



Central Pollution Control Board

(Ministry of Environment, Forest & Climate Change, Govt. of India)

Parivesh Bhawan, East Arjun Nagar,

Delhi – 110032

Minutes of 2nd Meeting of Monitoring Committee held on 06.09.2018 at 'RO, PPCB, Ludhiana' for ensuring compliance to Hon'ble NGT Order dated 24.07.2018 in the matter of O.A No 101/2014 titled Sobha Singh & Ors. Vs State of Punjab & Ors.

Second meeting of the 'Monitoring Committee' constituted by Hon'ble National Green Tribunal (NGT) Order dated 24.07.2017 was held on 06.09.2018 at 'RO, PPCB, Ludhiana'. The list of officials attended the meeting is annexed (**Annexure-I**)

At the outset, Shri. Rajeev Sharma, Senior Environmental Engineer (SEE), Punjab Pollution Control Board (PPCB), Zonal Office-2, Ludhiana welcomed Shri A. Sudhakar, Divisional Head WQM-I, Central Pollution Control Board, Shri. J Chandra Babu, Scientist-D (Nodal Officer), CPCB, Shri. Balbir Singh Seechewal, Member of Monitoring Committee and the representative of Rajasthan State Pollution Control Board (RSPCB), other members of the Committee as well as officials of Punjab State Government present in the meeting. He informed that officials from Department of Local Government, Housing and Urban Development, Department of Science and Technology, Municipal Corporation of Ludhiana and other officials of Punjab Pollution Control Board are present.

The minutes of 1st meeting of the Monitoring Committee held on 10.08.2018 at CPCB were circulated to all the concerned departments by CPCB. As no observation on the minutes has been received from any quarters and accordingly the minutes of the 1st meeting of the monitoring committee held on 10.08.2018 were confirmed.

Thereafter, Shri A. Sudhakar, Divisional Head, WQM-I, CPCB briefed about the Hon'ble NGT Order dated July 24, 2018 related to control of pollution in River Sutlej as well as River Beas. He apprised the members that the Hon'ble National Green Tribunal (MGT) while taking cognizance from various sources of the fact that quality of surface waters of river Sutlej and River Beas has been affected due to release of contaminated effluents as well as improper sewage management by the local and urban bodies of the Punjab State Government. He also brought to the notice of the officials that the action need to be taken by all the concerned authorities with true spirit in a time bound manner failing which Hon'ble NGT may take action against the concerned officials for not fulfilling the desired responsibilities. Keeping the protection of surface water bodies from further contamination and health of the local public, he emphasised that all the concerned officials of Punjab State Government are required to take necessary corrective measures for ensuring compliance to the directions of Hon'ble National Green Tribunal. Thereafter, he requested Shri Balbir Singh Seechewal, Member to share experience on the observations made during the visit to Sewage Treatment Plants (STPs) in Punjab State.

Shri. Balbir Singh Seechewal, Member of the Committee presented a survey report on various Sewage Treatment Plants (STPs) located in the catchment area of the river Sutlej and River Beas in Punjab State. In light of the decisions taken in the first meeting of the monitoring committee, 44 STPs were visited by him along with the respective regional offices of PPCB. He apprised the Committee that most of the STPs were either lying defunct (Bhattian, Jamalpur, Basti Pirdaad, Phillaur, Ropar Waddi, Maujewal Nangal, Makhu etc) or the effluent was being bye-passed (STPs at Jagraon, Balloki, Nakodar Phillaur, Moga, Anandpur Sahib, Kapurthala, Phagwara etc.) without imparting treatment. At some STPs, operators were not present and some STPs were not in operation as no power backup was provided. It was also seen that where DG sets are available, diesel oil was not available to run the DG sets. All the STPs (except 25 MLD STP Jaitewali, Jalandhar) are not handling the generated sludge in accordance with the law of the land. He expressed his concern about commissioning of STPs by the Punjab State Govt. with huge capital amount of approx. Rs. 1200-1300 Cr. and appeared to be waste as the concerned Local and Urban bodies are not ensuring proper operation of STPs. Indiscriminate discharge of untreated sewage into water bodies lead to contamination of ground water along the banks and the living population of Rajasthan State and Malwa region of Punjab are forced to use contaminated water for drinking purposes, which is the root cause for deterioration of health of local public. The cities of Ludhiana and Jalandhar are two major contributors to the deteriorating water quality of the water bodies and the corrective actions are required without any delay and also he was of the view that Chief Secretary of the Punjab State should take stringent action against the concerned officers/Departments for not performing their duties.

