

Agenda

**10th Meeting of State Apex Committee to review progress of
Implementation of various Environment Protection Action Plans**



**Date: 03.09.2020 at 11.00 A.M.
(Through Video Conferencing)**

**Directorate of Environment and Climate Change,
Department of Science, Technology and Environment,
Government of Punjab**

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Agenda No. 10.1 Leave of Absence

1. The following Officers have been invited to attend the meeting:
 - (i). The Administrative Secretary
Department of Local Government
 - (ii). The Administrative Secretary
Department of Rural Development & Panchayats
 - (iii). The Administrative Secretary
Department of Industries & Commerce
 - (iv). The Administrative Secretary
Department of Transport
 - (v). Administrative Secretary
Department of Housing and Urban Development
 - (vi). Administrative Secretary
Department of Water Supply & Sanitation
 - (vii). The Chairman
Punjab Pollution Control Board, Patiala
2. Leave of absence may be granted to the members who could not attend the meeting.

Agenda No.10.2 Confirmation of the Proceedings of the 9th Meeting held on 14.05.2020

1. The minutes of the 9th meeting to review progress on Environment Protection Action Plans held on 14.05.2020 at 3.00PM in compliance of various NGT Orders have been circulated to all the members vide Memo no.08/05/20-STE(5)/579-584 dated 08.06.20.
2. The minutes may accordingly be confirmed.

Agenda No. 10.3 Review of Progress of Action Plans

I. Action Plan for Clean Rivers

a) Status of Sewage Generation & Treatment

River/ Non-River Towns	No. of ULBs	Sewage Generation (MLD)	Present Treatment Infrastructure		Gap (MLD)	Proposed Treatment Infrastructure	
			No. of STPs	Capacity (MLD)		No. of STPs	Capacity (MLD)
Sutlej	50	1,245.81	51	961.60	362.46	32	477.00
Beas	15	101.80	17	102.10	20.00	13	31.90
Ghaggar	30	262.88	24	239.20	73.47	30	123.10
Total River Towns (A)	95	1610.49	92	1302.90	455.93	75	632.00
Non-River Town (B)	72	500.87	23	325.6	191.82	57	278.55
Grand Total (A+B)	167	2,111.36	115	1628.50	647.75	132	910.55

b) Monitoring of Water quality

Sr. No	Activity	Unit	Baseline (2018-19)	Target	Timeline	Progress (April-June, 20)	Progress July, 20
1	Sutlej (Roopnagar to Harike Bridge)	Water Quality Class	C to E	B	31.12.23	B to E	B to E
2.	Ghaggar (Sardulgarh to Mubarkpur)	Water Quality Class	D to E	B	31.12.23	D to E	D to E
3.	Beas (Along Mukerian)	Water Quality Class	C	B	31.12.22	B	B
4.	Beas (Sultanpur Lodhi to Confluence point to Beas)	Water Quality Class	C	B	30.09.22	B	B

- (i). The water quality of two river stretches of river Beas is now meeting the desired water quality i.e. Class-B of CPCB/NGT.
- (ii). As directed by CPCB during the 10th Meeting of the Task team of CPCB held on 26.01.2020, a separate Action Plan on Clean Holy Bein was prepared and submitted to CPCB on 01.07.20 after approval of River Rejuvenation

Committee.

- (iii). 11 Real Time Monitoring Stations (RTWQMS) are being installed on river Sutlej (4), Beas (1), Ghaggar (4) and Budha Nallah (2). Out of 11, 1Station has been installed at Budha Nallah and 10 would be installed by 30.09.20.

c) Status of Monitoring of STPs, CETPs & ETPs

S.No.	Activity	Unit	Baseline (March,19)	Target	Timeline	Progress (April-June,20)	Progress (July,20)
1.	Monitoring of 93 Existing STPs	% Non-compliance	46%	0% NC	Monthly	22.85%	29.87*% (Nos.) 50.71% (Cap.)
2.	Monitoring of 3 Existing CETPs	% Non-compliance	33%	0% NC	Monthly	0%	0%
3.	Monitoring of Existing 513 ETPs	% Non-compliance	30.77%	0% NC	Monthly	32.05%	19.23%
4.	Installation of OCEMS in existing 116 ETPs more than 50 KLD	% of installed OCEMS	-	100%	31.07.19	85%	88%

