

Proceedings of the 3rd Meeting of NGT Monitoring Committee held under the Chairmanship of Justice Pritam Pal, Former Judge, Punjab & Haryana High Court to review progress of implementation of Action Plans for River Sutlej, Beas & Ghaggar on 29.05.2019 at 11.00 am in Conference Room of PSCST, MGSIPA Complex, Chandigarh

Agenda No. 3.1 Leave of Absence

1. The following Members of the Committee attended the Meeting

Members of the Committee	Sh. Subodh Agrawal
	Dr. Babu Ram
	Sh. Balbir Singh Seechewal

2. Sh. J.Chandra Babu, CPCB and Sh. Niraj Mathur, RPCB, members of NGT Monitoring Committee could not attend the meeting because of their pre-occupations.
3. The following Officers from various Departments attended the meeting:

Department of Science, Technology & Environment	Sh. Rakesh Kumar Verma, IAS, Principal Secretary Sh. Keshav Hingonia, IAS, Additional Secretary Sh. Pardeep Garg, Joint Director Sh. Gurharminder Singh, SSO Ms. Manak Bola, JRF
Department of Local Government	Ms. K P Brar, IAS, Commissioner, MC, Ludhiana Sh. Sanyam Aggarwal, IAS, Additional Commissioner Sh. MukulSoni, Chief Engineer Sh. Rajinder Singh, SE (O&M) Sh. Ravinder Garg, SE (O&M)
Punjab Water Supply & Sewerage Board	Sh. K.P. Goyal, EIC/TA Sh. Mukhtiar Singh, CE, West Ms. Lata Chauhan, XEN
Punjab Pollution Control Board	Sh. S.S. Marwaha, Chairman

	Sh. Krunesh Garg, Member Secretary Sh. Gulshan Rai, CEE
Department of Rural Development & Panchayats	Sh. Jaskiran Singh, IAS, Director, Sh. Devinder Kumar, SE
Department of Industries & Commerce	Sh. S.K. Sharma, PSIEC
Department of Water Resources	Sh. Sanjiv Gupta, CE Sh. Ashutosh Kumar, EE
Department of Soil & Water Conservation	Sh. Dharminder Sharma, CCS Sh. Baljinder Singh, SDSCO
Department of Housing & Urban Development	Sh. Balwinder Singh, SE, GLADA, Ludhiana Sh. BhagwanDass, DE (PH-I), GMADA
Department of Water Supply & Sanitation	Sh. N.K. Sharma

Agenda No. 3.2 Confirmation of the proceedings of the 2nd Meeting

Proceedings of the 2nd meeting of Monitoring Committee held on 24.04.19 were confirmed.

Agenda No. 3.3 Review of monitoring of Water Quality of Rivers

The Committee noted that there is no improvement in class of water quality in April, 19 in comparison to average results of last financial year. The Committee directed as under:

- (i) The Board shall take into account the flow while interpreting the results.
- (ii) The Board should analyze the deterioration of quality at any particular location with respect to responsible factors such as domestic sewage, industrial sewage or any other sources in the surrounding area in the stretch of the river after the previous location.
- (iii) The Board shall expedite installation of Real Time Quality Monitoring System on rivers particularly on river Sutlej covering Buddha Nallah.

Agenda No. 3.4 Review of monitoring of functioning of existing STPs in the catchment area

1. The progress on the decisions taken by NGT Monitoring Committee in the last meeting held on 24.04.19 are as under:

Sr. No.	Decisions Taken by NGT MC in the meeting held on 24.04.19	Status of Compliance	Remarks
1.	DLG to prepare comprehensive manual for O&M of all STPs for ensuring compliance to achieve the prescribed norms.	Not Complied	The Department is yet to prepare comprehensive manual for O&M of STPs. The Department assured that the O&M Manual shall be prepared within 30 days.
2.	Financial penalties must be imposed on contractors maintaining STPs, which don't meet the standards and suitable provisions must be built in the contracts, if required.	Partial Compliance	The Department has not provided the requisite report in the prescribed format. The Department informed during the meeting that some penalties have been imposed. The Department to provide the information as per prescribed format.
3.	Supervisory staff shall also be held responsible & accountable if there is no improvement in the functioning of the STPs. Their roles & responsibility shall be clearly documented and the same shall also be linked to their performance assessment.	Partial Compliance	DLG reported that they have already initiated taking action. The Details shall be given as per the format for progress report. The Role and Responsibilities of supervisory staff shall be covered in O&M manual.
4.	DLG will get all Bypass System of STPs sealed in presence of PPCB. In case of emergency, the department will break the seal and use the bypass under intimation to PPCB.	Not Complied	DLG will ensure necessary compliance in 30 days.
5.	DLG will ensure that all ULBs shall provide information w.r.t. generation of sludge in the	Not Complied	Only MCL provided information Department shall ensure that information w.r.t.