Thereafter, the Committee requested the concerned departments to apprise on the actions taken and proposed in compliance with the Hon'ble NGT order dated 24.07.2018.

(1) Punjab Pollution Control Board

Shri Rajeev Sharma, SEE and representative of PPCB apprised the committee that the desired information has already been submitted to Nodal Officer of CPCB vide letter no. 4942 dated 29-08-2018 as well as through email. The information was examined and found data gaps. The Committee observed that the information provided by PPCB needs to be reviewed and re-submitted including the action plans with time limits keeping in view the restoration of water quality of River Sutlej and River Beas.

(2) Deptt. of Housing & Urban Development

Shri A.S.Dhaliwal, Chief Engineer, representing Local Government, Punjab State and Shri Balwinder Singh, Superintendent Engineer, Greater Ludhiana Area Development Authority (GLADA) representative of Deptt. of Housing & Urban Development informed that they have been nominated as a members of the Monitoring Committee to represent Local Government and Department of Housing and Urban Development of Punjab State Government, respectively. The representative of Deptt. of Housing & Urban Development also informed that they have not installed any STP in Ludhiana. The discharge of domestic effluent from their area development schemes is sent to the sewerage system of Municipal Corporation, Ludhiana, which is finally treated by the Municipal Corporation, Ludhiana. During discussions, it came to the knowledge of the committee that some STPs are also installed and being operated by Deptt. of Housing & Urban Development. It was clarified by the representative of Deptt. of Housing & Urban Development that these STPs have been installed by their department on the directions of Punjab State Govt. as the concerned ULB did not have sufficient funds. After detailed deliberations, the committee decided that Deptt. of Local Govt. in consultation with the Deptt. of Housing & Urban Development and other departments shall provide a detailed report mentioning the location of the STPs, name of the owner/occupier, Deptt./agency

responsible for operation and maintenance, contact details and other relevant information (action plans with time lines) required for finalization of the Committee's report. Committee also suggested the afore-said members to communicate officially with respect to their nominations as members of the Committee.

(3) Municipal Corporation, Ludhiana

Shri A.S.Dhaliwal, Chief Engineer, representative of the Local Government, Punjab State informed that 5 STPs of capacity 48 MLD (UASB), 111 MLD (UASB), 50 MLD (SBR), 152 MLD (UASB) and 105 MLD (SBR) are presently operational in Ludhiana at three different locations viz., Jamalpur (01), Bhattian (2 Nos) and Balloke (2 Nos) respectively. Shri Adish Bansal, SDO (MLL), Municipal Corporation, Ludhiana in his presentation informed that there are 62 towns generating sewage of 1159 MLD on river Sutlej and having 45 STPs with installed capacity of 980 MLD with a gap of about 161 MLD. In case of River Beas, there are 20 towns generating 108 MLD of sewage and having 10 STPs with installed capacity of 76 MLD with a gap of about 32 MLD. He has also informed that the 21 towns (viz., Jaitu, Arniwala, Kotkapura, Ferozepur (AMRUT), Gidderbaha, Guruharsahai, Morinda, Shahkot, Adampur, Balachaur, Rahon, Patti, Goraya, Samrala, Faridkot, Garhshankar, Maluka, Kiratpur Sahib, Adampur, Balachaur, Raikot) generating sewage of about 90.5 MLD is being discharged untreated into nearby drains. In case of Municipal Corporation limits of Ludhiana and Jalandhar, about 140-150 MLD and 66 MLD untreated sewage is discharged into drains. The representatives of MCL also informed that the existing STPs are inadequate as the water supplied to the public is more than 135 lpcd (i.e., around 300 lpcd) and there is a need for taking a policy decision by the Punjab State Government. PWSSB has created a web Portal (www.Pmidc.punjab.gov.in/PWSSB) on which every Wednesday, effluent analysis reports of the samples tested from the In-house labs, NABL approved Labs and quarterly report of PPCB are uploaded in public domain. MCL representatives also informed that there are multiple outlets of about 10 Dairies near Jaswal Complex, Tajpur Road which is outside MCL limit. The Committee suggested PPCB to take immediate action on such dairies. MCL representatives also apprised about the measures taken and action proposed for ensuring sewage management in the catchment of Rivers Sutlej and Beas.