*Reason for non-compliance: 9 STPs based on WSP, 4 STPs of UASB, rehabilitation/up-gradation of these STPs proposed. Some of STPs based on SBR & MBBR technologies, requiring regular maintenance & cleaning for effective operations.

d) Setting up 88 new STPs including rehabilitation/up-gradation of 13 existing STPs

- (i) NGT order dated 06.12.19 in O.A 673/2018 directed as under:

- 100% treatment of sewage be ensured by 31.03.2020 at least to the extent of in-situ remediation and before the said date, commencement of setting up of STPs & work of connecting all the drains & other sources of generation of sewage to STPs must be ensured. Failing which, local bodies and concerned Departments of the State will be liable to pay compensation @ Rs. 5.0 lacs per month per drain for default in in-situ remediation and Rs. 5.0 lacs per STP for default in commencement of setting up of STPs.
- Timelines for completing all steps of action plans including of setting up of STPs and their commissioning is 31.03.21. In case of default, compensation @ Rs.10.0 lacs per month per STP would be liable to be paid.

(ii) In-situ treatment of drains

The following measures have been taken:

- In 38 towns, where sewerage system does not exist, Fecal Sludge treatment has been started to convert black water into grey water.
- In-situ remediation of Bhulana drain by installing bioremediation, phyto-remediation enhanced by Nano Bubble Technology on pilot basis is under progress.
- Pilot scale in-situ remediation of Sirhind Choe carrying wastewater of Bhadson town completed by installing facultative pond followed by free water CWS

After successful operation of both these models, same will be replicated for remediation of other drains in the State.

(iii) Commissioning of STPs by 31.03.2021

- As decided in the 9th Meeting of State Apex Committee held on 14.05.2020 held under chairmanship of Chief Secretary, DLG has revised the timelines of new STPs and submitted an application in NGT on 16.07.20 for seeking grant of extension in timelines.
- The existing status and revised timelines of new STPs are as under:

Category	No. of STPs & Capacity	Revised Timelines
River Towns	75 New STPs (632 MLD)	- 7 STPs (45.3 MLD) by 31.03.21 - 23 STPs (93.45 MLD) by 31.03.22 - 31 STPs (178.75 MLD) by 31.03.23 - 14 STPs (314.5 MLD) by 31.12.23
	13 existing STPs under upgradation (423.5 MLD)	- 3 STPs (17.9 MLD) by 31.03.21 - 3 STPs (363 MLD) by 31.03.22 - 6 STPs (17.6 MLD) by 31.12.23 (1 STP of 25 MLD completed)
Non-River Towns	57 New STPs (278.55 MLD)	- 6 STPs (69.25 MLD) by 31.03.21 - 1 STP (4 MLD) by 31.03.22 - 28 STPs (129.5 MLD) by 31.03.23 - 22 STPs (75.8 MLD) by 31.12.23

e) Setting up of New CETPs

S. No.	Activity	Target Date of Completion	Status of Completion	
			Progress (April-June,20)	Progress (July,20)
1	15 MLD CETP at Ludhiana	30.06.19	Completed	Under stabilization
2	40 MLD CETP at Ludhiana	31.12.20	78%	78.2%
3	50 MLD CETP at Ludhiana	31.12.20	60%	63%
4	0.15 MLD CETP at Jalandhar	31.03.20	Work stopped due to the Orders of Hon`ble High Court in CWP No. 1483 of 2020 titled Jalandhar Human Welfare Society V/s State of Punjab.	Work stopped due to Orders of Hon`ble High Court in CWP No. 1483 of 2020 titled Jalandhar Human Welfare Society V/s State of Punjab. The matter is listed for hearing on 10.11.20.
5	Up-gradation up of 5 MLD CETP at Jalandhar	31.03.20	DPR under vetting with CLRI	Tender floated however no bid was received. Tender re-floated, to be opened on 18.08.20.