	prescribed format of PPCB.		sludge generation is provided by all ULBs/ other agencies operating STPs as per format. It is a crucial input to assess the working of the STP.
6.	Composite samples be taken by PPCB for STPs in Ludhiana & Jalandhar for the time being in view of shortage of staff.	Not Complied	PPCB to submit compliance report in this regard.
7.	PPCB shall expedite the process for recruitment of field staff after the election code of conduct.	Partial Compliance	PPCB informed that it has initiated the process for recruitment of field staff
8.	The online continuous monitoring system on STPs shall be made assessable to the members of Monitoring Committee, PPCB & DECC to see the compliances.	Not Complied	PWSSB to provide the access to the members of Monitoring Committee, PPCB & DECC.
9.	If the STPs continued to default except on account of industrial effluents then the concerned ULBs will liable to pay environmental compensation for polluting the rivers.	Not Complied	PPCB was asked to initiate action against the defaulting STPs including environmental compensation

2. The progress on the observations made by NGT Monitoring Committee during field visit to Ludhiana on 01.05.2019 are as under:

Sr. No.	Observations made by NGT Monitoring Committee	Status of Compliance	Remarks
1.	Chairman, PPCB shall take legal action under the provisions of Water Act, 1974 against Municipal Corporation, Ludhiana & Punjab Dyers Association, Ludhiana which has maintained un-authorized direct outlets into Budha Nallah through the sewerage system.	Partial Compliance	PPCB reported that it has initiated action.
2.	Chairman, PPCB shall take	Partial	PPCB reported that enquiry

	disciplinary action against Assistant Environmental Engineer looking after the area of Tajpur Road, for not reporting the existence of said unauthorized outlets into Budha Nallah.	Compliance	has been ordered.
3.	Chairman, PPCB shall direct Municipal Corporation, Ludhiana to remove all the outlets carrying industrial wastewater directly into Budha Nallah	Not Complied	PPCB is yet to initiate action.
4.	PPCB & MCL shall jointly carry out the studies w.r.t. consumption of water for domestic usage in Ludhiana and discharge of sewage into Budha Nallah and conclude the issue within one month.	Partial Compliance	The Committee decided that PPCB & MCL will jointly carry out the study & submit the Comprehensive Plan within 30 days to address the problem of pollution in Budha Nallah
5.	STPs of Sahnewal&Machhiwara be regularly monitored by PPCB	Partial Compliance	PPCB to take action
6.	STP at Jamalpur shall be rehabilitated by MC, Ludhiana based on appropriate technology and sewage flow entering into STP in view of future increase in discharge due to growth in population.	Partial Compliance	As mentioned at Sr. No. 4 above
7.	MC, Ludhiana shall prepare a proposal for treatment of dairy waste of Tajpur &Habbowal Dairy Complex and provide firm timelines for shifting of Tajpur Dairy Complex.	Not Complied	MC, Ludhiana to put up the firm proposal before Committee in its next meeting.
8.	MCL shall make the connectivity of Transport Nagar outlet, presently falling into Budha Nallah, to the STP as per timelines mentioned in the action plan.	Partial Compliance	As mentioned at Sr. No. 4 above