With reference to the non-compliance to the discharge norms by STPs, the representative of the Municipal Corporation, Ludhiana submitted that the effluent at the inlet of STP is far exceeding the designed range of parameters and inadequate capacity are the reasons for STPs unable to achieve the prescribed effluent discharge norms. The justification given by the Municipal Corporation, Ludhiana was felt unsatisfactory by the committee. Also, the Committee felt that disinfection of the treated effluent is not being done prior to discharge of effluent from STPs as most of the samples collected by the committee members w.r.to Faecal coliform is not complying to the prescribed limits. The representative of the Municipal Corporation, Ludhiana (MCL) could not satisfy the committee regarding valid reasons for non-operation of the STPs. The representative of the MCL apprised the committee that DPR for the rehabilitation of all the existing 3 STPs based on UASB technology has been finalized. A timeline for completion of the project has been fixed as 9 months and a sum of Rs. 18.92 Cr. has been approved by State Level High Powered Committee. Two effluent treatment plants have also been proposed under AMRUT Scheme for treatment of effluent at Tajpur and Haibowal dairy complex with 5 MLD and 10 MLD capacities respectively. The proposal has been approved by State Level Technical Committee and will now go to State Level High Powered Committee for its approval. The project is proposed for completion in 15 months after finalization of DNIT. After deliberations, the committee felt that an action plan with time lines for all the cities/towns located in the catchment areas of River Sutlej and River Beas should be submitted as per the format circulated.

(4) Municipal Corporation, Jalandhar and other Local Bodies

No representative of the Municipal Corporation, Jalandhar attended the meeting. The Committee suggested Shri A.S. Dhaliwal, Chief Engineer to ensure all the representatives of Local Govt will attend the next meeting to apprise the Committee and also to ensure submission of the action plans with time lines pertaining to the respective jurisdiction prior to the next date of Committee meeting, for ensuring compliance to the Hon'ble NGT order dated 24.07.2018.

(5) Punjab Water Supply and Sewerage Board

No representative of the Punjab Water Supply and Sewerage Board attended the meeting. The representative of the Local Govt. Shri A.S.Dhaliwal, Chief Engineer assured Committee that he will pursue with the concerned Department to submit the time bound action plan prior to the next meeting of the Committee.

(6) Identification of Educational Institutions to create awareness among children

On the issue of creating awareness among children, Shri Balbir Singh Seechewal apprised the committee that he is already doing the task by organizing various events to create awareness among the masses including children. If required, he can organise such programmes further. Committee felt that there is a need for issuance of public notice in the local electronic media and in local daily newspapers in vernacular languages that any industry indulged in illegal effluent discharge from the industries in the catchment of River Sutlej and River Beas should bring it to the notice of either Punjab Pollution Control Board or Shri Balbir Singh Seechewal, Member of the Committee, for examining and further actions against such industries by PPCB.

Upon deliberations on the course of actions to be taken by the concerned authorities, the 'monitoring committee', taken following decisions in the meeting as detailed below:-

- a) Sub-committee members comprising Shri Balbir Singh Seechewal, Member, Shri Rajeev Sharma, SEE, Punjab Pollution Control Board; the representative of RSPCB, Shri A.S.Dhaliwal, CE, Member, Local Govt. Punjab State shall plan for collection of drain samples before confluence of river Sutlej and River Beas as well as river Sutlej and River Beas samples at all points on upstream and downstream at the confluence of drains with the respective rivers within the Punjab State. The samples should be collected, preserved and analysed in Punjab PCB laboratory for the physio-chemical parameters (such as pH, EC, TDS, TSS, DO, SO₄, NH₃-N, O & G, Chloride, BOD, COD, Fluoride), biological (Fecal Coliform and Total Coliform) and heavy metals (such as Cr⁺⁶, Cr⁺³, Total Chromium (Cr), Cadmium (Cd), Copper (Cu), Iron (as Fe), Zinc (Zn), Manganese (Mn), Lead (Pb), Nickel (Ni), Mercury (Hg) and Cyanide (CN) as per the standard protocols. Photographs while sampling also be taken. Above sub-committee shall also visit two CETPs located at Ludhiana and Jalandhar and CETP outlet samples for analysis of the parameters as per the consents under Water (Prevention and Control of Pollution) Act, 1974 granted by PPCB shall be collected and analysed in PPCB Laboratory. Observations and findings shall be presented in the next meeting of the Monitoring Committee by the sub-committee.
- b) Committee also suggested two members representing Department of Housing and Urban Development and Local Government of Punjab State Government to review and to pursue with all the concerned local and urban departments for early submission of the actions plans with time lines, by 24.09.2018 for finalization of the report of the committee
- c) The Sub-committee shall fix schedule of sampling of drains, river Sutlej and Beas and also visit to CETPs at Ludhiana and Jalandhar. The schedule of sampling and visits to

CETPs also be informed to the nodal officer at CPCB. If possible, CPCB shall also join for sampling and for visit to CETPs.

