

Minutes of 4th meeting of Ambient Air Quality Monitoring Committee(AQMC) held under the Chairmanship of Principal Secretary, Department of Science, Technology & Environment (STE), Govt. of Punjab on 25.03.2019 at 11:30 AM in the Conference Room, O/o PSCST, Chandigarh to review Progress of Action Plans for Clean Air of 9 Non-Attainment Cities.

1. Following officers attended the meeting:

1.	Department of Environment	<ol style="list-style-type: none"> 1. Sh. KeshavHingonia, IAS, Additional Secretary, 2. Sh. Saurabh Gupta, IFS, Additional Director, 3. Sh. Pardeep Garg, Joint Director, 4. Sh. ParveenSaluja, Environment Engineer, 5. Sh. Abhishek Chahuan, Scientific Officer, 6. Ms. Harpreet Kaur Sehgal, Senior Research Fellow,
2.	Punjab Pollution Control Board	<ol style="list-style-type: none"> 1. Sh. Pawan Garg, Member Secretary, 2. Sh. G.S. Majithia, Chief Environmental Engineer, 3. Sh. A.K. Kalsi, Senior Environmental Engineer, 4. Dr. Charanjit Singh, Scientific Officer,
3.	Department of Local Government	<ol style="list-style-type: none"> 1. Sh. RadeshKalra, Joint Director, 2. Dr. Kanwar Ajay Singh, Municipal Corporation, Amritsar 3. Sh. Sunil Mahajan, XEN (C), Municipal Corporation Amritsar
4.	Department of PWD (B&R)	<ol style="list-style-type: none"> 1. Sh. S.K. Gupta, Chief Engineer (HQ), 2. Sh. Ravi Chawla, Executive Engineer, 4. Sh. Samarpreet Singh, Sub Divisional Engineer
5.	Department of Industries and Commerce	<ol style="list-style-type: none"> 1. Sh. S.K. Sharma, Executive Engineer, PSIEC 2. Sh. Gurbachan Singh, Sub Divisional Engineer (H), PSIEC
6.	Department of Transport	<ol style="list-style-type: none"> 1. Sh. Manjit Singh, DSTC
7.	Department of Food & Civil Supplies, Punjab	<ol style="list-style-type: none"> 1. Smt. Simarjot Kaur, Additional Director,
8.	Additional Director General Police (Traffic)	<ol style="list-style-type: none"> 1. Sh. Hartej Singh, IPS, DIG, Traffic

9.	Department of Housing & Urban Development Punjab	<ol style="list-style-type: none"> 1. Sh. Pawan Kumar, Sub Divisional Engineer (PH), JDA, PUDA 2. Sh. Jasjot Singh, Division Engineer (C),GLADA 3. Sh. GurjitSnigh, Division Engineer (C), JDA, Jalandhar & ADA, Amritsar
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2. Environmental Engineer, Directorate of Environment & Climate Change(DECC) welcomed the members & apprised them about the latest order of the National Green Tribunal(NGT) for directing six states including Punjab to submit action plan for nine non-attainment cities by 30.04.2019 for bringing the standards of air quality within the prescribed norms, failing which States would be liable to pay environment compensation of Rs 1.0 crore each. Action plan of the state, if found to be deficient will be liable to pay Rs 25 lakh each.
3. Principal Secretary, Department of Science, Technology & Environment (STE), informed that draft action plans comprising of time line, allocation of responsibility, monitoring mechanism & governance have been prepared. However, lots of gaps have been found in the information supplied by various stakeholder departments in the action plans. Gaps & incomplete information will be the sole responsibility of the concerned stakeholder department. It was made clear to all the stake holder departments that incase NGT imposepenalty to the State due to incomplete action plan then 25% of the penalty will have to beborne by the concerned Regional office of the PPCB and remaining 75% penalty to be borne by the concerned department responsible for the activity.
4. Thereafter agenda was discussed and decisions taken as follows.

ItemNo. 1: Action Taken Report on the Minutes of the meetings held on 22.01.2019 &06.02.2019

1. No report has been received on the following decisions:
 - (i) PPCB will legally examine the NGT orders for putting in place an effective implementation mechanism by all the concerned departments.
 - (ii) PPCB should ascertain thepolicy for installation of Continuous Ambient Air Quality Monitoring Stations (Manual/ Online) and see whether

some of the cities will move out from the list of non-attainment cities. The Needful may be done in two weeks.