9.	PPCB must analyse the outlet sample of 50 MLD, STP Bhattian from a reputed laboratory for its chemical analysis to identify the reasons for presence of colour in the treated sewage.	Partial Compliance	PPCB reported that it is analysing the samples to identify the reasons for presence of colour in the treated sewage. The progress in this regard be put up in the next meeting of the Committee.
10.	MCL directed to improve the performance of 111 MLD STP Bhattian as the partially treated sewage, being directly discharged into river Sutlej, deteriorating the river water quality.	Not Complied	MCL to take the corrective measures
11.	Department of Water Resources shall take immediate steps to de-silt Budha Nallah at Barnhara bridge within 15 days and desilt Budha Nallah within city area within 2 months i.e. before Monsoon.	Partial Compliance	The Department reported that the work of de-silting of Budha Nallah is under progress and likely to be completed before the Monsoon. The Municipal Corporation, Ludhiana requested the Department to expedite the work by putting more number of machines.
12.	PPCB to conduct ground water sampling at 5-6 locations in village Walipur in the presence of Sarpanch of village to assess the ground water quality.	Complied	PPCB reported that it has collected the ground water sample from 9 locations & all the parameters were found to be within the permissible limits except hardness.

4. The Department of Local Government was requested to submit the progress report for the month of April & May, 19 to Directorate of Environment & Climate Change as per the updated formats for various activities of the Action Plan. The matter is urgent as the progress is to be reported to NGT by 30th June.
5. The Committee noted the progress for monitoring of STPs by PPCB in April, 19 with details as under:

- (i). 34 STPs out of total 74 STPs found non-compliant which contributes to 70% of the total capacity of monitored STPs.
 - (ii). Out of 34 non-compliant STPs, 14 STPs failed only due to F.Coli which contributes to 20% of the total capacity of monitored STPs.
 - (iii). PPCB reported that it has initiated action against the STPs found non-compliant.
6. The Committee directed the Department of Local Government to taken necessary steps against the operators and other supervisory staff wherever the STPs are continuing to fail to achieve the standards.

Agenda No. 3.5 Review of monitoring of functioning of CETPs in the catchment area

- 1. The Committee noted that CETP for Leather Complex, Jalandhar is still not complying and directed PPCB to ensure that it is brought within the prescribed limit and action shall be taken for non-compliance.
- 2. The Committee also noted that the CETP for electro plating is not receiving effluents as per the capacity of the industries. Some industries are not giving effluents to CETP at all or only partly and it is apprehended that they may be discharging illegally. The report of CETP operator has already been given to PPCB. PPCB will submit a detailed report in this connection.
- 3. Further the Committee directed that the GPS based IT system will be strengthened by PPCB for monitoring the quantity lifted and the movement of tankers deployed for collecting the effluent.

Agenda No. 3.6 Review of monitoring of functioning of ETPs installed by industries

- 1. The Committee noted the progress w.r.t. functioning of ETPs & action taken by PPCB against the non-compliant ETPs. The Committee directed as under:
 - (i). The results show a high degree of non-compliance, which must be brought down by strict action against non-complying industries. Action is pending against some non-complying units for more than 3 months. PPCB to dispose-off the pending cases of more than 3 months without any further delay.
 - (ii). PPCB reported that orders have been issued to the industries (more than 50 KLD)for installation of OCEMS by 31.07.19. PPCB was directed to ensure the compliance failing which action shall be taken against the industrial units.

- (iii). As directed earlier, certain percentage of units must be checked by Chairman, CEE, SEE from the units checked by ROs to enhance creditability of the inspections. Further 10% cases be got checked through independent labs.
- (iv). PPCB shall take Bank Guarantees from all non-complying industrial units on an objective and transparent criteria to safeguard against environmental damage. This can act as a deterrent for non-compliance by industries as prosecution takes long time and often fails. Polluter pays is a well-established principle and NGT has stated it time and again for ensuring compliance.

Agenda No. 3.7 Review of progress of Setting up of New / Up-gradation of STPs

- 1. The Committee noted the current status. The Department of Local Government informed that the Department is examining to adopt low cost technology recommended by PPCB for rural villages in some of the towns, which don't have sewerage network and funds are yet to be tied up.
- 2. The Department was asked to revise the timelines to bring them within the timeline indicated by NGT in the last order, which is two years from 1st April 2019.

