

**Proceedings of 4th Meeting of State Apex Committee to review progress on Environment Protection Action Plans in compliance with different NGT orders held under the chairmanship of Chief Secretary, Punjab on 10.04.2019 at 11.00 AM in CR/ 6<sup>th</sup> floor, PCS-I, Chandigarh**

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**Agenda No. 4.1 Leave of Absence**

List of participants is attached at Annexure- A. Leave of absence was granted to the members who could not attend the meeting.

**Agenda No. 4.2 Confirmation of the proceedings of the 3rd meeting**

Proceedings of the 3<sup>rd</sup> meeting held on 1/3/2019 were confirmed.

**Agenda No. 4.3 Action taken report on the proceedings of the 3rd meeting**

Action taken on the proceedings of the 3<sup>rd</sup> meeting was noted.

**Agenda No. 4.4 Review of Implementation of Draft Action Plans for Clean Rivers**

1. The Committee noted the progress in finalizing the Draft Action Plans and asked all the departments to give their concurrence on the updated Draft Action Plans in writing so that the same can be placed before the CMM for approval.
2. The Committee noted the observations of NGT appointed committee under the Chairmanship of Justice Pritam Pal as brought out in the Agenda. The Committee directed all the Departments to expedite action on the same.
3. PSSTE presented the progress on various activities of the action plans for cleaning of rivers giving the baseline, target, timelines and overall assessment of the current status given below:

<b>Progress of Implementation of Action Plan for Clean Rivers</b>		
<b>Sno.</b>	<b>Activity</b>	<b>Assessment/ Observation of Department of Environment</b>
1	Monitoring of Water Quality of Rivers	Monitored on monthly basis. %age increase of compliant STPs and ETP's needs to be correlated with surface water quality
2	Installation of Continuous Online Monitoring Stations for Surface Water Quality	To be expedited

**Proceedings of the 4<sup>th</sup> meeting of State Apex Committee**

3	Protocol / Standard Operating Procedure for taking samples of surface water quality	SOP is very crucial and needs to be reviewed
4	Functioning of existing STPs in the catchment areas	Many STPs are still not complying with norms. Needs special attention of the Department of Local Government
5	Functioning of CETPs	Non-compliant CETP at Leather Complex, Jalandhar needs special attention of PPCB
6	Functioning of ETPs	Inspections to be made more effective
7	Setting up of New STPs/ Upgradation/ Capacity Enhancement/ Rehabilitation	Cases of land acquisition and financial closure need special attention of the Department
8	Setting up of New/ upgradation of CETPs	Progress of CETP of 50 MLD at Ludhiana is not satisfactory. It needs special attention of PPCB
9	Setting up of ETPs for Dairy & Other Waste	District Administration is exploring the possibility of shifting the dairies. Need to expedite decision.
10	Reconciliation of Wastewater & Industrial Effluents (Sutlej)	MCL & PPCB jointly estimated the discharge in Budha Nallah about 761 MLD. The checking of quality is under progress
11	Release of 200 cusec and 350 cusec fresh water in Budha Nallah & Holy Bein respectively	Water resources need to expedite the DPR and financial closure
12	Reuse of Treated Wastewater	The plan under preparation. Apart from reuse in irrigation, reuse for other urban usage also needs to be explored.
13	Prevent Dumping of Solid Waste in to Budha Nallah	Serious problem. The Department needs to take special measures including CCTV, fencing and penalizing.
14	Setting up of Treatment Facility in Villages	Treatment Technology needs to be finalized to work out the cost estimates
15	Shifting of Small & Medium Scale Scattered Dyeing Units	Long term
16	Installation of OCMS & CCTVs for Industries with discharge more than 50 KLD	PPCB to monitor installation within stipulated time and monitoring the same
17	Installation of OCMS & CCTVs for STPs	Deptt. of Local Govt. to expedite the installation of OCMS & CCTV

