

OFFICE OF THE MONITORING COMMITTEE

Constituted by the Hon'ble National Green Tribunal in
Original Application 916/2018 (earlier OA No.101 of 2014) OA No.606 of 2018
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To

The Secretary to Government of Punjab,
Department of Science, Technology & Environment.
Punjab

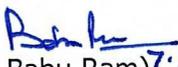
No. CMC/SB/2021/1442
Dated: 7.1.2021

Subject: Minutes of the 11th meeting of Monitoring Committee, constituted by Hon'ble National Green Tribunal in OA No 916 of 2018 and 606 of 2018, held on 06.01.2021 at 11:00 am (through video conferencing), under the Chairmanship of Justice Jasbir Singh, former Judge, Punjab & Haryana High Court and now as Chairman of the Monitoring Committee, to review the progress on implementation of action plan for clean rivers Sutlej and Beas.

Please find enclosed herewith minutes of the 11th meeting of Monitoring Committee, constituted by Hon'ble National Green Tribunal in OA No 916 of 2018 and 606 of 2018, held on 06.01.2021 at 11:00 am (through video conferencing), under the Chairmanship of Justice Jasbir Singh, former Judge, Punjab & Haryana High Court and now as Chairman of the Monitoring Committee, to review the progress on implementation of action plan for clean rivers Sutlej and Beas for your kind information and necessary action.

It is requested that the concerned officer dealing with the matter may be directed to convey the minutes of the meeting to all the concerned departments with the request to take necessary action on the directions given by the Chairman of the Monitoring Committee on the various activities relating to them and action taken report be submitted to the Monitoring Committee within 21 days.

DA/-as above


(Dr. Babu Ram) 7.1.2021
Technical Expert,
Monitoring Committee

Endst. No. CMC/SB/2021/1443

Dated: 7.1.2020

A copy of the above is forwarded to the Secretary to Govt. of Punjab, Department of Local Government, Punjab for information and necessary action please.

DA/-as above


(Dr. Babu Ram) 7.1.2021
Technical Expert,
Monitoring Committee

Endst. No. CMC/SB/2021/1444

Dated: 7.1.2020

A copy of the above is forwarded to the Member Secretary, Punjab Pollution Control Board, for information and necessary action please.

DA/-as above


(Dr. Babu Ram) 7.1.2021
Technical Expert,
Monitoring Committee

Minutes of the 11th meeting of Monitoring Committee, constituted by Hon'ble National Green Tribunal in OA No 916 of 2018 and 606 of 2018, held on 06.01.2021 at 11:00 am (through video conferencing), under the Chairmanship of Justice Jasbir Singh, former Judge, Punjab & Haryana High Court and now as Chairman of the Monitoring Committee, to review the progress on implementation of action plan for clean rivers Sutlej and Beas.

11.1 Leave of absence

1) Members of the Monitoring Committee

Sr. No.	Name and Designation in the Deptt.	Name & Designation in the Committee
1.	Justice Jasbir Singh, Former Judge, Punjab and Haryana High Court	Chairman
2.	Sh. S.C. Agrawal, IAS, Former Chief Secretary, Punjab	Senior Member
3.	Sant Balbir Singh Seechewal	Member
4.	Sh. J.C. Babu, Scientist E, CPCB	Member
5.	Dr. Babu Ram, Former Member Secretary, PPCB	Technical Expert

2) The list of the officers, present in the meeting, is as per Annexure-1

The Chairman of the Monitoring Committee informed the officers, present in the meeting, about the orders of Hon'ble National Green Tribunal made in various cases connected to the matter, which are briefly mentioned as under:

- 1) The Hon'ble National Green Tribunal vide order dated 10.01.2020 in OA No.606 of 2018 in the matter of compliance of Solid Waste Management Rules, 2016 in Para No.36 has directed that most of the statutory timelines have expired and directions of Hon'ble Supreme Court and the Tribunal to comply Solid Waste Management rules, 2016 remain unexecuted and accordingly, compensation scale is laid down for continued failure after 31.03.2020. The compliance of the rules requires taking of several steps mentioned in Rule 22 (S. No.1 to 10). Any such continued failure will result into liability of every Local Body to pay compensation at the rate of Rs. 10 lakh per month per Local Body for population of above 10 lakh, Rs. 5 Lakh per month per Local Body for population between 5 lakh and 10 lakh and Rs. 1 lakh per other Local Bodies from 1.04.2020 till compliance. If the Local Body is unable to bear financial burden, the liability will of the State Govt. with liberty to take remedial action against erring Local bodies. Apart from compensation, adverse entries must be made in the ACRs of the CEO of the said Local Bodies and other senior functionaries in Department of Urban Development etc. who are responsible for compliance of order of this Tribunal. The Hon'ble Tribunal has also directed in Para No 31 (ii) that the date of commencement of setting up of STPs is 31.3.2020, failing which compensation amounting to Rs 5 lakh/month/STP by the concerned local bodies/States in terms of order dated 28.8.2019 in OA No. 593/2017 and 6.12.2019 in OA No. 673/2018 w.e.f 1.4.2020 shall be imposed.
- 2) The Hon'ble Tribunal in its order dated 6.12.2019 in OA No. 673 of 2018 (mentioned in order dated 6.12.2019 uploaded on 12.12.2019 in OA No. 916 of 2018) had issued direction that 100% treatment of sewage may be ensured as directed by the Tribunal