- (i). Govt. of Punjab has released that pending State Govt. share of Rs. 6 Crore for 50 MLD CETP and 2nd instalment of 4.20 Crore for 40 MLD CETP to PPCB on 16.07.2020.
- (ii). The balance Central Govt. share of Rs. 12.12 Crore for 40 MLD and 12.65 Crore for 50 MLD yet to be released by MoEF&CC.
- (iii). State Apex Committee during its 9th Meeting held on 14.05.2020 directed PPCB to pursue the Central Govt. for release of its shares of financial grants at the earliest for timely completion of CETPs.
- (iv). PPCB was also directed to submit the revised timelines and financial plan for up-gradation of 5 MLD CETP at Jalandhar to Department of Environment. The same is yet to be provided by PPCB.

II. Action Plan for Waste Management

a) Solid Waste Management

- (i) Hon`ble NGT vide orders dated 10.01.2020 in OA no. 606 of 2018 has directed that continued failure of local bodies on the subject of commencing work of remediation of legacy waste sites along with compliance of para 22 of SWM

Rules, 2016 will result in liability to pay heavy compensation w.e.f.01.04.2020 till compliance.

- (ii) The following activities w.r.t. compliance of Rule 22 of SWM Rules, 2016 are running behind the timelines originally specified in Action plan (later revised by the department).

S. No.	Activity	Unit	Baseline 31.03.19	Target	Timelines given by the Deptt.	Progress (April-June,20)	Progress up to 31.07.20
1*	Setting up of Material Recovery Facilities (MRFs)	No. of MRFs	83	600	31.03.21	185 (30.83%)	192 (32%)
2*	Setting up of Waste to Energy Facilities	No. of WTE facilities	1	3	31.03.21	1 (33.3%)	1 (33.3%)
3*	Setting up of suitable sites for setting up sanitary landfill facilities (SLFs)	No. of SLF site	Nil	167	31.12.20	Funds released to 132 ULBs	1 MC, Ldh
4*	Enforcing waste generators to practice segregation of waste at source	% age coverage HHs/ shops/est.	27%	100%	31.03.21	74%	77%
5	Compliance by Bulk Waste Generators (>100 kg/day)	% age compliance	16.70% (314/1871)	100%	31.12.19	16.1% (196/1217)	16.2% (198/1217)
6*	Bio-remediation or capping of old and abandoned dump sites	No. of ULBs	initiated in 4 ULBs	167	31.03.23	Initiated work in 14 ULBs & funds distributed to 132 ULBs	30 ULBs procured machines for Bio-remediation work.

* Timeline given by NGT for the activities mentioned under Rule 22 of SWM Rules, 2016 was 31.3.2020.

b) Plastic Waste Management

S. No.	Activity	Unit	Baseline (31.03.19)	Target	Timelines given by the deptt.	Progress (April-June,20)	Progress up to 31.07.20
1	Framing of bye-laws by all ULBs incorporating provision of the Rules	Notification of byelaws	Bye Laws under preparation	167 ULBs	30.09.20	Bye- laws being notified.	Bye- laws under final notification.
2	Monitoring of Producers, & Brand owners under	%age of registration	3.9%	100%	31.03.20	37.3% (216/579)	37.75% (219/580)

	EPR						
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c) Bio Medical Waste Management

S. No	Activity	Unit	Baseline (31.03.19)	Target	Timelines given by the Deptt.	Progress (April-June,20)	Progress up to 31.7.20
1	Agreement of HCFs with CBWTF	No of HCFs	8194	13602	31.03.20	9672 (71.1%)	9690 (71.2%)
2	Authorization of HCFs	No. of HCFs	3913	13602	30.06.20	7305 (53.7%)	7331 (53.9%)
3	Installation of the ETPs by Govt. HCFs	No. of HCFs	0	211	30.06.21	2 installed and 59 underway	9 District and 12 Sub District Level HCFs installed ETPs.