**Proceedings of the 4<sup>th</sup> meeting of State Apex Committee**

18	Organization of Health Checkup Camps in catchment area of rivers	Camps to be held more regularly
19	Public Awareness Programmes	A centralized approach needs to be evolved
20	Direct discharge from Various Outlets into Buddha Nallah	MC Ludhiana to workout clear plans and timelines for closure of all the outlets.
21	Direct discharge from various outlets into Kala Sanghian drain	MC Jalandhar to workout clear plans and timelines for closure of all the outlets
22	Ensure Environment Flow in Rivers	Deptt. of Water Resources to work out the modalities

4. The Committee noted the progress and observations of Department of Environment and directed expediting action on all the pending activities in particular:
- (i). PPCB to expedite installation of continuous monitoring stations at various critical locations of the rivers
  - (ii). Department of Local Government to ascertain the reasons for not meeting the standards for each STP.
  - (iii). Transfer of STPs for O&M from multiple agencies to the nodal agency laid down by Department of Local Government
  - (iv). PPCB to strengthen the inspection mechanism for monitoring the ETPs installed by Industries in the catchment area particularly keeping in view the risks involved.
  - (v). PPCB shall strictly monitor the progress of setting up of CETPs. Legal framework for setting up of CETPs and their operation and maintenance.
  - (vi). MC, Ludhiana & PPCB shall jointly carry out the estimation of waste water generation and industrial effluents in Ludhiana in a scientific manner within one month.
5. It was further directed that only major escalation issues shall be highlighted at the level of Apex Committee and many of the issues need to be sorted out at the level of River Rejuvenation Committee.

## Proceedings of the 4<sup>th</sup> meeting of State Apex Committee

6. It was specifically directed that clear timelines for all activities need to be laid down and progress measured against the timelines highlighting delays, if any and other bottlenecks, which need resolution at the level of Apex Committee.
7. It was highlighted that Department of Local Government to closely review the issues pertaining to O&M of STPs, pending cases of land acquisition for setting up of STPs, financial closure for the remaining STPs and progress will be reviewed in detail in the next meeting.

### Agenda No. 4.5

#### Review of Implementation of Draft Action Plans for Clean Air

1. The Committee noted the progress on finalization of the Draft Action Plans and asked the departments to give their concurrence on the updated Draft Action Plans in writing so that the Action Plans can then be placed before the CMM for approval.
2. The Committee noted the observations of Air Quality Monitoring Committee as brought out in the agenda and directed that action shall be expedited on pending issues.
3. PSSTE presented the progress on various activities of the action plans for clean air in various non-attainment cities giving the baseline, target, timelines and overall assessment of the current status given below:

#### (i). Activities pertaining to Control on Vehicular Emissions

Sno	Activity	Assessment/ Observations of Department of Environment
1	CVE 1 - Public awareness campaign for control of vehicular emissions	A centralized campaign to be launched
2	CVE 2 - Remote sensor based PUC system	On track
3	CVE 3 - Extensive drive against polluting vehicles	Regular Enforcement
4	CVE 4 - Prevent parking of vehicles in non-designated areas	Greater enforcement and details of proposed infrastructure are being finalized
5	CVE 5 - Check fuel adulteration	Food and Civil Supplies to ensure regular checking
6	CVE 6 - Widening of road and infrastructure for decongestion of road	Details are being finalized
7	CVE 7 - Introduce intelligent traffic systems	Details are being finalized
8	CVE 9 – Phasing out diesel commercial vehicles more than 15 years old	Transport Department is examining the policy

**Proceedings of the 4<sup>th</sup> meeting of State Apex Committee**

9	CVE 10 – Promotion of battery operated vehicles	Expedite Policy
10	CVE 11 – Introduction of CNG based public transport	Food and Supplies to expedite roll out of CNG network
11	CVE 12: Setting up of CNG Stations for public transportation	Expedite roll out of CNG network