vide order dated 28.08.2019 in O.A No. 593/2017 by 31.03.2020 at least to the extent of in-situ remediation and before the said date, commencement of setting up of STPs and the work of connecting all the drains and other sources of generation of sewage to the STPs must be ensured. If this is not done, the local bodies and the concerned departments of States/UT's will be liable to pay compensation as directed vide order dated 22.08.2019 in case of river Ganga i.e. Rs. 5 lakh per month per drain for default in in-situ remediation and Rs. 5 lakh per month per STP for default in commencement of setting up of the STP. The timeline for completing all steps of action plans including completion of setting up STPs and their commissioning till 31.03.2021 in terms of order dated 08.04.2019 in the present case will remain as already directed.

3) It was further informed that the Hon'ble Tribunal vide its order dated 21.05.2020 in OA No. 593 of 2017 at Para 8 [47(i) &ii)] has directed as under:

- i) 100% treatment of sewage may be ensured as directed by this Tribunal vide order dated 28.08.2019 in O.A. No. 593/2017 by 31.03.2020 at least to the extent of in-situ remediation and before the said date, commencement of setting up of STPs and the work of connecting all the drains and other sources of generation of sewage to the STPs must be ensured. If this is not done, the local bodies and the concerned departments of the States/UTs will be liable to pay compensation as already directed vide order dated 22.08.2019 in the case of river Ganga i.e. Rs. 5 lakhs per month per drain, for default in in-situ remediation and Rs. 5 lakhs per month per STP for default in commencement of setting up of the STP
- ii) Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning till 31.03.2021 in terms of order dated 08.04.2019 in the present case will remain as already directed. In default, compensation will be liable to be paid at the scale laid down in the order of this Tribunal dated 22.08.2019 in the case of river Ganga i.e. Rs. 10 lakhs per month per STP.

Further, in para 13 of order dated 21.05.2020 in OA No. 593 of 2017 has directed that as regards non-compliant STPs, further action may be completed by the State PCBs/PCCs and it may be ensured that there is 100% treatment of sewage and till STPs are set up, at least in-situ remediation takes place. However, on account of Corona pandemic which has affected several on-going activities, the timeline of levy of compensation in terms of order dated 28.08.2019 in O.A. No. 593/2017 read with order dated 06.12.2019 in O.A. No. 673/2018, of 01.04.2020 may be read as 01.07.2020 and 01.04.2021 may be read as 01.07.2021. Further reports may be taken by the CPCB from all the State PCBs/PCCs as per the system evolved by the CPCB from time to time.

4) The Hon'ble Tribunal vide its order dated 1.6.2020 in OA No. 325 of 2015 in the matter of Lt. Col. Sarvadaman Singh Oberoi vs Union of India &Ors, has directed in Para No.6 that harvesting surplus water during excessive rains from any areas of catchment needs to be optimized by enhancing the capacity of the existing ponds/water bodies, creation of water harvesting structures in the sub-watersheds to the extent possible, apart from setting up of additional water bodies/water harvesting structures wherever viable,

utilizing available funds including under MGNREGA and involving the community at large at every level. Gram Panchayats can certainly play a significant role in the matter. Once adequate capacity enhancement of water bodies takes place, excess flood/rain water can be channelized by using appropriate water harvesting techniques. This action needs to be coordinated by the District Magistrates in coordination with the Department of Irrigation and Flood Control or other concerned Departments such as Department of Rural Development/Urban Development/Local Bodies/Forests/Revenue etc. The District Magistrate may as far as possible hold a meeting of all the stakeholders for the purpose as per the District Environment Plan or Watershed Plan within one month from today. The District Magistrates may also ensure that as far as possible at least one pond/water body must be restored in every village, apart from creation of any new pond/water body.

- 5) The State of Punjab has moved an application before Hon'ble National Green Tribunal for extension in timelines for remediation of legacy waste and for Commissioning of STPs. However, the Hon'ble Tribunal vide its order 17.9.2020 has rejected the prayer for extension in time.
- 6) The National Green Tribunal in its order dated 28.10.2020 in OA No 138 of 2016 and 139 of 2016 in the matter of Stench Grips Mansa's Sacred Ghaggar River and Yogendera Kumar has passed the detailed order and has given coercive directions and para no. 12 of the said directions is reproduced as under:

Para 12

We Accordingly direct the Chief Secretaries of the Himachal Pradesh, Punjab, Haryana and UT Chandigarh must meet (physically or online) within one month for brainstorming with reference to the recommendations of the Executing Committee for meaningful prompt action and fixing of the accountability for the erring officers. Such meeting may be convened and facilitated as per further direction in this order. Remedial action should not only include setting up of requisite equipment and interim measures but also making persons to whom the job is entrusted personally accountable in terms of their performance. After first meeting also, the four Chief Secretaries must meet atleast once in a month to take stock of the situation. First such meeting may be held on or before 30.11.2020 and meaningful action must be taken latest by 31.01.2021. In case of default, the Tribunal may have no option except to take coercive measures against the erring authorities.

