

Proceedings of the Seventh meeting of River Rejuvenation Committee (RRC) under the Chairmanship of Principal Secretary, Department of Science, Technology & Environment to review the progress of Action Plans on Clean Rivers on 10.09.2019 at 12.00 Noon in Conference Room of PSCST, MGSIPA Complex, Chandigarh

Agenda No. 7.1 Leave of Absence

1. The following Officers from various Departments attended the meeting:

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| Department of Science, Technology & Environment | Sh. Keshav Hingonia, ASSTE Sh. PardeepGarg, Joint Director Sh. Gurharminder Singh, SSO Ms. Manak Bola, JRF Sh. Parveen Kumar, Technical Officer Sh. Gagandeep Singh, Technical Officer |
| Punjab State Council for Science & Technology | Dr. J.K. Arora, Executive Director Sh. Pritpal Singh, Senior Engineer |
| Punjab Pollution Control Board | Sh. KruneshGarg, Member Secretary Sh. Gulshan Rai, CEE |
| Department of Local Government | Sh. Ajay Kanwar, Engineer in Chief Sh. K.P. Goyal, Engineer in Chief, PWSSB Sh. Ravinder Garg, SE, MCL Sh. Satinder Kumar, SE, MCJ Ms. Lata Chauhan, EE (PWSBB) Sh. Ekjot Singh, SDO, MCL Sh. Gagan Luthra, SDE, MCJ |
| Department of Water Resources | Sh. J.S. Bhinder, EE Sh. Kuljinder Singh, SDO Sh. Raghav Garg, SDO (Drainage) Sh. Pardeep Kumar, JE (Drainage) Sh. Madan Mohan Gupta, ADE |
| Department of Rural Development & Panchayats | Sh. Devidner Kumar, SE |
| Department of Industries & Commerce | Sh. S.K. Sharma, XEN, PSIEC |

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| Department of Soil & Water Conservation | Sh. G.S. Dhillon, Map Officer |
| Department of Housing & Urban Development | Sh. Pankaj Mehra, DE, GMADA Sh. Varinder Kumar, SDE, GMADA Sh. Gurpreet Singh, SDE, PDA Sh. Pankaj Garg, JE, PDA |
| Department of Water Supply & Sanitation | Sh. Rajinder Singh, CE Sh. N.K Sharma, Sr. Design Expert |
| Punjab Energy Development Agency | Sh. Davinder Singh, AGM |

AgendaNo.7.2Confirmationoftheproceedingsofthe6thMeeting held on 09.08.2019

Proceedings of the 6thmeeting held on 09.08.2019 were confirmed.

AgendaNo.7.3 Review of monitoring of Water Quality of Rivers

1. The status of the river water quality monitored by PPCB for the month of August on the polluted stretches of the rivers and installation of RTWQMS were reviewed.
2. PPCB informed that the technical evaluation of the bids could not be completed as there were discrepancies in the submission of the bids and repeated clarifications have been sought. It was noted that adequate time was given to PPCB for technical evaluation and continued delays reflect lack of capacity on the part of PPCB to handle such issues. PPCB was again reminded on the need to strengthen water division at headquarter to develop requisite capacity.
3. PPCB was also asked to send a copy of the RFP and clarifications being sought to the Government for examination and ascertaining the reasons for delays. The important committees in future shall be got approved from the Board and should include the representatives from the Department of Environment also.
4. PPCB was also directed to intimate the two locations of Budha Nallah for installation of RTWQMS.
5. The matter regarding seeking funds from CPCB from EC funds lying with them had also come up for discussion and PPCB informed that Rs.8.32 crore have been allocated to Punjab. It was felt that the same is not adequate and PPCB will asked to send the details of the correspondence made with CPCB to the Government so that matter be taken up with CPCB for more funds to be made

available to the State from EC. PPCB will spend these funds in consultation with State Government on identified priorities for restoration, protection and management of Environment.

6. PSCST presented the latest status of engaging IIT Ropar for development of Low Cost Censor for monitoring of 6 parameters i.e. DO, BOD, COD, TDS, PH, and Conductivity by developing five nodes with connectivity to cloud based server. IIT Ropar will also provide data analysis based on Artificial Intelligence.
7. PPCB was directed to provide 10 years data of water quality of Rivers to PSCST to taking up the matter with IIT Ropar for data analytics for preparing seasonal trends and future projections.
8. PSCST informed that IIT Ropar has submitted a cost of Rs. 37lacs plus applicable taxes with 60% of the cost to be paid along with the release of work order and the remaining after six months. The standard terms and conditions of their consultancy projects will be applicable. It was decided that work order be issued to IIT Ropar and expenditure would be met out of Environmental Compensation Fund.