- (iii) PPCB shall engage the services of IIT Delhi or other such reputed government institution for carrying out source apportionment studies for the cities for non-attainment cities
 - (iv) PPCB may engage an agency to design IEC material. Public Awareness is very important for control of air pollution. While implementation of public awareness actions will be done at the district level and through different departments /organizations, there is need to design and finalize the IEC material required for organizing public awareness programmes at the Central Level.
 - (v) PPCB may engage an agency for handholding district administration in rolling out the action plan in terms tracking progress reports, explaining various action points and supporting ROs and other city authorities in coordinating and reviewing the progress at the district level.
 - (vi) Local Govt. shall explore the possibility of funding from "Urban Environment Improvement Programme" launched by Government of Punjab for the infrastructure/ maintenance related activities proposed in the action plans.
2. The Concerned Departments to expedite necessary action in the matter.
 3. Further, it has been decided that action taken report on the decisions of the previous meeting shall also be placed every time in the next review meeting.

Item No. 2: Review of progress for control of Industrial Emissions

2.1 Activity CIE 1: Conversion to Side Suction Hood in Induction Furnaces

It was noticed that the progress of Ludhiana City was slow w.r.t conversion of induction furnaces to side hood technology and same is required to be expedited. Further, PPCB shall maintain list of induction furnaces which has taken the design of side hood technology, started fabrication and converted at their own end. It was decided that PPCB shall also monitor the amount of dust collected per day from converted units and sent to the re-cycler for the recovery of Zinc metal.

2.2 Activity CIE 2: Conversion of Industries from Coal to CNG

Chief Engineer, Air, PPCB informed that Board is following up with the industry for making agreement with the CNG companies. However, no direction has been issued to the industries by Board for conversion of industry from coal to CNG. It was decided that PPCB shall conduct a joint meeting with the Industrial Associations, CNG companies, Deptt. of Food & Civil Supplies to decide the various issues between them and if required issue direction u/s 31-A of the Air Act, 1981.

2.3 Activity CIE 3: Conversion of Natural Draft Brick Kilns to Induced Draft

Progress of Ludhiana city was observed to be slow. The Committee directed PPCB to persuade the Brick Kilns in Ludhiana and the progress in this regard be put up in the next meeting of committee.

2.4 Activity CIE 4: Action against Non-Complying Industrial units

PPCB informed that most of the industries have provided adequate APCDs as monitored during the inspections made by their officers. It was decided that inspections made by the Regional Officers be 10% randomly checked by the Senior Environmental Engineers and 5% by the Chief Environmental Engineer. A check list may also be finalized to check the adequacy of the APCD.

2.4 Activity CIE 5: Shifting of industries from non-designated area to industrial Area

PSIEC was directed to identify the area for development of the Focal points so that industries located in the non-designated area be directed to shift in the designated area. PSIEC shall also provide information regarding number of industries located in the non-designated areas & area required for shifting of these units in the prescribed performance CIE 5(a). It was suggested by the Chief Engineer, Air, PPCB that red category industry shall be shifted at first instance followed by orange and green category.

It was decided that PSIEC shall conduct a joint meeting with the Industrial Associations, PPCB, Deptt. of Distt. Town & Country Planning to explore

the possibility of shifting the industry from non-designated area to designated areas.

Item No. 3 Review of progress for control of Road Dust

3.1 CRD 1: Maintain pothole free roads for free-flow of traffic

It was decided that Municipal Corporation/ Public Works Department / Punjab Urban Development Authority /Punjab Small industries & Export Corporation will identify all the roads requiring regular patchwork to minimize the road dust emissions. Information in this regard shall be supplied by the respective departments in the prescribed performa CRD1 (a), (b),(c) and (d) respectively.

3.2 CRD 2: Water sprinkling on roads & procurement of water sprinklers

The major roads requiring water sprinkling are to be identified along with its road length by Department of Local Government for all nine non-attainment cities. Further, the requirement of water sprinklers to be procured to be worked out along with its timeline. Information in this regard be supplied in prescribed performa CRD 2 (a) & (b).