Thereafter, the activity wise agenda of the meeting was taken up for discussion as under.

11.2 Confirmation of minutes of 10th meeting of the committee

The minutes of 10th meeting of the Monitoring Committee held on 13.08.2020 were circulated to all the members and no comments/objections have been raised by any member, as such, the minutes of the 10th meeting were confirmed.

11.3 Review of Monitoring of water quality of rivers

1. Status of water quality of polluted river stretches

It was apprised that presently out of the 4 polluted river stretches, water quality of river Sutlej (Ropar to Harike Bridge), Ghaggar (Mubarikpur to Sardulgarh), Beas (Along Mukerian) and Beas (Sultanpur Lodhi to confluence point to River Sutlej), has been observed varying between C to E, D to E, B and B, respectively.

It was further informed that water quality of 2 stretches of River Beas was meeting with Class B water quality criteria prescribed by CPCB and PPCB has taken up the matter with CPCB to remove 2 polluted river stretches of River Beas from the list of 4 polluted river stretches because these are meeting with Class B water quality criteria. However, CPCB has informed that these 2 river stretches shall be considered to phase out from polluted river stretches after continuous monitoring of these rivers stretches for 5 years.

The Monitoring Committee noted the observations in the matter.

2. Installation of Real Time Water Quality Monitoring Stations

PPCB reported as under.

- Out of 11 Real Time Water Quality Monitoring Stations (RTWQMS) (River Sutlej: 4, Beas: 1, Ghaggar : 4 and Budha Nallah : 2), 6 RTWQMS (3 in Budha Nallah, 2 in River Sutlej and 1 in River Ghaggar) have been setup.
- Remaining 5 RTWQMS shall be set up by 31.03.2021.

The Monitoring Committee noted the progress.

3. Development of low cost sensor to monitor various parameters of river water by IIT, Ropar

It was informed that IIT, Ropar has started the functioning on the project from 15.12.2020 and it would be completed by 31.03.2021.

After detailed discussion, it was directed that low cost sensor system after calibration shall be made operational by 30.04.2021.

4. Setting up of Integrated Dashboard for online Monitoring

It was reported that feasibility of incorporating the additional features in the existing dashboard has been discussed with NIC and accordingly upgradation and commissioning of dashboard after incorporating the additional features in the system shall be made by 30.04.2021.

The Chairman of the Monitoring Committee directed that PPCB shall ensure that dashboard after incorporating the additional features in the existing dashboard shall be made operational by 30.04.2021 and extension of the dashboard may be provided to Deptt. of Environment for online monitoring.

11.4 Review of monitoring of functioning of STPs in the catchment area

1. Status of STPs monitored in the month of November, 2020 and reasons for non-compliance of STPs and timelines for compliance

The Monitoring Committee was informed that out of 92 STPs being operated and maintained by the various departments of the State Government (PWSSB : 50, MES :

11, MCJ :6, MCL : 4, other ULBs : 8, DWSS : 4, GMADA : 3, PUDA : 1, BBMB : 2 and PSIEC : 3), 83 STPs (PWSSB : 47, MES : 10, MCJ :6, MCL : 4, other ULBs : 8, DWSS : 3, GMADA : 3, PUDA : 1 & BBMB : 1) have been monitored. 34% of STPs have been found non-compliant w.r.t. various parameters and capacity wise non-compliance of STPs was observed as 51%.

It was observed by the Monitoring Committee that most of the STPs have been failed w.r.t. F.Coli & BOD parameters and the data indicate that 8 STPs of capacity 81.9 MLD based on MBBR &SBR technology have been failed due to lack of operation and maintenance, 9 STPs of capacity 381.2 MLD based on UASB & WSP technologies require upgradation and 11 STPs of capacity 162 MLD have been failed w.r.t F.Coliform due to inadequate chlorination.

The Deptt. of Local Govt. assured that the department shall make practice to make payment of operation & maintenance charges on monthly basis to the STP operator and arrear of operation & maintenance charges shall be paid at the earliest after getting necessary funds from the Deptt. of Finance. With regard to upgradation of existing STPs to meet with the prescribed norms of BOD &F.Coli parameters, 6 months period is required for completion of the project.

The Deptt. of Water Supply & Sanitation informed that for upgradation of 02 STPs of capacity 8.7 MLD and 5.7 MLD installed for Muktsar town, tendering process has been started and upgradation in the treatment system shall be made within 6 months.

After detailed discussion, it was directed as under:

- a) **The Deptt. of Local Government shall upgrade their existing STPs, which are not meeting with the prescribed standards w.r.t BOD, F.Coli& other parameters within 6 months.**
- b) **The Deptt. of Local Government shall make practice to pay operation and maintenance charges of STPs to the operator on monthly basis and arrear of the operation and maintenance charges shall be paid to the operator, within 3 months.**
- c) **The Deptt. of Water Supply & Sanitation shall upgrade its existing 02 STPs of capacity 8.7 MLD and 5.7 MLD installed for Muktsar town, within 6 months.**
- d) **All other departments MES, MCL, MCJ, other ULBs shall also make upgradation in their STPs within 6 months so that STPs may meet with the prescribed standards.**
- e) **PPCB shall collect the effluent samples at the inlet & outlet of all the existing STPs as special drive soon after 6 months and check the performance of all the STPs w.r.t all the parameters. In case STPs are found non-compliant, environmental compensation of suitable amount shall be imposed on the concerned department responsible for operation and maintenance of STPs.**

2 Operation and maintenance manual of STPs

In the last meeting held on 13.08.2020, it was directed that operation and maintenance manual may be prepared and finalized by a committee to be constituted by PPCB consisting of officer of PPCB, PWSSB, DWSS, DLG, PSCST & other concerned department.

