

## **Agenda**

**for the 5<sup>th</sup> meeting of Monitoring Committee set up by NGT  
to review progress of Implementation of Action Plans for Clean Rivers**



**Date: 23<sup>rd</sup> June, 2019**

**Time: 3 pm**

**Venue: Committee Room, PSCST**

**Directorate of Environment and Climate Change  
Department of Environment  
Government of Punjab**

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**Agenda No. 5.1 Leave of Absence**

1. Following members of the Committee and Departments have been invited for the meeting:

**Members of the Committee**

- (i). Justice Pritam Pal, Chairperson
- (ii). Sh. Subodh Agrawal, Senior Member
- (iii). Sh. Babu Ram, Member
- (iv). Sant Baba Seechewal, Member
- (v). Sh. A. Sudhakar, Member
- (vi). Sh. Niraj Mathur, Member
- (vii). Sh. Satish Chandra, IAS, Additional Chief Secretary, Home – Special Invitee
- (viii). Sh. Sanjay Kumar, IAS, Additional Chief Secretary, Sports and Youth Affairs – Special Invitee

**Departments of the State Government** invited for the meeting

- (i). Administrative Secretary, Department of Local Government
  - (ii). Administrative Secretary, Department of Rural Development
  - (iii). Administrative Secretary, Department of Industries and Commerce
  - (iv). Administrative Secretary, Department of Housing and Urban Development
  - (v). Administrative Secretary, Department of Soil and Water Conservation
  - (vi). Administrative Secretary, Department of Water Supply & Sanitation
  - (vii). Administrative Secretary, Department of Health & Family Welfare
  - (viii). Administrative Secretary, Department of Water Resources
  - (ix). Chairman, Punjab Pollution Control Board
  - (x). Commissioner, Municipal Corporation, Ludhiana
  - (xi). Commissioner, Municipal Corporation, Jalandhar
2. Leave of absence may be granted to those, who are unable to attend the meeting.

**Agenda No. 5.2 Confirmation of the proceedings of the 4th Meeting**

1. The minutes of the 4<sup>th</sup> meeting of the monitoring committee have been circulated to all the members & departments vide Letter No. DECC/2019/770-780 dated 01.07.2019.
2. The minutes may accordingly be confirmed.

**Agenda No. 5.3      Action taken on decisions of previous meetings and Field visits of the Committee**

The expanded Committee has so far held 4 meetings. In addition, the committee has made following visits to various cities to inspect the STPs/ CETPs/ industrial units and other facilities:

- (i) Field visit on 01.05.2019 to Ludhiana
- (ii) Field visit on 08.05.2019 to Jalandhar
- (iii) Field visit on 22.05.2019 to Kapurthala and SultanpurLodhi
- (iv) Field visit on 28.05.2019 to various industries at Patiala
- (v) Field visit on 14.06.2019 to industry at DeraBassi
- (vi) Field visit on 03.07.2019 to STP at DeraBassi
- (vii) Field visit on 04.07.2019 to 15 MLD CETP at Ludhiana

The details of the pending action on various decisions of the previous meetings and field visits of the Committee are given in **Annexure-1**.

The same will be reviewed by the Committee.

**Agenda No. 5.4      Review of monitoring of Water Quality of Rivers**

1. The existing system of taking monthly measurement of the quality of surface water through manual procedure by PPCB has not been found to be adequate as the same is not accompanied by interpretation and analysis of results. PPCB is now setting up 11 real time water quality monitoring stations (RTWQMS), which will be operational w.e.f. 1<sup>st</sup> December 2019. Two RTWQMS will be installed on Buddha Nallah.
2. The Department of Environment has further taken up the matter with IIT Ropar, which has considerable strength in water quality management for developing a suitable model for monitoring of quality of water using RTWQMS and other IoT based devices. The online monitoring devices installed on STPs and ETPs will also be integrated in the new monitoring system to locate the sources of pollution and also to forecast quality of water.
3. The Department will finalize the modalities expeditiously by 30<sup>th</sup> August 2019.
4. The Committee may accordingly review the matter.

**Agenda No. 5.5 Review of monitoring of functioning of STPs in the catchment area**

**1. 100% Checking of STPs by PPCB for the month of June 2019**

The status of non-compliance of existing STPs for the month of June 2019 on the basis of inspections carried out by PPCB is as follows:

	Total Number of STPs	No of STPs inspected	No. of Non-compliant STPs	% of Non-compliance
No. of STPs	86	82	34	41
Capacity (in MLD)	1320	1310	718	55

25 STPs have consistently been found non-compliant during last six months.

**2. Reasons for non-compliance of STPs**

The top reasons for non-compliance of the STPs for the month of June 2019 as reported by the respective agencies are given below:

	Mixing of industrial effluents & dairy waste	Cleaning of FPU's in case of UASB based STPs	Inadequate Chlorination	De-silting of ponds in case WSP based STPs	Other reasons
No of STPs	3	4	12	6	11
Cap (in MLD)	250	336	112	18	135

**3. Action Taken by PPCB against non-compliant STPs**

Action taken by PPCB against non-compliant STPs is given below:

Month	Total no. of STPs found non-compliant	No. of cases filed without any action	New PBG/ EC	Cases filed for prosecution	No. of pending cases
April, 19	34	-	3	-	31
May, 19	46	-	-	2	44
June, 19	34	1	-	-	33
<b>Total</b>	<b>114</b>	<b>11</b>	<b>4</b>	<b>2</b>	<b>97</b>

In order to ensure cases are disposed of within 45 days, the time limit prescribed in the Act, the power to dispose of these cases shall be delegated to Regional Officers for expeditious disposal and following an objective criteria, which may be laid down for guidance of the officers. The Senior Environmental Engineers and Chief Engineers shall be entrusted to monitor the quality and quantity of the work being disposed of by Regional Officers as decided in the RRC meeting held on 08.07.2019.

As per NGT's directions in various cases, the failure of the regulator to take action as per rules and regulations shall make them liable for action including recovery of environmental compensation and disciplinary action against the erring officers including recoveries from the erring officers. PPCB to expedite action in the pending cases.

#### 4. Action Taken by Agencies against the Operators/ Contractors

The following recoveries have been made by the departments from STP operators payments for non-compliance in the last quarter:

Recoveries made by various agencies (in lacs)				
Month	PWSSB	MC Ludhiana	MC Jalandhar	GMADA
April, 19	23.96*	-	-	
May, 19	1.55	-	-	2
June, 19	0.048	50.88	5.27	
<b>Total</b>	<b>25.558</b>	<b>50.88</b>	<b>5.27</b>	<b>2</b>

The recoveries are not up to date and the agencies shall make the operators fully responsible for achieving the prescribed standards and failure shall lead to penalties and recovery thereof.

#### 5. Action Taken against Supervisory Staff

No action has been taken against supervisory staff by any agency.

#### 6. Progress of installation of OCEMS/ CCTV

Against a total of 86 existing STPs, CCTVs has been fixed on 48 STPs by various agencies. However OCEMS has been fixed only on 3 existing STPs.

Manual monitoring systems have not yielded results and therefore directions were issued to all STPs to install OCEMS/ CCTV by 30.11.2019. The progress is



very slow and directions shall be reiterated by PPCB and it shall be made clear that failure to install OCEMS/ CCTV in time shall invite penalties/ EC.

**7. Submission of Monthly Information**

Timely information has not been received from the Department of Housing & Urban Development and of the STPs pertaining to MCs.

**Agenda No. 5.6      Review of monitoring of functioning of CETPs in the catchment area**

**1.    Monitoring of CETPs for the month of June 2019 by PPCB**

CETP leather has been found consistently non-compliant during the last quarter. Due to Chairman's personal supervision, the performance has improved. PPCB to fix the responsibility and SOP for Officers at different levels for ensuring that CETPs function effectively.

**2.    Special Report regarding CETP for Electroplating**

The Monitoring Committee in the last meeting held on 20.06.2019 directed PPCB:

- (i).    To submit detailed report regarding CETP for electroplating units as it is not receiving effluents as per the capacity of the industries and some industries are not giving effluents to CETP at all or partly.
- (ii).    Strengthening of the GPS based IT system for monitoring the quantity lifted and the movement of tankers deployed for collecting the effluent.
- (iii).    There is an urgent need to improve the functioning of electroplating CETP as well.

Report is still awaited from PPCB.

## Agenda No. 5.7 Review of monitoring of functioning of ETPs installed by industries

### 1. Inspection of ETPs by PPCB during the month of June, 2019

PPCB has inspected 41 ETPs (8% of total ETPs) and 7 have been found non-compliant. Only 2 ETPs inspected by SEE. Number of inspections has been reduced in the month of June 2019 and no inspections by CEE, Chairman or third party have been carried out as decided as earlier by the Committee.

The average Non Compliance during the last quarter is to the tune of 29%, which is very high, which must be brought down to 5% in the next quarter.

PPCB shall accordingly strengthen its enforcement mechanism.

### 2. Action Taken by PPCB against non-compliant ETPs

The action taken by PPCB against non-compliant units is summarized below:

Month	No. of ETPs found non-compliant	Cases filed without action	PBG	Prosecution	Pending cases
April, 19	21	1	2	2	16
May, 19	11	-	-	-	11
June, 19	7	-	-	1	6
<b>Total</b>	<b>39</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>33</b>

As per Act, PPCB shall dispose the cases within 45 days. Delay in taking action defeats the purpose of the inspections. There is need to delegate the powers to ROs/ SEEs with other Senior Officers supervising the work both quantity and quality of work. Objective guidelines may be framed for guidance of the officers.