3.3 CRD 3: Procurement of Mechanical sweeping machines

The major roads requiring mechanical sweeping are to be identified along with its road length by Department of Local Government for all nine non-attainment cities. Information in this regard shall be provided in the prescribed performa CRD 3

3.4 CRD 4: Creation of green buffers along the traffic corridors

It was decided that areas along the traffic corridors be identified to create green buffers by the respective Departments maintain the roads. Information in this regard shall be provided in the prescribed performa CRD 4 (a),(b) & (c) by the respective departments.

3.5 CRD 5: Water fountains at major traffic intersection

It was decided that main traffic intersections in all non-attainment cities shall be identified by Department of Local Government for providing water fountains to suppress dust emissions.

3.6 CRD 6: Greening of open areas community places, schools and housing societies

The number of open areas such as community places, schools and housing societies requiring greening needs to be identified in the respective cities by Department of Local Government.

3.7 CRD7 Blacktopping of metaled road including pavement of road shoulders

It was decided that Municipal Corporation/ Public Works Department / Punjab Urban Development Authority will identify the Katcha/ Brick Paved Roads including the roads requires re-carpeting which need to be converted into blacktopped roads. Information in this regard shall be supplied by the respective department in the prescribed Performa CRD 7 (a), (b) & (c) respectively.

Item No. 4 Review of progress of implementation for control of Vehicular Emissions

4.1 CVE 1: Public awareness campaign for control of vehicular emissions

It was noted that Department of Transport & Traffic Police has not sent the information regarding public awareness campaign for control of vehicular emissions for the month of January & February, 2019. Department of Transport was asked to conduct public awareness campaign jointly with the Traffic Police and send the information on the monthly basis. It was also felt that public awareness campaign to be conducted on the Air Pollution and decided that PPCB shall engage an agency to design IEC material for public awareness.

4.2 CVE 2: Remote sensor-based PUC system

PPCB informed that the shortlisting of vendor has been completed and terms of reference for the vendor shall be finalized by the Department of Transport by 31.05.2019. It was decided that Department of Transport shall submit the latest status report in the next meeting.

4.3 CVE 3: Extensive drive against polluting vehicles

It was noted that the information of the only Ludhiana city has been received from the Traffic Police. DIG, Traffic Police was requested to send

the complete information of all the nine non-attainment cities on monthly basis.

4.4 CVE 4 (a): Development of Parking areas

It was decided that sites identified for the parking shall be divided into three categories i.e. number of parking area proposed for commercial vehicles, multistory & road side parking (yellow line marking along the road side) for private vehicles.

4.5 CVE 4 (b): Prevent parking of vehicles in non-designated areas

It was noted that the information of only Ludhiana city has been received from the Traffic Police. DIG, Traffic Police was asked to launch extensive drive against the vehicle parked in non-designated area and send the complete information of challan issued to vehicle parked in non-designated area of all 9 non-attainment cities on monthly basis.

4.6 CVE 5: Check fuel adulteration

It was noticed that no challan was issued to the petrol pumps during the month of January and February, 2019. Additional Director, Department of Food & Civil Supplies, Punjab informed that adulteration in the petrol is minimum and checking should be need based as oil companies are regularly checking adulteration in the petrol on their own level.

4.7 CVE 6 Widening of road, redesign of junction & improvement of infrastructure to decongest roads

It was decided that Municipal Corporation/ Public Works Department / Punjab Urban Development Authority will identify roads having traffic congestion due to lack of parking/ bottleneck, which requires widening. Information in this regard shall be supplied by the respective department in the prescribed Performa CVE 6(a),(b), (c) respectively. MC jointly with traffic police will identify roads.

4.8 CVE 8: Introduce intelligent traffic system

It was decided that Local Government shall submit status of the activity on monthly basis.

4.9 CVE 11: Promotion of battery-operated vehicles

It was decided that department of transport shall submit status regarding notification of the E-vehicle Policy.

4.10 CVE 12 (a): Introduction of CNG based public transport

It was decided that the Department of Transport shall provide information regarding methodology being adopted for introduction of CNG based autos/any other public transport in non-attainment cities.