Now, it has been informed that operation and maintenance manual has been finalized by Deptt. of Environment after incorporating the suggestions / inputs of committee members and was sent to PPCB on 29.10.2020.

After discussion of the issue, it was directed that PPCB shall get approval of operation and maintenance manual from the committee, constituted for the purpose, within one month and the same may be sent to the concerned authority for notification and said notification may be issued by the Department within next 15 days.

3 Action taken by PPCB against non-compliant STPs

It was informed that PPCB has filed legal action against 5 STPs (Jamalpur, Kapurthala, Pathanakot, Sultanpur Lodhi & Bhikhi) based on the various violations observed in the functioning of STPs and action against 191 non-compliant STPs is pending.

After detailed discussion, it was directed that PPCB shall complete its action against remaining 191 non-compliant STPs by 31.01.2021.

4. Progress of installation of OCEMS / CCTV

It was reported that out of total 92 STPs, where, OCEMS and CCTV cameras are required to be installed, for installation of OCEMS, 6 STPs are at DPR stage, 42 STPs are at tendering stage and OCEMS have been installed on 44 STPs.

Similarly, out of 92 STPs, CCTV cameras have been installed on 64 STPs and CCTV cameras to be installed on 8 and 20 STPs, are at tendering and DRP stage, respectively.

It was further informed that w.r.t. compliance of directions of Monitoring Committee given in 10th meeting, PPCB had constituted a committee to technical examine and ascertain the reason for major variations observed in the analysis results of newly installed OCEMS. The committee was also directed to comment about the best technology and suggest ways and means to minimize the manual interventions in samples based OCEMS.

PPCB reported that a technical committee of officers of various department was constituted to examine the issue and has submitted its report on 18.11.2020 mentioning that probe based OCEMS system is better as compared to samples based OCEMS system and require lesser manual intervention. The committee has recommended to preferably install probe based OCEMS system in STPs for online monitoring of the parameters.

The Monitoring Committee noted the compliance and directed that the Department of Science, Technology & Environment shall finalize the issue of installation of probe based OCEMS based on the recommendations made by technical committee constituted by PPCB and necessary order in this regard may be issued within 01 month and the concerned department be directed to install OCEMS of best

technology on the various STPs by the concerned department in time bound manner.

11.5 Review of monitoring of functioning of CETPs and ETps in the catchment area

1. Status of CETP Monitoring

It was reported as under:

- 4 CETPs of capacity 0.5 MLD, 5 MLD, 0.035 MLD and 15 MLD have been installed for treatment of electroplating industries, leather tanning industries, Jalandhar, bag tanning industries, Phillaur and cluster of dyeing industries of Bahadur-ke Road, Ludhiana, respectively.
- 15 CETP of Ludhiana has been found non-complaint since its commissioning May, 2020.
- PPCB has carried out monitoring of some of electroplating industries of Ludhiana area, but no particular mechanism could be ascertained/framed due to variable products, thickness of raw material and processes etc. It was suggested in the meeting that PPCB may select group of industries, which may have same raw material, process and products and assess the quantity of wastewater generation of each such unit and realistic mechanism can be devised for the purpose of calculation of discharge of each industry and its contribution to CETP for treatment.
- With regard to stagnation of untreated effluent near STP of capacity 3 MLD Phillaur, due to breaking of sewer line leading to STP, it was informed that the necessary repair of the damaged sewer line has been made and presently, there is no stagnation of untreated effluent.
- Regarding, joining of electroplating industries of Malerkotla to CETP, Focal Point, Ludhiana due to defunct stage of CETP, Malerkotla, it was reported that all the electroplating industries of Malerkotla send their electroplating effluent to CETP, Ludhiana.

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After detailed discussion on the issue, it was reported as under:

- a) **PPCB shall initiate action against non-compliant CETP 15 MLD capacity for cluster of dyeing industries of Ludhiana under the provisions of the Water Act, 1974 in a time bound manner.**
- b) **PPCB in consultation with CPCB shall devise mechanism for calculation of discharge of effluent from electroplating industries having same raw material, products and processes and transportation of effluent to CETP, Ludhiana for effective treatment.**
- c) **PPCB shall ensure that before allowing the operation of leather tanning industries of Leather Complex, Jalandhar, if permitted by the Hon'ble Punjab & Haryana High Court, it may be ensured that all the components of CETP are in operational conditions and effective mechanism may be adopted so as to meet with the prescribed standards.**

- d) **PPCB shall visit STP of capacity 3 MLD, Phillaur within 15 days to check as to whether sewer line leading to STP has been repaired and there is no stagnation of wastewater in the vicinity of STP.**
- e) **PPCB shall visit the electroplating industries of Malerkotla to check as to whether these industries are sending their wastewater to CETP, Ludhiana and no unauthorized outlet is maintained by any industry and there is no discharge of electroplating effluent into sewerage system or drain or any other mode of disposal.**

11.6 Setting up of STPs

A) Installation of New/ upgradation/rehabilitation of STPs

It was apprised as under.