### 3. Installation of OCEMS by Industries

The current status is as follows:

Total No. of Industries required to install OCEMS	No of units commissioned OCEMS	No of units installed OCEMS	No of units finalized order	No of units yet to initiate action
115	2	2	4	107

The progress for installation of OCEMS is very slow. PPCB to fix the responsibility of the Regional Officers for such a lackluster performance.

**Agenda No. 5.8 Review of progress of setting up of New / Up-gradation of STPs**

**1. Current Status of Projects**

The summary of the progress with regards to setting up of new/up-gradation/rehabilitation of STPs is as under:

Target	Timeline as per NGT	Progress upto 30th June, 19			
		DPR under Preparation	Tender Initiated	Work in Progress	Completion
88 STPs	31.03.21	5	65	18	0

**2. Observations of the Department of Environment**

(i). Non-compliance of NGT direction

The Department of Local Government has not revised the timelines in line with directions issued by NGT to complete all the infrastructure works within two year of 1.4.2019. Lack of compliance may invite action from NGT.

(ii). Funds yet to be tied up

The Department of Local Government has not tied up funds for 30 towns/ STPs to be set up for an amount of 650 crores. It was suggested to the Department to examine the low cost option recommended by technical committee under Chairman, PPCB for rural areas. This will reduce the financial requirement substantially.

(iii). Land Acquisition yet to be done

There are 11 cases where land is yet to be acquired. The Department to expedite the efforts.

(iv). Delays in the projects under execution

More than 30 STP projects are delayed/ behind the schedule.

**Agenda No. 5.9 Review of Progress of Setting up of new CETPs**

**1. Current status of Progress of Projects**

S no.	Project	Target Date of Completion	Progress upto 30th June, 19		
			DPR	Tender	Status of Work
1	Setting up of 15 MLD CETP at Ludhiana	30.06.19	100%	100%	80%
2	Setting up of 40 MLD CETP at Ludhiana	31.08.19	100%	100%	62%
3	Setting up of 50 MLD CETP at Ludhiana	31.01.20	100%	100%	20%
4	Setting up of 0.15 MLD CETP at Jalandhar	31.03.20	100%	100%	5%
5	Up-gradation up of 5 MLD CETP and setting up of 6 MLD at Leather Complex, Jalandhar	-	50%	-	DPR under vetting with CLRI

**2. Observations of the Department of Environment**

(i). Setting up of 15 MLD CETP at BahadurKe Road

PPCB has been consistently assuring in the meetings that 15 MLD CETP at BahadurKe Road will be commissioned by 30<sup>th</sup> June 2019. It has been learnt that the SPV has neither obtained electricity connection nor laid the pipeline for final disposal of treated effluents. And PPCB failed to monitor the project and escalate and resolve the issues in time and thus rendered itself liable for action in terms of various NGT directions.

PPCB must take action in the matter including environmental compensation for failure to set up the CETP in time. PPCB shall also initiate action against the concerned R.O. and other supervisory staff for not taking timely corrective actions.

(ii). Setting up of 40 MLD and 50 MLD CETPs

PPCB shall ensure through appropriate legal directions to operationalize these two CETPs as per timelines failing which action including environmental compensation shall be taken as already directed by NGT

sub-committee.

(iii). Work on 0.15 MLD CETP at Jalandhar

The work for setting up of 0.15 MLD CETP for electroplating units has started but stopped on public protest. PPCB has examined the proposal and there is nothing against the project on merit. PPCB was accordingly advised to seek the assistance of District Administration in going ahead of the project.

(iv). Work on 5 MLD CETP, Leather Complex

No timeline given by the SPV for up-gradation of 5 MLD CETP and additional 6 MLD module at Leather Complex at Jalandhar. PPCB reported that DPR is under vetting by CLRI. PPCB to provide the clear timelines.

(v). Legal Framework for setting up of CETPs to be finalized

PPCB to frame rules & put in place a legally binding system for successful operation & management of the proposed CETPs. This issue has been pending since long time and PPCB to expedite the action in this regard.

(vi). Identification of New CETPs across Focal Points

PPCB to expedite the work on identifying the need for CETPs across all the Focal Points for which Committee has already been constituted by Department of Industries.

The Committee may review the status.