4.11 CVE 12 (b): Setting up of CNG stations for public transport

Additional Director, Department of Food & Civil Supplies, Punjab informed that the Department is facilitating the private companies for setting up of the CNG stations. It was decided that the Department of Food & Civil Supplies shall work as a nodal agency for setting up of CNG stations for the public transport. Department of Food & Civil Supplies shall jointly conduct a meeting with Oil companies & Department of Transport and PPCB for setting up of CNG stations for public transport and introduction of CNG based public transport.

Item No. 5 Review of progress of implementation for Control on Burning of Garbage and Biomass of Vehicular Emissions

5.1 CBGB 1: Control on open burning of bio-mass in City

It was noticed that no information related to challan issued, has been provided by the MCs except Dera Bassi and Khanna. It was decided that the local government shall submit information of challan issued on monthly basis.

5.2 CBGB 2: Control on burning of municipal solid waste

It was notice that MCs of Mandi Gobindgarh, Jalandhar, Ludhiana, Patiala and Dera Baba Nanak has not provided the information related to number of challan issued to violator for burning of MSW. It was decided that local government shall send the complete information on a monthly basis.

5.3 CBGB 3: Control on burning of agriculture waste and crop residue

The activity is a seasonal activity. PPCB was requested to monitor the no of stubble burning incident reported, Nos of cases in which environmental compensation imposed, Total amount of environmental compensation imposed, Total amount of environmental compensation recovered in the coming Kharif season.

Item No. 6 Review of progress of implementation for Control on Other Sources

6.1 CCDA1: Enforcement of Construction & Demolition Rules

It was noticed that no Challan has been issued to the violator for dumping the C&D waste on non-designated areas, not carrying the construction material in enclosed/ covered vessels, not using proper curtains/ sheets on the construction site & keeping the construction material on the roads to avoid spreading of dust emissions. Local Govt. was requested to take action as per C&D waste management Rule, 2016.

6.2 COS1: Dissemination of Air Quality Index

It was noticed that PPCB has informed that CAAQMS shall be installed after receiving funds from CPCB. It was decided that PPCB shall follow up with the CPCB for the requisite fund. PPCB shall also install online display board for the Dissemination of Air Quality Index at public places like bus stand or railway station of the city, where CAAQMS has already installed.

6.3 COS2 & COS 3: Establish an air Quality Management Division at SPCB HQ and Setting up helpline in each city/ town as well as SPCB HQ

It was notice that there was no progress for establishment of an air Quality Management Division at SPCB HQ and setting up helpline in each city/ town as well as SPCB HQ. It was decided as under:-

- (i) PPCB shall study the Mobile van launched by PGI, Chandigarh for the Air quality monitoring and purchase the similar van for creating public awareness.
- (ii) PPCB may hire service of any agency/organization for handholding of district administration in rolling out the action plan in terms tracking progress reports, explaining various action points and supporting ROs and other city authorities in

coordinating and reviewing the progress at the district level to ensure implementation of the plans as per NGT directions.

6.4 COS 5: Monitoring of DG sets and action against violations

It was noticed that identification of DG sets not fulfilling the norms for control of emissions & noise are very less and the same is required to be improved

6.5 COS 6: Source apportionment study w.r.t. PM10

It was noticed that Source Apportionment Study has only been conducted in the Ludhiana city and scientific data is much needed based on which later on evaluation of air action plans can be made. It was decided that remaining cities especially Amritsar Jalandhar Mandi Gobindgarh and Khanna city shall conduct of Source apportionment study. PPCB shall shortlist the agency /organization for conducting Source apportionment studies in the above cities by 15.04.2019 and shall submit the action taken report on the recommendation of Source apportionment study conducted in the Ludhiana city.

Item No. 7 Other Important Decisions:

1. It was noticed that complete information has not been sent by various stakeholder and it was decided to organize a workshop for capacity building of officers of various stake holder before 31st March, 2019
2. All the stakeholder departments were requested to submit the complete information positively by 31.03.2019. Updated monitoring performas along with gaps are annexed as Annexure-A.
3. PPCB was asked to ensure to conduct meeting of air quality monitoring committee (AQMC) at district level once in a month.
4. Joint Director asked all the departments to give suggestions for the improvement of Performa for the online monitoring system.
5. A nodal officer shall be nominated by all the concerned stake holder departments for better coordination and effective implementation of action plan.