- No. of new STPs for river towns to be installed: 75
- No. of STPs to be upgraded: 13
- No. of new STPs to be installed for non-river towns: 57
- The timelines for installation of new STP and upgradation of existing STP : 31.03.2021 to 31.12.2023.

It was informed by the Monitoring Committee that the application submitted by State of Punjab for seeking extension in time for installation of new STPs / upgradation of existing STPs before the Hon'ble National Green Tribunal, has been rejected in the hearing held on 17.09.2020.

It was suggested in the meeting as under:

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- a) The Department of Local Government may prepare comprehensive statement mentioning the capacity of each STPs, time period for completion / upgradation of STP and may submit the same to the Monitoring Committee.
 - b) In order to improve the water quality of River Beas, STP in Sujampur area in Pathankot District may be installed in a time bound manner.
 - c) Further, for the towns where no sewerage system has been laid, a comprehensive project, comprising of sewerage system, installation of STP and utilization of treated wastewater of STPs for irrigation in nearby agricultural area, may be prepared.
 - d) In situ-remediation technology may be setup in the drains carrying untreated sewage and not connected to STPs by all the MCs before 30.6.2021 and in case of default, compensation of Rs. 5 lacs per month per drain shall be imposed.

After detailed discussion, the Monitoring Committee directed as under:

- i) **The Department of Local Government shall prepare comprehensive statement mentioning the capacity of each STPs, time period for completion / upgradation of STP and may submit the same to the Monitoring Committee.**
- ii) **MC, Sujampur shall install STP to treat sewage of Sujampur town by 31.03.2021 so as to improve the water quality of River Beas.**
- iii) **Deptt. of Local Government shall prepare comprehensive project for the towns where no sewerage system has been laid, which may include laying**

of sewerage system, installation of STP and utilization of treated wastewater of STP for irrigation in nearby agricultural fields.

- iv) In situ-remediation technology may be setup in the drains carrying untreated sewage and not connected to STPs by all the MCs before 30.6.2021, failing which Hon'ble NGT may impose environmental compensation of Rs. 5 lacs per month per drain.
- v) PPCB shall collect the effluent samples at the inlet and outlet of in-situ remediation technology setup in the drains within 15 days.

B) Submission of performance guarantee of Rs. 5 crores to CPCB in compliance to order dated 08.04.2019 in OA No. 673 of 2018.

It was reported that in order to comply with the orders of Hon'ble NGT in OA No. 673 of 2018 w.r.t 4 polluted river stretches identified in the State, the State Government has directed PPCB on 31.12.2020 to submit the performance guarantee of Rs. 5 crores on behalf of State Government to CPCB.

The Monitoring Committee noted the compliance.

It was further decided in the meeting that in case any officer of any MC/Department on directions given by the Monitoring Committee, fails to submit bank guarantee to perform an activity w.r.t. compliance of Solid Waste Management Rules, 2016 and installation of pollution control system within the given time, disciplinary action will be initiated against the erring officer by the department. It was further decided that in case the said activities are not performed/work is not completed within the given time, and bank guarantee is encashed by Punjab Pollution Control Board, the department may think of recovering the said amount from the said officer as directed by Hon'ble National Green Tribunal in its order dated 28.8.2019 in OA No. 593 of 2017 in the matter of Paryavaran Suraksha Samiti & Anr. Vs. Union of India & Ors.

The said direction of the Monitoring Committee may be conveyed to all the Municipal Councils/departments separately by the Department of Local Government.

11.7 Review of progress of setting up of new CETPs

1) 40 MLD CETP for cluster of dyeing industries of Focal Point, Ludhiana

PPCB reported that construction work of CETP has been completed and hydraulic testing of civil structure has been started and will be commissioned by 28.10.2020.

2) 50 MLD CETP for cluster of dyeing industries of Tajpur Road & Rahon Road, Ludhiana

PPCB informed that about 80% civil work of CETP has been completed. The central share amounting to Rs. 13.5 cores has been received in November, 2020. However, the electric connection for CETP is also pending.

3) 0.15 MLD CETP at Focal Point, Jalandhar.

It was reported that the construction work of CETP has been stopped due to stay order granted by Hon'ble Punjab & Haryana High Court in CWP No. 1483 of 2020 titled as Jalandhar Human Welfare Society Vs State of Punjab. The next date in the case is on 15.02.2021.

4) Upgradation of existing 5 MLD CETP for Leather Complex, Jalandhar

PPCB informed that in order to upgrade the existing CETP of capacity 5 MLD, SPV, Leather Complex, Jalandhar has submitted its proposal to the Central Government through DIPP for getting funds. The timelines for upgradation of CETP can be submitted only after finalization of flow of funds to be provided by the Central Government.