III. Action Plan for Clean Air

S. No	Activity	Performance Indicator	Responsible Agencies	Timeline	Progress (April-June, 20)	Progress Upto July,2020
1	Industries to be converted from Coal to CNG	% of Industries converted to CNG	PPCB	31.03.21	No Progress	2.42% (22/908)
2	Creation of infrastructure for CNG Pipeline	Length of the pipeline laid (inch km)	DIC	31.03.21	0.7% (305)	7% (3933/55994)
3	Installation of intelligent traffic systems	No. of intelligent traffic lights	MC	31.03.20	Work under at Patiala	Project shall be finalised by 31.12.2020 in Patiala and Jalandhar
4	Phasing out commercial diesel vehicles more than 15 years old	Policy matter	Transport	31.03.20	No Progress	No Progress
5	Promotion of E-Vehicles	Policy matter	Transport	31.03.20	No progress	Draft policy circulated for comments
6	Introduction of CNG based city Bus Service	No. of CNG based buses	MC	31.03.22	No progress	No progress

S. No	Activity	Performance Indicator	Responsible Agencies	Timeline	Progress (April-June, 20)	Progress Upto July,2020
7	Introduction of CNG based autos/taxis	No. of CNG autos/taxis	Transport	31.03.22	10266 nos	10269 nos
8	Dissemination of AQI by installing CAAQMS as per NGT order dated 20.11.2019 on O.A. No. 681/2018	No. of additional CAAQMS installed	PPCB	31.03.21	Matter was delayed due to COVID-19 situation in the State of Punjab.	Process of E-tendering is being followed for finalization of vendor Further work is under progress.
9	Establish an Air Quality Management Division at PPCB HQ and helpline in each city	Set up Division	PPCB	31.03.21	NIC has handed over the application to PPCB.	Application is under trial run.
10	Source Apportionment Study	% of cities covered out of total target	PPCB	31.12.2020	No progress	(2/9) 22%

(i). State Govt. had directed PPCB to issue notice u/s 31-A of Air Act, 1981 for converting industries from coal to CNG fuel.

(ii). State Govt. had directed Local Govt. to integrate GPS / GIS based monitoring of various activities such as water sprinkling and mechanical sweeping of roads, creation of green buffers etc. at the website of Directorate of Environment & Climate Change.

IV. The Committee may accordingly review the matter.

Agenda No. 10.4 Preparation of District Environment Plans in compliance of NGT Order dated 26.09.19

1. NGT vide order dated 26.09.19 in O.A. No. 360/2018 titled as “Shree Nath Sharma v/s Union of India” has directed all the States/UTs to prepare District Environment Plans for all districts as per template to be provided by CPCB. The District Plans to be monitored by District Committee under District Magistrate. Department of Env. of all States/UTs directed to collect District Environment Plans and finalize the State Environment Plan. Based on States and UTs Environment Plans, MoEF&CCand CPCB shall prepare India’s Environment Plan.
2. Deptt. of Environment had notified ‘District Environment Committees’ vide notification dated 31.10.19 under the Chairmanship of respective Deputy Commissioners to monitor & review the implementation various State Environmental Plans and District Environment Plans at district level. District Environment Committees have been entrusted with responsibility to prepare District Environment Plans&review progress on monthly basis.
3. State Apex Committee during 9th Meeting held on 14.5.2020, directed PPCB to finalize and submit these plans to Deptt. of Environment by 31.07.2020to enable finalization of State Environment Plan by 30.9.2020 for submission to CPCB/NGT. The matter was also followed up by Principal Secretary, STE with all Deputy Commissioners vide D.O dated 03.08.2020.
4. Till date, District Environment Plans have been prepared by 7 Districts (SBS Nagar, Hoshiarpur, Patiala, Mansa, Ropar, Barnala& Sangrur) and are under preparation in remaining 15 Districts.
5. The Committee may accordingly review the matter.