**(ii). Activities pertaining to Control on Road Dust**

<b>Sno.</b>	<b>Activity</b>	<b>Assessment/ Observations of Department of Environment</b>
1	CRD 1 – Maintain potholes free roads for free-flow of traffic	Effective system to be put in place
2	CRD 2 – Procurement of water sprinklers	Details are being finalized
3	CRD 3 – Mechanical sweeping	Details are being finalized
4	CRD 4 -Creation of green buffers along the traffic corridors	Details are being finalized
5	CRD 5 - Water fountains at major traffic intersections	Details are being finalized
6	CRD 6 - Greening of open areas community places, schools and housing societies	Details are being finalized
7	CRD 7 - Blacktopping of metaled road including pavement of road shoulders	Details are being finalized

**(iii). Activities pertaining to Control on Industrial Emissions**

<b>Sno.</b>	<b>Activity</b>	<b>Assessment/ Observations of Department of Environment</b>
1	CIE 1 – Conversion to Side Hood suction in Induction furnaces (Ifs)	To be expedited
2	CIE 2 – Conversion of Industries from coal to CNG	Expedite roll out of CNG network
3	CIE 3 - Conversion of natural draft brick kilns to induced draft	Guidelines drafted
4	CIE 4 – Action against non-complying industrial units	Risk based effective inspections by Board
5	CIE 5 – Shifting of industries from non-designated areas to industrial areas	Long term

**(iv). Activities pertaining to Control on Burning of Garbage and Biomass**

**Proceedings of the 4<sup>th</sup> meeting of State Apex Committee**

<b>Sno.</b>	<b>Activity</b>	<b>Assessment/ Observations of Department of Environment</b>
1	CBGB 1 – Control on open burning of bio-mass in City	214 Nos pits have been constructed
2	CBGB 2 – Control on burning of municipal solid wastes	48 Challans issued
3	CBGB 3 – Control on burning of agriculture waste and crop residue	Seasonal activity

**(v). Activities pertaining to Control on C&D Activities**

<b>Sno.</b>	<b>Activity</b>	<b>Assessment/ Observations of Department of Environment</b>
1	CCDA 1 – Enforcement of Construction & Demolition Rules	More efforts are required from the Department of Local Government
2	CCDA 2 – Control measures for fugitive emissions	More efforts are required to enforce the rules
3	CCDA 3 – Ensure carriage of construction material in closed/covered vessels.	More efforts are required to enforce the rules

**(vi). Activities pertaining to Control on Other Sources**

<b>Sno.</b>	<b>Activity</b>	<b>Assessment/ Observations of Department of Environment</b>
1	COS 1 – Dissemination of Air Quality Index	More efforts are required by the Board
2	COS 2 – Establish an Air Quality Management Division at SPCB HQ	To be followed up
3	COS 3 – Setup helpline in each city/town as well as SPCB HQ	To be expedited
4	COS 5 - Monitoring of DG sets and action against violations	To be followed by Board
5	COS 6-Source apportionment study w.r.t. PM <sub>10</sub>	To be expedited

4. The Committee noted the progress and observations of Department of Environment and directed expediting action on all the pending activities in particular:

- (i). All the stakeholder departments were asked to validate the budget estimates given in the draft plans and arrange the requisite funding from various State and Central Schemes.

## Proceedings of the 4<sup>th</sup> meeting of State Apex Committee

- (ii). Department of Transport shall expedite the process of framing policy of E-Vehicle Policy and phasing out commercial diesel vehicles of age more than 15 years.
- (iii). Deputy Commissioner shall pass appropriate orders for earmarking "No-Parking Zones"
- (iv). Department of Food and Civil Supplies and Department of Local Govt. shall expedite laying of CNG pipeline network and explore CNG operated buses for city bus services at Patiala, Jalandhar, Amritsar, Bathinda and Mohali.
- (v). Department of Local Government shall explore performance-based penalty clause in the contract awarded for various roads to ensure potholes free roads.
- (vi). Department of Environment is working out modalities to engage NEERI for capacity building, handholding in rolling out plans and providing necessary technical and expert advice as may be required including best practices for implementation of various action plans.