After detailed discussion, it was directed as under:

- **40 MLD CETP for cluster of dyeing industries of Focal Point, Ludhiana may be commissioned by 28.02.2021.**
- **50 MLD CETP for cluster of dyeing industries of Tajpur Road & Rahon Road, Ludhiana may be completed by 31.03.2021. PPCB shall get apply for electric connection for CETP from SPV within 15 days.**
- **In order to get install 0.15 MLD CETP (Focal Point, Jalandhar), PPCB shall file stay vacation application before the Hon'ble Punjab & Haryana High Court before 15.02.2021 i.e. before the next date of hearing.**
- **PPCB shall take up the matter with Central Government to get release funds for early upgradation of 5 MLD CETP for leather complex, Jalandhar.**

11.8 Progress of setting up of ETPs/Biogas plants for dairy waste

1) Setting up of bio CNG plant at Tajpur Road, Dairy complex.

It was reported by PEDDA that proposal has been prepared for installation of biogas CNG plant at Tajpur Road, Dairy Complex by 31.07.2022 and accordingly National level expression of interest was invited for technology selection of the project, which was opened on 14.08.2020, but due to decision of State Government for shifting of dairies of Tajpur Road and Haibowal outside MC limits, the process for setting up of bio CNG plant at Tajpur Dairy Complex has been stopped.

It was informed by the Deptt. of Local Government that for shifting of Dairy Complex of Tajpur Road and Haibowal, the site has been identified and these dairies shall be shifted accordingly.

2) Setting up of the ETPs at Tajpur Road and Haibowal Dairy Complex, Ludhiana

It was submitted that the project, for setting up of ETPs for treatment of wastewater of dairies of Tajpur Road and Haibowal Dairy Complex, Ludhiana, has been covered under comprehensive plan prepared for installation of new STPs / upgradation of existing STPs of Ludhiana and the work has been allotted on 02.12.2020.

3) Setting up of the bio gas plant and ETP for Jamsheer Dairy Complex, Jalandhar.

Municipal Corporation, Jalandhar informed that tendering process for setting up of 1 MW bio gas plant for Jamsheer Dairy Complex has been completed and designing of project is under progress.

With regard to installation of ETP for treatment of wastewater of Jamsheer Dairy Complex, detailed project report of 2.25 MLD ETP has been approved by the State Level Technical Committee and tendering process has been started and work shall be awarded by 30.06.2021.

After detailed discussion it was directed as under:

- a) **The Deptt. of Local Government shall ensure that dairy complex at Tajpur Road and Haibowal are shifted to the site located outside MC limits, in a time bound manner.**
- b) **The Deptt. of Local Government shall prepare proposal for installation of bio gas CNG plant and effluent treatment plant for treatment of animal dung and wastewater of dairy complex and shall be installed simultaneously alongwith the commissioning of the dairy complex to be set up outside MC limits.**
- c) **For treatment of effluent from dairy complex Tajpur Road and Haibowal, ETPs of adequate capacity may be installed simultaneously along with the installation of new STPs / upgradation of STPs as covered under comprehensive plan prepared by the Corporation and the same shall be installed by 31.03.2021.**
- d) **16 Outlets from various localities of Ludhiana, falling into Budha Nallah may be closed simultaneously with the commissioning of new STPs / upgradation of STPs.**
- e) **Municipal Corporation, Jalandhar shall submit copy of detailed project report prepared for the bio gas plant to PEDDA within 15 days and PEDDA shall start further processes of installation of bio gas plant by 28.02.2021.**
- f) **Municipal Corporation, Jalandhar shall ensure that ETP for treatment of wastewater of Jamsheer Dairy Complex shall be installed by 31.03.2021.**

11.9 Review of progress of Action Plan for rejuvenation of ponds.

The Monitoring Committee was informed as under:

- i) The Action Plan for rejuvenation of ponds of Punjab was prepared and submitted to CPCB on 31.3.2020 in compliance of Hon'ble National Green Tribunal order dated 10.5.2019 in OA no. 325 of 2015 in the matter of Lt. Col. Sarvadhan Singh Oberoi Vs Union of India.
- ii) Department of Rural Development and Panchayat has identified 15466 rural and 249 urban ponds for rejuvenation in phased manner.
- iii) As per action plan, 1290 village ponds and 88 urban ponds are to be rejuvenated by the Deptt. of Rural Development & Panchayat and Department of Local Government, respectively, by 31.03.2021.

- iv) PPCB has analysed the water quality of 145 ponds out of 167 ponds taken in phase-1 for providing treatment facility in the catchment area of River.
- v) Out of 167 villages covered in phase-1, treatment facilities for 42 villages have been provided and work in 32 villages is under progress.
- vi) As per the directions of Hon'ble NGT in its order dated 18.11.2020 in OA No. 325 of 2015, the State Government has designated PPCB as Nodal agency for restoration of water bodies and 1st meeting is to be held on 31.01.2021 to take stock of the situation and plan further steps including directions to the District Authority for further course of action upto Panchayat level.