- d) Other decisions taken in the 2nd meeting of the Monitoring Committee on 06.09.2018 are given in the subsequent paras:-

1	Action plans with time limits in the form of affidavits submitted earlier in case of River Beas and River Sutlej in compliance to the Hon'ble NGT orders issued, in the past (prior to the order dated 24.07.2018)	By PPCB
2	Submission of information w.r.to area-wise industrial effluent management as per the format circulated in first meeting of the monitoring committee held on 10.08.2018 at CPCB after review by the Chairman/Member Secretary of PPCB	By PPCB
3	Brief Note on 'Performance assessment of captive ETPs of the electroplating, Leather, Dyeing/Textile and other industrial units located in the catchment of River Sutlej and River Beas and contributing to the pollution load in River Sutlej and River Beas in Punjab State	By PPCB
4	Brief Note on 'Performance assessment of CETPs located in the catchment of River Sutlej and River Beas contributing to the pollution load in River Sutlej and River Beas in Punjab State	By PPCB
5	List of industries located in the Catchment of River Sutlej and River Beas in Punjab State <ul style="list-style-type: none"> • Sector-wise number of industries, list of industries not having consents and authorisation under Water Act, 1974 and HW & OW (M & TM) Rules, 2016 respectively • Sector-wise total water consumption (in MLD), consented industrial effluent discharges, quantity of treated wastewater recycled/reused (in MLD) and total industrial effluent discharged (in MLD) into nearby drains • Industries not having captive effluent treatment plant – to close such industries under E (P) Act, 1986 • Industries having captive ETP but not complying to the Effluent Discharge Norms prescribed by PPCB –To be issued show cause or closure under E (P) Act, 1986 • Action taken against 17 category industries which have not installed OCEMS and or no data transfer to the PPCB/CPCB Servers • Industries not having membership of the CETPs <ul style="list-style-type: none"> - Only primary ETPs - Both primary and secondary ETP 	By PPCB
6	Status of action plans complied so far and proposed action plans with time lines (with responsible authorities for its implementation) for prevention and abatement of pollution of River Sutlej and River Beas w.r.to industrial effluent generated from the industries located in the catchment of River Sutlej and River Beas.	By PPCB
7	A digital map pertaining to River Sutlej and River Beas showing area-wise major industry/sector-wise no. of industries, area-wise (i) total water consumption in MLD, (ii)	By PPCB

	total industrial effluent generation in MLD, (iii) location of CETPs with capacity in MLD, (iv) total no. of industries having captive ETPs (v) total no. of member industries of CETPs; (vi) sector-wise total quantity of treated industrial effluent disposal and the final mode of disposal; (vii) total quantity of total industrial effluent disposed by CETPs and final mode of disposal of treated effluent by CETPs; (viii) drains contributing to pollution load in River Sutlej and River Beas; (ix) Transport through trucks, tracking etc.,	
8	A digital map pertaining to River Sutlej and River Beas showing towns/cities, details of population (including expected in the year 2040), sewage generation (in MLD), STPs located with capacities (in MLD), drains joining River Sutlej and River Beas (from source of drain and the point of drain joining with River Sutlej and Beas with GPS details)	By Urban Development and Housing, Local Government, State Govt. of Punjab
9	Providing information relating to area-wise 'Sewage generation conveyance and the existing mechanism for its treatment & disposal in Punjab State, as per the format circulated in first as well as second meeting of the monitoring committee	By Department of Urban Development and Housing, Local Body, Concerned Municipal Corporations in Punjab State, Punjab Water Supply and Sewerage Board of Punjab State Government.
10	<p>To submit a copy of the action plans and the time lines submitted to Hon'ble NGT in compliance to the Orders of Hon'ble NGT issued from time to time and the actions so far complied (as referred in the Hon'ble NGT order dated 24.07.2018).</p> <p>Proposed action plans with time limits and the concerned authority responsible for compliance, for abatement and control of Pollution of River Beas and River Sutlej (w.r.to ensuring proper sewage management) in compliance to the Hon'ble NGT Orders dated 24.07.2018.</p> <p>Action plan for ensuring proper operation and maintenance of existing STPs in Operation</p> <p>Actions for mixed wastewater (i.e., industrial effluent + domestic sewage) reaching STPs</p>	By Department of Urban Development and Housing, Local Body, Concerned Municipal Corporations in Punjab State, Punjab Water Supply and Sewerage Board of Punjab State Government,