AgendaNo.7.4 Review of monitoring of functioning of STPs in the catchment area

1. The committee noted with serious concern the high percentage of non-compliance of STPs in the month of August, 2019.
2. The department wise non-compliance of each STP was reviewed viz-a-viz prescribed standard and designed standard. It was pointed out by the departments that PPCB has not taken composite samples, which is the requirement and one sample shall be given to the concerned agency if legal action is to be taken. In case of one of the STPs of Ludhiana, it was noted that the results were quite abnormal and unrealistic.
3. During the deliberations, the need for third party testing from PBTI, Thapar University and other such reputed labs was also raised. It was also pointed out that the results have to be analyzed with respect to the design parameters in case of old STPs as they have been given time to upgrade.
4. After detailed deliberation on results of each STP, no convincing answer could be given for non-compliance by the following STPs:

| Sr. No | Concerned Agency | STPs/Town | Cap. (MLD) | Tech. | Results (Aug, 19) | |
|--------|------------------|-------------|------------|-------|-------------------|----------------|
| | | | | | BOD (mg/l) | FC(MPN/100 ml) |
| 1 | PWSSB | Jagraon- I | 12 | SBR | 7 | 1100 |
| 2 | PWSSB | Jagraon- II | 16 | SBR | 8 | 1400 |

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|----|-------|------------------------|-----|------|-----|-------|
| 3 | PWSSB | Budhlada | 6.5 | MBBR | 75 | 8400 |
| 4 | PWSSB | Zirakpur | 17 | SBR | 35 | 930 |
| 5 | MCL | Baloke I | 152 | UASB | 65 | 28000 |
| 6 | MCL | Baloke- II | 105 | SBR | 182 | 2200 |
| 7 | MCL | Bhattian- I | 111 | UASB | 38 | 11000 |
| 8 | MES | East Jalandhar Cant- I | 3 | MBBR | 35 | 4600 |
| 9 | MES | East Jalandhar Cant-II | 3 | MBBR | 40 | 4900 |
| 10 | MES | West Jalandhar Cant- I | 1.5 | MBBR | 34 | 1200 |
| 11 | DWSS | Muktsar Sahib- I | 8.7 | MBBR | 48 | 8400 |
| 12 | DWSS | Muktsar Sahib- II | 5.7 | MBBR | 50 | 4900 |
| 13 | MC | Jalalabad | 8 | MBBR | 70 | 14000 |

5. The Committee directed the Department of Environment to issue show cause notices for seeking explanation from concerned agencies for imposing Environment Compensation on non-complaint STPs. The committee decided that in future PPCB would also share sealed composite samples of specific STPs as per request of PWSSB and MCL for third party monitoring from reputed laboratories such as PBTI or Thapar, Patiala to avoid any ambiguity regarding results of monitoring.
6. All the departments were directed to put in place the requisite mechanism for improvement in the functioning of STPs to bring the non-compliance to significantly low level. The timelines for upgrading the old STPs to meet the current standards shall be sent to Department of Environment within a week.
7. DWSS was directed to explore the feasibility of transfer the four STPs operated by it to PWSSB or ensure proper operation & maintenance of STPs.
8. PPCB was directed to expedite the action against pending cases and instead of seeking bank guarantees, which is subjective, arbitrary and discretionary, it should apply EC as per the formula provided in NGT order dated 17.07.2019 in Sobha Singh Case.
9. The progress w.r.t. preparation of O&M Manual of STPs was also reviewed. PWSSB informed that manual has been revised as per the discussions held on 22.08.2019. The revised manual has been sent to all the concerned agencies for further inputs/suggestions. It was decided to review the manual in a separate meeting. The committee further advised PWSSB to study the EC formula provided in NGT order dated 17.07.2019 and incorporate penalties for non-compliance the STPs accordingly, in the manual.
10. The committee noted the extremely slow progress for installation of OCEMS and CCTVs on existing STPs. As 55 cases for installation of OCEMS are still at DPR stage, it was decided to prepare a model tender for use by all the agencies.

PWSSB was directed to send the copy of its tender document to Department of Environment for review.

11. PSCST also informed that of CCTV cameras installed by PWSSB on STPs could not be connected with integrated dashboard being developed, due to some issues with the camera specifications. PWSSB was directed to take up the necessary action in consultation with PSCST.
12. PSCST further informed that the RFP for setting up of single integrated dashboard for online monitoring systems installed for air emissions, water and industrial effluents has been prepared after detailed consultation with the relevant stakeholders. Some of the other States have already set up such system and it will take 3 months for commissioning the system after completing the procurement process.
13. PSCST was directed to expedite the process and ensure commissioning of the System by 31st December 2019. The cost of the project will be met from the Environmental Compensation Fund.

AgendaNo.7.5 Review of monitoring of functioning of CETPs in the catchment area

1. The committee took a serious note of consistent non-compliance by CETP Leather Complex, Jalandhar with BOD and COD values 113 mg/l and 408 mg/l, respectively during August, 2019.
2. As decided in the last meeting of the RRC, PPCB was again directed to expedite the preparation of legal frame work for setting up of CETPs and prepare SOPs for proper functioning of CETPs through effective regulation and supervision.
3. PSCST was directed to expedite the action w.r.t. electroplating CETP Ludhiana in coordination with IIT Ropar for recommending remedial measures.