### Agenda No. 4.6

#### Review of Implementation of Draft Plan for Waste Management

1. The Committee noted the progress on finalization of the Draft Action Plans and requested that the departments shall give their concurrence on the updated Draft Action Plans in writing so that the Action Plans can then be placed before the CMM for approval.
2. The Committee noted the observations of NGT appointed committee and NGT's directions after appearance of the Chief Secretary before NGT as brought out in the Agenda. The Committee directed that action shall be expedited on the same and the same shall be monitored regularly.
3. PSSTE presented the progress on various activities of the action plan for waste management giving the baseline, target, timelines and overall assessment of the current status given below:

#### (i). Activities pertaining to Municipal Solid Waste Management

Progress of Implementation of Action Plan for Solid Waste Management		
Sno.	Activity	Assessment/ Observations of Department of Environment

**Proceedings of the 4<sup>th</sup> meeting of State Apex Committee**

1	Monthly Review Meetings by Deputy Commissioners	Instructions be issued to the DC's for regular meetings. Capacity building and training shall also be organized for district officials.
2	Submission of SWM Action Plans by ULBs	Local Government to scrutinize the ULB wise plans for requisite budget and other details for ensuring compliance with the MSW rules
3 to 5	Identification and procurement of sites for solid waste processing facilities and landfill sites	Solid waste processing will include compost pits, material recovery facilities and landfill facilities
6 to 7	Enforcing waste generators to practice segregation at source, D2D collection, transportation	There should be a clear definition for evaluating a ward as having completed source segregation e.g. 90% of HH practicing segregation for 60 days. Similarly 90% wards having completed in a ULB, the ULB may be declared as completed source segregation
8	Ensure separate storage, collection, transportation of C&D waste	Sites identified but more efforts required for setting up of processing facilities
9 to 12	Setting up solid waste processing facilities and sanitary landfill sites by all local bodies	Department of Local Government to chalk out clear plans for material recovery facilities, channelization of recyclable material, high calorific value waste to energy and taking inert material to landfill sites. Priority may be given to the three cities and three towns notified for development as model cities and towns within six months as directed by NGT
13.	Bio-remediation or capping of old and abandoned dump sites (Treatment of Legacy Waste)	Department of Local Government to chalk out clear plans for bio-remediation of existing legacy sites and scale up the efforts. Priority may be given to the three cities and three towns to be developed as model cities and towns within six months as directed by NGT
14.	Public sweeping including night sweeping	Details being analyzed
15.	Waste Processing by Bulk Waste Generators	Identification of Bulk Waste Generators and enforcing their obligations
16.	Onsite waste management of green/ horticulture waste	Details being analyzed



**Proceedings of the 4<sup>th</sup> meeting of State Apex Committee**

17.	Integration of Rag Pickers/ Waste collectors/ Kabadis	Details being analyzed
18.	GPS tracking of mechanized collection and transportation vehicles	Needs to be expedited for 100% coverage
19.	Citizen Grievance Redressal through Swachh App	Needs to be more effective and popularized
20.	Mixing of solid waste into water bodies/ drains/ rivers etc.	Department to focus on Buddha Nallah as a special case.
21.	Awareness mechanism for behaviour change	Going on as per Swachh Bharat campaign
22.	Monitoring of Dump sites by the Board	Department to pay special attention as most of the sites have not been found to be complying with the guidelines.
23.	Monitoring of Processing sites by the Board	The Board shall monitor the processing sites as well.