After detailed discussion, it was directed as under:

- i) PPCB shall collect the samples of remaining ponds of the villages out of 167 villages taken in phase-1, within 15 days.**
- ii) Department of Rural Development & Panchayats shall install treatment facility for treatment of sewage of remaining 125 villages by 31.03.2021.**
- iii) State Government shall comply with the order dated 18.11.2020 in OA no. 325 of 2015 in a time bound manner.**

11.10 Action Plan for cleaning Holy Bein.

It was submitted as under:

In compliance to order dated 6.12.2019 in OA No.673 of 2018, separate Action Plan for clean Holy Bein, a major tributary of river Beas, whose stretch from Sultanpur Lodhi to Harike has been declared as Priority-IV river stretch, has been submitted to CPCB after getting approved from RRC on 1.7.2020.

The detailed discussion on the activities to be carried out by the various departments to clean Holy Bein was held and it was observed as under:

- Total 13 local bodies are discharging their sewage into Holy Bein, out of which STPs by 8 Local bodies (Dasuya : 4 MLD, Tanda : 4 MLD, Begowal 2.5 MLD, Bholath: 4 MLD, Kapurthala: 25 MLD, Sultanpur Lodhi: 2.6 MLD, GE Kapurthala: 1 MLD & Sham Chursi: 1 MLD) have been installed.
- PPCB is monitoring the performance of STPs and observed that some of the STPs are not meeting with the prescribed norms.
- For installation of STPs for the remaining 4 local bodies/habitation area (Sultanpur Lodhi : 4 MLD & 1 MLD, Kartarpur : 4 MLD, Hariana : 2 MLD and Rewal & Colonies : 3 MLD), the timelines have been mentioned varying between 31.12.2021 to 30.09.2022. STP Kapurthala of 25 MLD capacity has been upgraded.
- The Deptt. of Soil & Water Conservation has commissioned irrigation projects for utilization of treated sewage of 6 local bodies (Dasuya : 4 MLD, Begowal : 2.5 MLD, Bholath : 4 MLD, Kapurthala : 25 MLD, Sultanpur Lodhi : 2.6 MLD and Sham Chursi : 1 MLD).
- For the installation of irrigation scheme for reuse of treated wastewater of 6 local bodies/habitation area namely Tanda : 4 MLD, Sultanpur Lodhi : 4 MLD & 1 MLD, Kartarpur : 4 MLD, Rewal & Colonies : 3 MLD, MES Kapurthala : 1 MLD

and Haryana : 2 MLD, the timelines for installation of these schemes have been mentioned varying between 31.05.2022 to 31.08.2024.

After detailed discussion, it was directed as under:

- a) **PPCB shall monitor the performance of all the existing 8 STPs (Dasuya : 4 MLD, Tanda : 4 MLD, Begowal 2.5 MLD, Bholath : 4 MLD, Kapurthala : 25 MLD, Sultanpur Lodhi : 2.6 MLD, GE Kapurthala : 1 MLD and Sham Chursi : 1 MLD) on monthly basis.**
- b) **5 STPs (Sultanpur Lodhi : 4 MLD & 1 MLD, Kartarpur : 4 MLD, Haryana 2 MLD, Rewal & its Colony : 3 MLD) shall be installed by 30.06.2021.**
- c) **In-situ remediation technology in the drains carrying untreated sewage and not connected to STPs shall be installed by 28.02.2021 by the concerned Local Bodis/MCs.**
- d) **The Deptt. of Soil & Water Conservation shall ensure that all the existing irrigation schemes, laid for utilization of treated sewage are in operational conditions.**
- e) **The irrigation schemes for the 7 STPs (Tanda : 4 MLD, Sultanpur Lodhi : 4 MLD & 1 MLD, Kartarpur : 4 MLD, Rewal & Colonies : 3 MLD, MES Kapurthala : 1 MLD and Haryana : 2 MLD) may be commissioned by 30.06.2021. For arrangements of funds for installation of irrigation schemes, the Secretary, Local Government shall take up the matter with State Government.**

11.11 Revision of Action plan for reuse of treated wastewater of STPs

It was informed as under:

- a) As per the directions of Hon'ble NGT in its order dated 21.05.2020 in OA No. 593 of 2017, revised action plan for reuse of treated wastewater has been prepared.
- b) 47 irrigation projects have been completed by the Deptt. of Soil & Water Conservation for use of 243.3 MLD treated wastewater of STPs for irrigation.
- c) The Deptt. of Soil & Water Conservations shall utilize the treated sewage 1519.3 MLD for irrigation by 31.03.2025 for which the project, costing Rs. 479 crores, has been sent to State Government for providing funds for the same.
- d) The Deptt. of Local Government has proposal to use treated sewage (52 MLD) for urban land escaping, green belts and sprinkling to control dust and fire brigade and same shall be implemented by 31.12.2023.
- e) PPCB has proposal to pursue the industries like Rolling Mills, Induction Furnaces and Agro Based Paper Mill to utilize 1.5 MLD treated sewage by 31.03.2022.

