</sup> Floor, Vikasa Soudha, Dr.B.R Ambedkar Road, Bengaluru-560001. 6. Sri.B.C. Gangadhara, Additional Chief Engineer, BWSSB, Cauvery Bhavan, K.G. Road, Bengaluru-560029. 7. Sri. Sadananda Acharya, Joint Director Town Planning, Department of Industries and Commerce, No.49, Khanija Bhavan, south wing race course road, Bengaluru-560 001. 8. G. Jayanna, Senior Geologist, State Ground water Authority, Khanaji Bhavan Race Course Road, and Bengaluru-560001.

KSPCB Officers present	<ol style="list-style-type: none"> <li>1. Sri. M.K. Prabhudev, CEO-2</li> <li>2. Sri. C.D. Kumar, CEO-3</li> <li>3. Dr. H. Lokeshwari, CSO-2</li> <li>4. Sri. Shannukappa, RSEO, Bengaluru South</li> <li>5. Dr. P.Niranjan, RSEO, Mysuru.</li> <li>6. Sri. M. Sridhar, RSEO (A/C), Bellary.</li> <li>7. Sri. VijayKumar Kadakabavi, RSEO, Dharwad.</li> <li>8. Sri. Manjappa, RSEO (I/C), Kalaburgi.</li> <li>9. Sri. Murulidhar, RSEO, Chitradurga</li> <li>10. Sri. K. Keerthi Kumar, EO, Mangaluru.</li> <li>11. Dr. Lakshmi kantha, EO, Uttar Kannada (Karwar)</li> <li>12. Sri. V.S. Kumar, EO, Ramanagara.</li> <li>13. Sri. Ravi Chandra, DEO, Hassan.</li> </ol>
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The Chief Scientific Officer (CSO) of Karnataka State Pollution Control Board (KSPCB) briefed the Chairman and Members and Officers present about the background of the meeting. The CSO submitted that as per the recent direction of Hon'ble NGT vide order dated 6.12.2019 in respect of OA No. 673/2018, the revised action plans for the Polluted River Stretches (PRSs) of the State, categorized into Priority – III and IV, are to be submitted within March 2020 by incorporating the observations / suggestions of the Central Pollution Control Board (CPCB).

The Chairman of River Rejuvenation Committee (RRC) reviewed Power Point Presentations on the status of water quality of 17 PRSs in 2019, which included a Gap Analysis of Sewage Treatment Plants (STPs), Capacities as well as solid waste generation and treatment in 43 Urban Local Bodies (ULBs). The Presiding Officer directed to compare the presented data analysis and solid waste generation data interpretation for Bengaluru City, which would be submitted to the Central Team comprising of 3 members from NMGC, NRCD and CPCB who had visited the Arkavathi and Kabini PRSs to assess domestic and industrial pollution in PRSs catchment in Karnataka State. In addition, the Committee Chairman gave a detailed explanation on successful models for in-situ bioremediation,

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namely, phyto-remediation / wetland management concept for the treatment of sewage / storm water flowing in drains which finally join the PRSs.

Furthermore, the CSO requested Officers of the Board to present the status of River Action Plans (RAPs). Revised RAPs for the following PRSs were presented by the Regional Senior Environmental Officers (RSEOs) of KSPCB before the RRC:

1. Arkavathi
2. Tungabhadra
3. Malaprabha
4. Bhadra
5. Tunga
6. Kagina
7. Bheema
8. Kali
9. Krishna

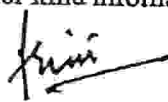
Presented RAPs were discussed in detail, including the effect of industrial pollution. The Presiding Officer informed to adopt simple techniques, such as, adding coarse screens to prevent entry of solid waste into drains that discharge into the PRSs, as explained by Environmental Officer (EO), Karwar. He instructed to submit the revised RAPs with additional data, i.e., drain water quality, ground water quality and gap analysis of STPs capacity and solid waste generation vs. treatment. Lastly, the Chairman directed to send the revised River Action Plans to the RRC Members for approval.

The meeting concluded with a vote of thanks.

Sd/-  
Chairman  
River Rejuvenation Committee  
& Principal Secretary to Government,  
Department of Ecology & Environment,  
State Government of Karnataka

To  
All the members and special invitees

- Copy to: 1. The Member Secretary, CPCB, Parivesh Bhavan, East Arjun Nagar, Delhi -1 10032 for kind information.  
2. The Additional Chief Secretary to Government, Department of Forest, Ecology and Environment, M.S. Building, Bengaluru-560001 for kind information.

  
Member Secretary & Member Convener, RRC