**(ii). Activities pertaining to C&D Waste Management**

<b>Progress of Implementation of Action Plan for C &amp; D Waste</b>		
<b>Sno.</b>	<b>Activity</b>	<b>Assessment/ Observations of Department of Environment</b>
1	Formulation of policy by State Government	To be expedited
2	Identification of sites for collection and processing facility	Large number of site have been identified
3	Commissioning and implementation of the facility	No processing facility has been set up. The Department shall prioritize the model cities and towns being developed.
4	Monitoring of awareness programmes	Needs to be scaled up
5	Monitoring of Collection, Segregation and channelization of C&D Waste	Regular checking of sites is required and imposition of penalty on defaulters
6	Issuance of directions for proper management of C&D waste	Directions need to be monitored for successful implementation
7	Sanctioning of waste management plans of generators	Needs to be expedited

**Proceedings of the 4<sup>th</sup> meeting of State Apex Committee**

8	Monitoring of the Processing Sites by PPCB	No processing site so far
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**(iii). Activities pertaining to Plastic Waste Management**

<b>Progress of Implementation of Action Plan for Plastic Waste Management</b>		
<b>Sno.</b>	<b>Activity</b>	<b>Assessment/ Observations of Department of Environment</b>
1	Framing of bye-laws by all ULBs incorporating provision of the Rules, user fee, penalties/fines for littering, burning plastic waste etc.	To be expedited
2 & 3	Enforcing waste generators to practice segregation of bio-degradable, recyclable and domestic hazardous waste	Overlaps with SWM
4	Setting up of Material Recovery Facilities (MRF) by all ULBs	MRF yet to be set up properly
5	Awareness programmes to discourage use of single use plastic	Need to launch a State wide campaign
6	Littering / open burning of plastic waste	Overlaps with SWM
7	Registration under Plastic Waste Management Rules, 2016	Board to ensure compliance
8	Monitoring of Producers, Importers and Brand owners under EPR	Board to take effective steps
9	Random inspection of Recyclers, Producers, Importers, Brand-Owners	Board to take effective steps
10	Monitoring of Annual Return to be filed by ULBs	ULBs are not filing annual returns regularly
11	Monitoring of the ban on plastic carry bags in the State	A comprehensive action plan is required to ensure successful implementation of the ban. The same shall be presented in the next meeting.

**(iv). Activities pertaining to Bio-medical Waste Management**

<b>Sno.</b>	<b>Activity</b>	<b>Assessment/ Observations of Department of Environment</b>
1	Identification & Authorization of private HCFs	There is good progress by the Board

**Proceedings of the 4<sup>th</sup> meeting of State Apex Committee**

2 to 5	Identification & Authorization of HCFs under Department of Health, Medical Education, Rural Development, Animal Husbandry	Departments to expedite action and seek budget for setting up facilities as required by Rules
6	Monitoring of HCFs and CBWTFs	Board is taking steps for the same
7	Meetings of the State Level and District Level Committees constituted under BMW Rules, 2016	Regular meetings shall be held
8	Annual Return to be filed by HCFs and CBWTFs	Board to ensure

**(v). Activities pertaining to E-Waste Management**

<b>Sno.</b>	<b>Activity</b>	<b>Assessment/ Observations of Department of Environment</b>
1.	Identification / Inventorisation of bulk consumers and quantification of E-waste	Board needs to speed up the Inventorisation
2.	Compliance of Extended Producer Responsibility	An effective mechanism to be put in place
3.	Grant of Authorization to Manufacturers, Dismantlers, Recyclers and Refurbishers and its online Updation	The Board to ensure compliance
4.	Random inspections of Dismantler, Recycler, Refurbishers	The Board to ensure compliance
5.	Annual Return to be filed by Bulk Consumers, Manufacturer, Refurbishers, Recycler, Dismantler.	Board needs to monitor effectively and expedite

**(vi). Activities pertaining to Hazardous Waste Management**

<b>Sno.</b>	<b>Activity</b>	<b>Assessment/ observations of Department of Environment</b>
1	Identification of hazardous waste generating units	Board needs to increase surveillance to identify such units
2	Monitoring of compliance of Hazardous Waste generating units	Being done by the Board

