

Proceedings of the 6th Meeting
of
Air Quality Monitoring Committee
under
Chairmanship of Principal Secretary, Science, Technology and Environment



8th July 2019

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

Minutes of 6th meeting of Air Quality Monitoring Committee (AQMC) held under the Chairmanship of Principal Secretary, Science, Technology & Environment (STE), Govt. of Punjab on 08.07.2019 at 03.00 PM in the Conference Room, O/o PSCST, Chandigarh to review Progress of Action Plans for Clean Air of Nine Non-Attainment Cities.

Agenda No. 6.0	Leave of Absence
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The list of officers, who attended the meeting is attached at Annexure-I.

Agenda No.6.1:	Action Taken Report on the Minutes of the meeting held on 14.05.2019
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Action taken on the proceedings of 5th meeting was noted by the Committee.

Agenda No. 6.2:	Review of progress w.r.t. activities pertaining to Punjab Pollution Control Board
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The Committee reviewed the progress of various activities relating to PPCB as per Agenda and following observations / directions were issued:

Activity No.	Activity	Observations and Decisions
CIE-0	Air Quality Monitoring Report	<p>AQI data and online data from other devices shall be integrated into one portal for effective monitoring. The detailed protocol, validation, calibration and other relevant modalities need to be worked out. It will also require adequate data space and data analysis including AI. PSCST to organize separate follow up meeting on the same to finalize the way forward.</p> <p>The impact of various measures on air pollution also needs to be demonstrated. A model needs to be developed accordingly. PSCST had done source apportionment study for Ludhiana and the same shall be developed to forecast the impact of various measures.</p> <p>It was decided that further discussion shall be held with the expert institutions such as PGI, IISER & PHFI for monitoring of air quality status including installation of low-cost ambient air monitoring equipment's for relevant</p>

		parameters. PSCST to lead the discussions and further way forward in the matter.
CIE -1	Conversion to Side Suction Hood in Induction Furnaces (IFs)	<p>The progress was found to be slow.</p> <p>PPCB was asked to persuade the remaining units for conversion to Side Suction Hood by 30.09.19, failing which Environmental Compensation be imposed on the defaulting units.</p> <p>PPCB yet to supply the details for verification of quantity of dust being supplied to M/s. Madhav Alloys by the Induction Furnace units.</p>
CIE -2 (i)	Conversion of Industries from Coal to CNG/ PNG	<p>The progress was found to be slow.</p> <p>PPCB informed that it has issued notice u/s 33 of Air Act for issuing directions.</p>
CIE-3	Conversion of Natural Draft Brick Kilns to Induced Draft	<p>The progress was found to be slow. PPCB was directed to recover environmental compensation as imposed by the Government. Concerned Regional Officers to be held accountable. RO wise details will be reviewed in the next meeting.</p>
CIE-4	Action against Non-Complying Industrial units	<p>The disposal of cases was slow.</p> <p>PPCB was directed to expedite the progress by completing action against the defaulting unit within 45 days. Further, the criteria for selecting the industries for inspection may also be supplied. PPCB shall take action to impose EC as per NGT's directions.</p>
CBGB-3	Control on burning of agriculture waste and crop residue	<p>PPCB was directed to expedite recovery of EC.</p> <p>PPCB shall also take up with Agriculture Department regarding IEC activities.</p>
COS-1	Dissemination of Air Quality Index	<p>PPCB was directed to install display boards at prominent public places like Railway Station, Bus Stand etc. for dissemination of Air Quality Index.</p>

COS-2 &3	Establish an Air Quality Management Division at SPCB HQ and helpline in each city as well as SPCB HQ	PPCB was asked to strengthen the division at head office and a Chief Engineer level Officer shall head the division at head office.
COS- 4	Monitoring of DG sets	PPCB was asked to take action against violators
COS- 5	Source apportionment study	PPCB reported that it has signed MoU with IIT Delhi. PPCB was asked to provide the firm timelines along with copy of MoU.
TCB-1	Training and Capacity Building Programme	PPCB was asked to develop the IEC material for organizing training and Capacity Building Programme.

Agenda N.6.3 Review of progress w.r.t. activities pertaining to Local Government:

Progress made by the Department was discussed as under:

Activity No.	Activity/ Decisions	Observations and Decisions
CRD 1 (i)	Maintain pothole free roads /Patch work of roads	The progress was found slow. No progress has been made by Khanna, Amritsar, Derabassi and DBN ULBs. The concerned Commissioner/ EO will be held responsible if the targets are not met as per timelines in the action plan. Action shall be taken against them as per NGT directions.
CRD 2 (i)	Water sprinkling on identified roads	The progress was found slow. It was further decided that GPS / GIS based monitoring of water sprinklers to be adopted. PSCST to organize discussion separately for way forward on GIS/ GPS systems with all the stakeholders.