11	STP-wise and CETP-wise, name, designation and address with contact Tel. and Mobile number of senior most officer and the officer directly responsible for ensuring proper operation and maintenance of each STPs/CETPs located in the catchment of River Sutlej and River Beas within the Punjab State should be provided to the Monitoring Committee by 25.09.2018	By PPCB, Department of Urban Development and Housing, Local Body, Concerned Municipal Corporations, Punjab Water Supply and Sewerage Board of Punjab State Government.
12	Placing of Minutes of the Monitoring Committee in web portals of PPCB, CPCB and other related matters	CPCB, PPCB and Local Government, Govt. of Punjab State
13	Status on review of effluent standards for industrial sectors and CETPs and its implementation as well as review of effluent standards for the STPs (wherever applicable/wherever required)	Environment Department of Punjab State Government and PPCB

Before conclusion, Shri J. Chandra Babu, Member representing scientist /engineer and Nodal Officer from CPCB informed that the Monitoring Committee constituted by the Hon'ble NGT order dated 24.07.2018 is required to file its report before 31.10.2018 and next date of hearing on the matter would be on 14.11.2018. Therefore, he requested all the concerned departments of the Punjab State Government should complete preparation of action plans with time limits keeping in view the restoration of River Sutlej and River Beas from the present pollution scenario and shall submit the action plans approved by the respective Heads of the Departments of Punjab State Government by 25.09.2018 and such prepared plans should also be presented in the next meeting of the monitoring committee. Also, all the concerned departments of Punjab State Government should appoint one nodal officer and details of nodal officer, contact details with complete address should also be provided within a week to the nodal officer of CPCB (by e-mail at jcb.cpcb@nic.in) for easy co-ordination. Shri J.C.Babu also requested Shri R.Sharma, SEE, RO, PPCB, Ludhiana and Shri A.S.Dhaliwal, Local Government should pursue with all the concerned departments for ensuring submission of the desired information positively by 24.09.2018 to Shri A.Sudhakar, AD, WQM-I Division in CPCB for further discussion in the next Monitoring Committee meeting. He also thanked PPCB for making necessary arrangements for organizing this meeting.

It was also decided that the next review meeting of the monitoring committee will be held on 26-09-2018 at Jalandhar.

The meeting ended with vote of thanks to the Chair.

List of Participants

Second Meeting of the 'Monitoring Committee' held on 06.09.2018 at Ludhiana for ensuring compliance to Hon'ble NGT Order dated 24.07.2018 in the matter of O.A. No. 101/2014 titled Sobha Singh & Ors. Vs State of Punjab & Ors.

Sr. No	Name of the Official, Designation and Organization
1.	Shri. A.Sudhakar, AD, CPCB, Delhi
2.	Shri. Balbir Singh Seechewal, Member of the Committee
3.	Shri. J.Chandra Babu, Scientist 'D', WQM-I, CPCB, Member and Nodal Officer, CPCB
4.	Shri Niraj Mathur, SEE, Representative of RSPCB, Jaipur
5.	Shri A.S. Dhaliwal, Chief Engineer, Local Government, Ludhiana
6.	Shri Balwinder Singh, S.E. Greater Ludhiana Area Development Authority (GLADA)
7.	Shri Ravinder Garg, SE (O &M), Zone-A/D, Municipal Corporation, Ludhiana
8.	Shri Rajinder Singh, Nodal Officer, Municipal Corporation, Ludhiana
9.	Shri Virender Singh, Department of Town Planning, Ludhiana
10.	Shri A.K. Kalsi, SEE, ZO-1, PPCB, Ludhiana
11.	Shri Rajeev Kumar Sharma, SEE, ZO-2, PPCB, Ludhiana
12.	Shri Ashok Kumar Garg, EE, PPCB, Regional Office-2, Ludhiana
13.	Shri Paramjeet Singh, EE, PPCB, Regional Office-3, Ludhiana
14.	Shri Inderjit Singh, STP, Ludhiana on behalf of CTP, Punjab
15.	Shri Karnail Singh, X-en (PA), Greater Ludhiana Area Development Authority (GLADA)
16.	Shri Adish Bansal, SDO (MLL), Municipal Corporation, Ludhiana
17.	Shri Jaspal Singh Grewal, PCS , ACA GLADA