**Proceedings of the 4<sup>th</sup> meeting of State Apex Committee**

3	Monitoring of Common Hazardous Waste Treatment, Storage & Disposal Facility (01.01.2019 to 31.03.2019)	Being done by the Board
4	Installation of Incinerator at Common TSDF	Pending. Board to expedite the same.
5	Interstate movement of hazardous waste for recycling/ reutilization / disposal	It has been reported by PWSSB that some hazardous material has been illegally dumped by industrial units outside the state in the sewerage system of Zirakpur which is impacting the functioning of STP. Board to investigate and take necessary action.
6	Monitoring of quantum of hazardous wastes recycled and utilized	Being monitored by the Board
7	Monitoring of quantum of hazardous waste disposed	Being monitored by the Board
8	Submission of Annual returns	Board to ensure compliance

**Agenda No. 4.7**

**Review of Draft Action plan for Reuse of treated waste water**

The Committee noted the current status and directed the Department of Local Government, Department of Soil and Water Conservation and Department of Water Resources to expedite their inputs for preparation of Action Plan for reuse of treated waste water. The Plan is to be submitted to CPCB by 30<sup>th</sup> April 2019.

**Agenda No. 4.8**

**Policy for proper disposal of sewage in rural areas and other related matters**

The Committee noted the current status and constituted a committee comprising of FCRDP, PSSTE, SWSS, SLG-MDWSSB to finalize the draft policy with inputs from the Technical Committee headed by Chairman, PPCB. The Draft Policy to be finalized by 15<sup>th</sup> May and thereafter presented in the meeting to be chaired by Chief Secretary for finalization.

**Agenda No. 4.9**

**Policy for mining of minor minerals as per NGT's order dated 16.1.2019**

The action taken report by Department of Water Resources covering various directions of NGT was noted. The Department to taken necessary follow up action and submit the compliance report to NGT, if required.

**Agenda No. 4.10**

**Performance Assessment of Key Functionaries of the Departments**

1. In line with NGT's direction to ensure timely and speedy execution of various measures outlined in the Action Plans and to take disciplinary and penal action against erring officers/ officials, draft guidelines regarding assessment of performance of functionaries at various levels was accordingly presented to the Committee.
2. Key activities have been mapped on various functionaries with target being quantified from the action plans. The achievement against the target will be measured and scores will be assigned based on the same. The total score on various activities will go in the performance assessment of the officer. The weightage of assessment on performance on environmental action plans will depend on the overall nature of duties of the functionary.
3. The Committee noted the draft and it was decided that the draft guidelines may be circulated to the relevant departments for their feedback, suggestion and baseline data. The final draft be presented in the next meeting for further discussion and approval.

**Agenda No. 4.11**

**Training & Capacity Building for various Environment Protection Plans**

1. Draft Plan for training and capacity building for various functionaries of relevant departments and organizations at various level of hierarchies for Environment Protection Action Plans for Air, Water and Waste was presented to achieve the following objectives:
  - (i). Raising awareness and changing the mindset,
  - (ii). Building trust and appreciation for the purpose of various Environment Protection Plans, environmental concerns, issues, roles and responsibilities of different stakeholders
  - (iii). Providing tools and skills to improve the existing practices, procedures and methodologies enhancing quality control and assurance
  - (iv). Promoting an integrated approach
  - (v). Instilling core competencies in the technical, administrative and public participation aspects of Environment
  - (vi). Reinforcing accountabilities and identifying aspects that require improvement
  - (vii). Strengthening institutional arrangements
  - (viii). Understanding new challenges and requirements
2. It was also informed that the Department is planning to engage the services of Central Government organization, NEERI for capacity

## **Proceedings of the 4<sup>th</sup> meeting of State Apex Committee**

building, handholding and other technical support for implementation of various Action Plans.

3. The Committee noted the training and capacity building proposal and directed that the same shall be finalized expeditiously so as commence the training and capacity building by June.

### **Agenda No. 4.12**

#### **Streamlining Governance of Various Environmental Action Plans**

The committee noted the need to streamline the governance of various Environmental Action Plans at three levels. The Governance structure must be supported by adequate program management support at all three levels to make their functioning effective and conducive to achieve the objectives of successful implementation of the plans.