AgendaNo.7.6 Review of monitoring of functioning of ETPs in the catchment area

1. While reviewing the functioning of the ETPs, committee directed PPCB to get the third-party monitoring done as decided earlier by NGT Committee and also by State Apex Committee. PPCB has defaulted in complying with the direction and rendered itself liable for action. It was directed that for units in the catchment of Buddha Nallah in particular, PPCB shall get the third party independent testing done.
2. The progress for installation of OCEMS was found to be slow as only 54 industries out of 115 have so far commissioned OCEMS. The Committee directed PPCB to expedite installation of OCEMS and impose EC on account of delay. RO wise data particularly in the catchment of Buddha Nallah shall be

analyzed and action shall be taken against the concerned officers, who are lacking in performance and compliance of this important direction.

3. PPCB was also directed to provide the detailed information w.r.t ETP monitoring procedure being implemented including selection of unit, sampling method, time frame for issuance of notices/hearings, imposition of EC, prosecution, etc. to Department of Environment for review and audit to provide inputs for streamlining the entire process. NGT had directed Chief Secretary to submit report after audit of the regulatory bodies within six months. It has been observed that there are many practices currently being followed by PPCB, which need to be streamlined and therefore time bound audit of the activities of PPCB w.e.f. 1.1.2019 is urgently required.

Agenda No.7.7 Setting up of New/up gradation/Rehabilitation of STPs

1. The progress for setting up of New/up-gradation of STPs was found to be slow. PWSSB informed that the funds to the tune of 550 crore yet to be tied up for 24 towns and land is yet to be acquired in 13 towns.
2. The committee directed that the present status for each STP be prepared and the same shall be reviewed separately in detail.

Agenda No.7.8 Progress for setting up of New CETPs

1. The Committee noted the progress. PPCB informed that EC of Rs. 30,000/- per day has been imposed on SPV of 15 MLD CETP w.e.f. 01.07.2019 for delay in setting up these CETPs. However, the SPV has not deposited the EC till date to PPCB.
2. PPCB was directed to impose EC on SPV of 40 MLD CETP for breaching the timelines of 31.08.19 for setting up the CETP and ensure the timely completion 50 MLD CETP, failing which EC shall be imposed.
3. The Committee also directed PPCB to take help of District Administration to resolve the issue of public protest and start the work for setting up of 0.15 MLD CETP.
4. PPCB informed that separate DPRs are required to be prepared for up-gradation of 5 MLD CETP and 6 MLD additional module at Leather Complex, Jalandhar to expedite the Environment clearance process for both the modules & availing of subsidy/financial assistance for Govt. of India separately. The committee directed PPCB to take necessary action in the matter on priority and also provide timelines for setting up the CETP.
5. PPCB was again directed to expedite the preparation of legal frame work for

setting up of CETPs and prepare SOPs for proper functioning of CETPs through effective regulation and supervision. The reason for delays in the construction of CETPs has largely been due to PPCB not issuing proper legal framework and directions for time bound compliance and ensuring that the same is duly made part of the consent granted.

6. PPCB has also directed to ensure setting up of CETP for Industrial Area and also issuing directions for other scattered units, which could easily be connected to the proposed/ New CETPs.

AgendaNo.7.9 Reconciliation of Domestic Wastewater & Industrial Effluents for Ludhiana City

The Committee decided to review the matter separately.

Agenda No. 7.10 Setting up of ETBs for Tajpur, Haibowal & Jamsheer Dairy Complex

The committee noted the progress. The concerns raised by PEDDA for setting up of Biogas Plant at Tajpur Dairy complex were also discussed in detail. MCL was directed to expedite the signing of agreement with dairy owners for assured supply of cattle dung for a period of 20 years and supply the same to PEDDA for inclusion in RFP document for inviting e-bids for setting up of Biogas Plant at Tajpur Dairy Complex.

Agenda No. 7.11 Review of progress w.r.t. release of 200 cusec of water from Sirhind Canal to Buda Nallah

1. DWR reported that the project will be completed by 15.02.2021 subject to release of funds.
2. PPCB informed that the approval of the Board has been obtained for release of 288.50 lacs to DWR and funds will be release shortly. The committee directed MCL to release its share of 288.50 lacs to DWR at the earliest.

Agenda No. 7.12 Review of progress for setting up of treatment facilities in villages

The Committee noted the progress. It was also decided to review the prioritization of villages based on quantity of discharge and distance from the river.

Agenda No. 7.13 Reuse of treated wastewater of STPs for irrigation

The Committee noted the progress.

Agenda No. 7.14 Review of progress regarding organization of Health Checkup Camps

The Committee noted the progress.

The meeting ended with vote of thanks to the Chair.