Agenda No. 3.8 Review of Progress of Setting up of new/ upgrading of CETPs in catchment area

- 1. The Committee noted the progress w.r.t. timelines given in the Action Plan for setting up of new/ up-gradation of CETPs. PPCB reported that the DPR for CETP of Leather Complex, Jalandhar was technically appraised by CLRI.
- 2. The Committee directed PPCB to frame rules and put in place a legally binding system for successful operation and management of the proposed CETPs. This issue has been pending since long time and PPCB to expedite the action in this regard.
- 3. PPCB was also asked 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.

Agenda No. 3.9 Review of Progress of Setting up of ETPs/ Biogas Plants for Dairy and Misc. Waste

- 1. PEDAs reported that the Biogas Plant for Haibowal Dairy Complex will be made operational by June, 2019.

2. The Committee observed that the matter for shifting of Tajpur Dairies is pending quite since long time and directed MC, Ludhiana to finalize the matter within one month. The progress in this regard be put up in the next meeting of the Committee.

Agenda No.3.10 Reconciliation of Wastewater & Industrial Effluents for city of Ludhiana

1. The matter w.r.t. wastewater generation from various sources such as domestic, industrial, dairy etc. and its direct/ indirect disposal into Budha Nallah was deliberated in detail by the Committee with Municipal Corporation, Ludhiana
2. The Committee noted that:
 - (i) 16 major disposal points of MC, Ludhiana are directly discharging their wastewater into Budha Nallah without providing any treatment
 - (ii) The wastewater of Tajpur Dairies are also being discharged directly into Budha Nallah
 - (iii) The wastewater from textile dyeing units is being mainly discharged into STP Jalampur which is lying dysfunctional and partly through STP Bhattian thereby interrupting its treatment.
 - (iv) The STP Jamalpur is receiving 112 MLD wastewater against the installed capacity of 48 MLD as reported by MC, Ludhiana.
 - (v) The wastewater of Haibowal Dairies is being routed through STP Balloke thereby interrupting its treatment because of high COD levels. The Biogas Plant installed for Haibowal Dairy Complex by PEDDA is under scheduled repair and maintenance.
 - (vi) The STPs of Jamalpur (48 MLD), Bhattian (111 MLD) & Balloke (152 MLD) based on UASB Technology have consistently failed to achieve the prescribed discharge standards.
3. In view of the above observations, the Committee directed MC, Ludhiana:
 - (i). Actually monitor the discharge from the sewerage pipe carrying effluents from Tajpur Road industries & sewerage pipe carrying effluents from Focal Point leading to Sector 39 to corroborate the industrial discharge.

- (ii). Map all the industries on GIS along with their conveyance system to proposed CETPs and disposal from CETPs.
- (iii). The conveyance system of MCL presently being used by these industries i.e. Municipal Sewer should also be marked on GIS.
- (iv). All the minor & major outlets discharging their wastewater directly into Budha Nallah as mentioned in the EIL report should be mapped on GIS depicting their catchment area. This should include dairies also.
- (v). The GIS information shall be verified by both MCL and PPCB.
- (vi). The entire exercise shall be completed by 1st week of July, 2019 so that further plans could be finalized for addressing the problem of pollution of Budha Nallah.

Agenda No. 3.11 Review of progress of release of Fresh Water in Budha Nallah & Holy Bein

The Committee noted the status and directed that the Department shall follow up for release of funds from the State Government and complete the project expeditiously.

Agenda No. 3.12 Review of Re-use of Treated Wastewater for Irrigation and other purposes

1. The Committee noted the status as per agenda.
2. The Department informed that the matter regarding sanction of the projects submitted to various agencies are being followed up and funds are likely to be made available shortly.
3. The Committee decided that Department of Soil & Water Conservation to check the feasibility for using the treated sewage of STP Jamalpur, Bhattian & Balloke for irrigation. The progress in this regard be reviewed in the next meeting of the Committee.
4. The Department of Water Resources was directed to explore the feasibility for revival of lower Budha Nallah for reusing the treated wastewater for irrigation.

Agenda No. 3.13 Review of action taken to prevent dumping of Solid Waste into Budha Nallah

The Municipal Corporation, Ludhiana reported that it has undertaken 500 meter stretch of Budha Nallah to convert it into model stretch by taking all necessary measures such as installation of CCTV Cameras, plantation of both sides etc. to

prevent dumping of solid waste. The work on this stretch is likely to be completed by July, 2019.