Agenda No. 10.5 Action Plans on “Rejuvenation of Water Bodies” & “Reuse of Treated Wastewater of STPs”

1. Action Plan for Rejuvenation of Ponds of Punjab was prepared and submitted to CPCB vide email dated 31.03.20 in compliance of NGT Orders dated 10.05.19 and 25.02.2020 in O.A.No.325/2015 in the matter titled "Lt. Col. Sarvadaman Singh Oberoi vs UOI & Ors". The Action Plan was approved in the 9th meeting of the State Apex Committee held under the Chairmanship of Chief Secretary, Punjab on 14.05.2020 through VC.
2. The requisite information on 15,446 Rural & 249 Urban ponds have been submitted to CPCB on 31.07.2020 in compliance of CPCB Letter dated 06.02.2020 to Chief Secretary, Punjab
3. The Revised Action Plan for Re-use of Treated wastewater prepared in consultation with stakeholder Departments, submitted to CPCB on 30.06.20 in compliance of NGT order dated 21.05.2020 in O.A. No. 593/2017 with O.A. No. 148/2016.
4. The Committee may accordingly review the matter.

Agenda No. 10.6 Submission of Action Plan for “Abatement of Pollution in Critical and Severely Polluted Industrial Areas of Punjab” to CPCB

1. NGT vide order dated 13.12.2018 in O.A. No. 1038/2018 titled "CPCB to rank industrial units on pollution levels" directed State Pollution Control Boards/Committees to finalize the time bound action plans within one-month w.r.t. identified polluted industrial clusters in accordance with the revised norms laid down by CPCB to restore environmental qualities within norms.
2. Further, NGT vide order dated 14.11.2019 in the said matter categorized the following industrial area/clusters of Punjab as per the latest CEPI Score assessment carried out by CPCB (2018):
 - i) Jalandhar: Critically Polluted Area (CEPI Score- 74.76)
 - ii) Ludhiana: Critically Polluted Area (CEPI Score- 73.48)
 - iii) Batala: Severely Polluted Area (CEPI Score- 68.92)
 - iv) Mandi Gobindgarh: Other polluted areas (CEPI Score- 53.91)
3. As decided in the 9th Meeting of State Apex Committee, the draft Action Plans prepared by PPCB, were circulated among all the stakeholder Departments for seeking their consent/comments.
4. The Action Plans of Critically Polluted Industrial Clusters of Ludhiana & Jalandhar and Severely Polluted Industrial Cluster of Batala have been submitted to CPCB by PPCB vide email dated 10.07.20.
5. Committee may review and approve the Action Plans.

Agenda No. 10.7 Revision of Action Plan for Hazardous Waste Management in compliance of NGT orders dated 12.04.2019 and 26.08.2019 in OA no. 804/2017.

1. The Hon'ble NGT vide order dated 12.04.2019 and 26.08.2019 in OA no. 804/2017 considered the issue of generation and unscientific dumping of hazardous waste and directed all the States to comply with the directions of Tribunal.
2. In this regard, a meeting was convened under the chairmanship of Principal Secretary, Department of Science, Technology & Environment on 17.02.2020 wherein, it was decided that the Action plan for management of Hazardous Waste be revised in accordance with the directions of NGT issued vide order dated 26.08.2019. The revised action plan may be got approved from the State Apex committee.
3. Accordingly, Action Plan for Hazardous Waste Management was revised and circulated to the concerned stakeholder departments i.e Punjab Pollution Control Board, Department of Industry, Department of Labor and Department of Local Government for concurrence or observation if any.
4. The comments of Punjab Pollution Control Board, Department of Industries and Department of Local Government have been received and taken care of.
5. A copy of revised Action Plan for Hazardous Waste Management is attached at **Appendix-I**. The committee may approve the said Action Plan for submission to CPCB.

Agenda No. 10.8 Any Other Item with the permission of Chair.