After detailed discussion, it was directed as under:

- a) **All the departments namely Deptt. of Soil & Water Conservation, Deptt. of Local Government and PPCB shall get install irrigation schemes / evolve mechanism to reuse treated sewage for irrigation/urban areas for landscaping, green belts and sprinkling to control dust and in the industries like rolling mills and induction furnaces simultaneously alongwith the commissioning of the STPs.**
- b) **The Deptt. of Soil & Water Conservation shall take up the matter with State Government through its Administrative Department for arrangement of funds, amounting to Rs.479 crore, for utilization of treated sewage for irrigation.**

11.12 Release of 200 cusec water into Budha Nallah

It was reported that the work has been commenced for release of 200 cusec water into Budha Nallah and project shall be completed by 30.4.2021.

The Monitoring Committee noted the progress.

11.13 Maintaining minimum Environmental Flow in river

It was informed that 15% of the average lean flow is being maintained in river Sutlej (640 cusec) and Beas (370 cusec) by the Deptt. of Water Resources.

The Monitoring Committee noted the progress

11.14 Management of Septage & Faecal Sludge

It was informed that in order to comply with the decision of the Executing Committee, constituted by Hon'ble NGT, in its 16th meeting held on 26.08.2019 and Hon'ble NGT order dated 28.10.2020 in OA No. 138 of 2016 and 139 of 2016, a technical committee, constituted by the State Government, has prepared Draft Punjab Septage Management Act, 2020 for providing environmentally sound management system for handling, transport, treatment and disposal of septage generated in urban and rural areas of the State. The comments of the stakeholder departments (DLG, DLDP, DWR) have been sought on the Draft Act by 05.01.2021.

After detailed discussion on the issue, it was directed that the stakeholder departments namely Deptt. of Local Government, Deptt. of Rural Development & Panchayat and Deptt. of Water Resources shall submit their comments on Draft Punjab Septage Management Act, 2020 within 10 days.

11.15 Additional decisions taken by the Committee in 10th Meeting held on 13.08.2020.

a) Analysis of sludge of STPs located in the industrial towns.

In the last meeting, it was directed that Punjab Pollution Control Board shall increase its surveillance/surprise inspection of electroplating industries of those areas where metal contents has been observed in the sludge and action under the provisions of the Water Act, 1974 may be taken against the defaulting industries.

After detailed discussion, it was directed that PPCB shall continue to make surprise inspection on the electroplating industries of those areas, where metal contents has been observed in the sludge and action may be taken under the provisions of Water Act, 1974 against the defaulting industries in a time bound manner.

b) Plantation along Budha Nallah on its both sides by Municipal Corporation, Ludhiana (within MC Limits) and Department of Rural Development & Panchayats (outside MC limits).

In the last meeting, it was directed that Municipal Corporation, Ludhiana shall make plantation along Budha Nallah within the MC limits and Department of Rural Development and Panchayat outside MC limits within 3 months.

After detailed discussion on the issue, it was directed as under:

- a. Municipal Corporations namely Ludhiana, Jalandhar and Phagwara shall start plantation drive to plant trees along Budha Nallah, Kala Singhian drain, East Bein and Phagwara drain within MC limits in the 2nd/3rd week of February, 2021 and the said drive may be continued for 15 days. The efforts may be made to plant medicinal trees along the drains/nallahs carrying wastewater to attenuate air pollution/odor emissions.
- b. The Department of Rural Development & Panchayats shall start plantation drive to plant trees along Budha Nallah, Kala Singhian drain, East Bein and Phagwara drain outside MC limits in the 2nd/3rd week of February, 2021 and the said drive may be continued for 15 days. The efforts may be made to plant medicinal trees along the drains/nallahs carrying wastewater to attenuate air pollution/odor emissions.
- c. The Department of Water Resources shall start plantation drive to plant trees along canals/rivers passing through the State of Punjab in the 2nd/3rd week of February, 2021 and the said drive may be continued for 15 days.
- d. The Department of Forests shall keep ready sapling of trees for the said plantation drive in the end of January, 2021 so that these may be provided to the Municipal Corporations/Departments as mentioned above.
- e. Municipal Corporations namely Ludhiana, Jalandhar and Phagwara, Department of Rural Development & Panchayats and Department of Water Resource shall submit the statement showing the number of trees planted in the area and the length of drains/nallahs/canals/rivers covered for plantation after the completion of the plantation drive to the Monitoring Committee

Note:1: It is clarified that the timelines mentioned for installation/upgradation of sewage treatment plants, installation of irrigation schemes, installation of treatment facility for treatment of wastewater of village ponds, installation of In-situ bio remediation technology to be installed in the drains carrying untreated sewage or any other activity by the MCs/Departments are their own timelines, whereas the Hon'ble National Green Tribunal has directed to install treatment systems by 31.3.2021 and for the delayed period beyond the said period, environmental compensation of suitable amount may be imposed on the violating MCs/Departments as per the directions of the Hon'ble National Green Tribunal.

sd/

Dr. Babu Ram

sd/

Sant Balbir Singh Seechewal

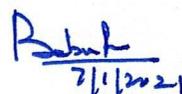
sd/

S.C. Agrawal

Sd/

Justice Jasbir Singh,
Former judge Punjab and Haryana
High Court and as Chairman of the
Monitoring Committee

Note 2 : The Chairman and Members of the Monitoring Committee have given their concurrence on the minutes of the meeting


2/1/2021