The Committee noted the progress and decided that it would like to visit the site again after the works are completed for the stretch.

Agenda No. 3.14 Review of Progress for Setting up of Treatment Facilities in Villages

The Department informed that the progress of the project is on track. The Department of directed to submit the progress report timely.

Agenda No. 3.15 Review of Shifting of Small / Medium scale scattered dyeing units

1. PPCB reported that 45 small & medium scale scattered dyeing units with total discharge about 10 MLD located in non-designated areas and designated area (not feasible to connect with proposed CETPs) to be shifted to one designated area for their connection to the up-coming CETPs.
2. In the last meeting of Monitoring Committee held on 24.04.19, it was discussed that the scattered units either plan for separate CETP or achieve ZLD.
3. The Committee decided that the progress in this regard be discussed in the next meeting of the Committee after mapping of all the industries & preparing a comprehensive plan by MC, Ludhiana.

Agenda No. 3.16 Review of Progress of installation of OCEMS & CCTVs for STPs

The Department of Local Government informed that OCEMS has been installed on some STPs and it is in process to install the same on all STPs. The Department sought certain clarifications regarding technical specifications from PPCB.

The Committee directed that necessary formalities be completed at the earliest and online continuous monitoring system shall be installed expeditiously.

Agenda No. 3.17 Review of the progress regarding organization of Health Check-up Camps

No progress report received from the Department of Health & Family Welfare regarding organization of health checkup camps in the catchment areas of rivers. The Committee directed the Department of Environment to hold a meeting with Department of Health and report the progress in the next meeting.

Agenda No. 3.18 Review of Public Awareness Programs regarding cleaning of the rivers

The Monitoring Committee again directed all the departments to organize the capacity building & awareness activities regarding cleaning of the rivers in the State.

Agenda No. 3.19 Direct discharge from Various Outlets into Drains in Jalandhar

1. PSIEC reported that it has plugged the following outlets discharging their wastewater into Kala Sanghiana Drain:
 - (i). Industrial Focal Point, G.T Road Bypass, Jalandhar
 - (ii). Sports & Surgical Goods Complex, Kapurthala Road, Jalandhar
 - (iii). Leather Complex (Wet & Dry area), Kapurthala Road, Jalandhar
2. The Committee noted the status and directed PSIEC to ensure that no industry discharges its trade effluent into the sewer system laid for domestic sewage of industrial areas.

Any Other Agenda (Discussion held at 3 PM)

Agenda No. 3.20 Violations by Industries

The Chairman pointed out that during his inspections to various places in Haryana and Punjab, it has been seen that Industries are still not operating the Effluent Treatment Plants installed in their premises and try to illegally discharge the effluents in nearby water bodies or underground.

He expresses his concern that despite strict directions of NGT to take action against non-complying industries, the enforcement is still lacking as a result the rivers are getting polluted.

It was directed that all the Regional Officers be asked to once again check their water polluting industries in the catchment of rivers particularly with respect to unauthorized and illegal discharge of industrial effluents through pipes into nearby water body or underground. The needful shall be done in next 30 days. Thereafter, if the Committee finds any such instance of pipes laid for unauthorized and illegal discharge of effluents into water body or underground, the concerned Regional Officer shall be responsible and action shall be taken against him/ her.

It was also stressed that the inspections have to be credible and not just the paper exercise and therefore the senior officers including Chairman shall counter check the inspections carried out by the Regional Officers and if any of the inspection is found to be fake, surreptitious or manipulated, action shall be taken against the Regional Officer.

Agenda No. 3.21 Solid Waste

The Committee observed dumping of solid waste all over the place and can be seen even from the highways while traveling. Specific instance of solid waste near bridge of Dera Bassi was given. The matter was discussed with concern that there is no curb on such open violation of solid waste rules. After detailed discussions, the Committee decided that PPCB shall map on GIS the 150 most vulnerable points of waste collection along important highways and other places and monitor them for strict compliance with the Solid Waste Management Rules and take action against the concerned ULB for non-compliance including imposing environmental compensation and prosecution.