**Agenda No. 5.10 Reconciliation of Domestic Wastewater & Industrial Effluents for Ludhiana City**

1. The quantity and quality of discharge of treated effluents into municipal sewer has been a cause of disagreement between Municipal authorities and Punjab Pollution Control Board. The matter had particularly aggravated when NGT vide order dated 14.11.18 imposed a penalty of Rs. 50 Crores as environmental compensation in Sobha Singh Vs. State of Punjab in OA no. 916 of 2018 to be recovered from erring ULBs, Industries and others.
2. Municipal Corporation, Ludhiana took samples of industrial effluents as well as measured quantities and claimed that excess quantity and untreated effluents are being discharged in the municipal sewer leading to failure of STPs. PPCB on the other hand maintained that MCL was not competent to take the samples or measure the quantity of effluent.
3. Reasonable estimation and projection of quantity of domestic waste water and industrial effluents is essential for framing suitable strategies and design of STPs and CETPs and their subsequent operation and maintenance. The mixing of domestic sewage and industrial effluents is the root cause of the problem of Buddha Nallah, which has not been addressed by the authorities. The mixing leads to lack of accountability between MCL, Department of Local Government and PPCB.
4. The matter has been under the consideration of the Steering Committee for Buddha Nallah under the Chairmanship of Chief Secretary, Punjab, the State Apex Committee under Chief Secretary for review of various Environment Protection Action Plans prepared as per NGT's directions, and NGT Committee in various meetings.
5. In pursuance of the same, the Department of Environment has taken follow up meetings with Department of Local Government, PWSSB, MCL & PPCB on 09.05.19, 06.06.19, 18.06.19 and 18.07.19 and a draft report has been prepared by MCL based on jointly verified data from MCL and PPCB. The following points have emerged:
  - (i). MCL and PPCB have jointly mapped all the textile dyeing units (red category), conveyance systems of three CETPs, major & minor outlets discharging directly into Buddha Nallah on GIS. The relevant data has been corrected and verified and there are no disputes regarding data now.
  - (ii). A number of units have been left out, which are not member of any of the CETPs and the matter needs to be reviewed.

- (a). 13 large scale units have already been directed by PPCB to achieve the discharge standards at par with CETP.
  - (b). Around 10 units falling within 1 km distance from the conveyance system of 3 CETPs can be connected with the CETPs.
  - (c). Around 30 units located in Industrial Area A may setup CETP in the 3 acre industrial plot lying vacant. PPCB shall take necessary action.
  - (d). Stringent measures shall be proposed for the remaining units not connected to CETPs.
- (iii). There is no legal direction regarding setting up of CETPs and thereafter operating them smoothly.
  - (iv). There shall be no connection with Municipal Sewer once connection to CETP is given. The domestic connection of the Industry should also be connected to CETP.
  - (v). MC shall not give any fresh connection or increase the capacity of existing connection.
  - (vi). MC shall disconnect the connection given to industry when the same is connected to CETP conveyance.
  - (vii). The electroplating industries (red category) and washing units (orange) are also being marked on the map. The working of CETP for Electroplating has also been reviewed and it has been revealed that not all the effluent is being picked up by CETP and there are issues of monitoring the lifting of effluents of electroplating industries.
  - (viii). Directions to Dairies not to discharge their waste directly into Buddha Nallah
6. A presentation on the draft report will be made in the meeting.
7. The Committee may accordingly review.



**Agenda No. 5.11 Review of progress of other miscellaneous issues**

**1. Progress of setting up of ETPs/ Biogas Plants for Dairy and Misc. Waste**

MCL to finalize the issue regarding shifting of Dairies without further delay.

MCJ to provide firm timelines for setting up of ETP & Biogas Plant for Jamseher Dairy Complex.

**2. Release of 200 cusec water to Buddha Nallah**

DWR reported that the estimate of Rs. 5.77 crore prepared by the Department for release of 200 cusec of water to Buddha Nallah stands submitted to PPCB and MCL for funding. The said proposal can be funded jointly by PPCB and MCL on 50:50 basis.

**3. Feasibility of reuse of treated wastewater of STPs of Ludhiana City**

Department of Soil Conservation is carrying out feasibility study for reuse of treated wastewater of STPs of Ludhiana City for irrigation purpose. The Study shall be completed by September 2019.

**4. Feasibility of revival of lower Buddha Nallah**

The Department of Water Resources is re-examining the feasibility of revival of lower Buddha Nallah.

**5. Preventing dumping of Solid Waste into Buddha Nallah**

The Municipal Corporation, Ludhiana has converted 500 meter stretch of Buddha Nallah into model stretch by installing of CCTV Cameras.

**6. Review of the progress regarding organization of Health Check-up Camps**

The Department of Health reported the district wise data of the cases of Acute Diarrheal Diseases and Hepatitis A&E. It has been further intimated that epidemiological studies needs to be carried out to establish co-relation with the diseases caused due to water pollution.

**Agenda No. 5.12 Review of Progress for Setting up of Treatment Facilities in Villages**

The Department of Rural Development & Panchayats reported that DPR for 167 villages to be taken up in Phase-I has been completed. The work in 28 villages of Phase-1 is under progress and is likely to be completed by 31.08.2019.

The Committee may kindly review the current Status.