CRD 2 (ii)	Procurement of water sprinklers	It was noted that water sprinklers are yet to be procured by the Local government. The concerned Commissioner/ EO will be held responsible if the targets are not met as per timelines in the action plan. Action shall be taken against them as per NGT directions.
CRD 3	Procurement of Mechanical sweeping machines	<p>It was noted that no mechanical sweeping machine has been procured by any ULB.</p> <p>The concerned Commissioner/ EO will be held responsible if the targets are not met as per timelines in the action plan. Action shall be taken against them as per NGT directions.</p> <p>It was decided that GPS / GIS based monitoring of mechanical sweeping machine to be adopted. The movement of all such vehicle should be integrated at a single station for better monitoring. PSCST to organize separate discussion on the subject with all the stakeholders for way forward.</p>
CRD 4(i)	Creation of green buffers along road side	<p>The progress was found extremely slow. It was directed:</p> <ul style="list-style-type: none"> i) to prepare green map for Ludhiana, Jalandhar and Amritsar ULB ii) to monitor progress of activity on GIS map iii) to present the progress on GIS map in the next meeting.
CRD 5	Greening of parks, open areas, community places, schools and housing societies	<p>The progress was found extremely slow. It was directed:</p> <ul style="list-style-type: none"> i) to prepare green map for Ludhiana, Jalandhar and Amritsar ii) to monitor progress of activity on GIS map iii) to present the progress on GIS map in the next meeting.
CRD 6	Installation of Water fountains at major traffic intersections	It was observed that no work has been started by MGG, Asr, Nangal & DBN. The concerned Commissioner/ EO will be held responsible if the targets are not met as per timelines in the action plan. Action shall be taken against them as per NGT directions.

CRD 7 (a-i)	Kaccha/Brick Paved Roads to be made Pucca roads	It was noted that the progress is extremely slow. The concerned Commissioner/ EO will be held responsible if the targets are not met as per timelines in the action plan. Action shall be taken against them as per NGT directions.
CRD 7 (b-i)	Existing roads requiring recarpeting	It was noted that progress is slow. The concerned Commissioner/ EO will be held responsible if the targets are not met as per timelines in the action plan. Action shall be taken against them as per NGT directions.
CRD 7 (c-i)	Pavement of road side using interlocking tiles	It was noted that progress is extremely slow. The concerned Commissioner/ EO will be held responsible if the targets are not met as per timelines in the action plan. Action shall be taken against them as per NGT directions.
CVE 4(a-i)	Creating parking infrastructure to prevent parking of vehicles in non-designated areas by designated parking lot site (Nos.)	It was noted that progress is extremely slow, preparation of DPR is under progress for development of designated parking lot sites at Khanna & Jalandhar. However, remaining ULBs are yet to start the work. The concerned Commissioner/ EO will be held responsible if the targets are not met as per timelines in the action plan. Action shall be taken against them as per NGT directions.
CVE 4(a-ii)	Creating parking by developing Multi storey parking lots (Nos.)	It was noted that progress is extremely slow as DPRs of 3 multi story parking lots have been prepared by Ludhiana and for 1 multi story parking lot by Khanna. However, no progress has been made by other ULBs. The concerned Commissioner/ EO will be held responsible if the targets are not met as per timelines in the action plan. Action shall be taken against them as per NGT directions.
CVE 4 (a-iii)	Creating parking for trucks/ commercial vehicles (Nos.)	It was noted that progress is extremely slow as estimate prepared by Mandi Gobindgarh only. No progress has been made by Khanna ULB. The concerned Commissioner/ EO will be held responsible if the targets are not met as per timelines in the action plan. Action shall be taken against them as per NGT directions.

CVE 4(b-i)	Creating parking infrastructure to prevent parking of vehicles in non-designated areas	2no. "Roadside parking by yellow line" are earmarked by Jalandhar out of the total target of 21 roadside parking. However, no work has been started by other ULBs. The concerned Commissioner/ EO will be held responsible if the targets are not met as per timelines in the action plan. Action shall be taken against them as per NGT directions.
CVE 4(b-ii)	Prevent parking of vehicles in non-designated areas by enforcement	It was noted that 86 no. "No Parking" sign boards have been installed out of total target of 294. Department asked to expedite the progress to achieve the target as per the time line given in the action plans.
CVE 6 (a)	Widening of roads and infrastructure for decongestion of roads	11 Km of road length has been widened by Khanna, Ludhiana and Patiala ULBs out of total target of 48km. Department was asked to expedite the progress to achieve the target as per the time line given in the action plans.
CVE 6(b)	Road design improvement	Work is under progress for 42.7 Km of road length for Ludhiana ULBs. Department was asked to expedite the progress to achieve the target as per the time line given in the action plans.
CVE 7	Installation of intelligent traffic systems	Only Jalandhar city is introducing intelligent traffic system under Smart City Project. No progress made by other ULBs. Other ULBs asked to follow the Jalandhar ULB for implementation for installation of intelligent traffic system.
CVE 8	Construction of expressways/ bypasses to avoid congestion	Work allotment is under progress at Ludhiana city. Department asked to expedite the progress to achieve the target as per the time line given in the action plans.
CVE 11 (b)	Introduction of CNG based city Bus Service	Deptt. Informed that no policy has been framed out. Department was asked to frame the policy for Introduction of CNG based city Bus Service for Amritsar, Ludhiana, Jalandhar.

CBGB 1	Control on open burning of bio-mass in City	Department was asked to expedite the progress to achieve the target as per the time line given in the action plans.
CBGB 2	Control on burning of municipal solid wastes	211 challans are issued out of 856 inspection. Local Govt. was asked to carry out inspection regularly and issue challans to the violators.
CCDA 1(a)	Enforcement of Construction & Demolition Waste Rules	321 challans are issued out of 1345 inspection. Local Govt. asked to carry out inspection regularly and issue challans to the violator.
CCDA 1 (b)	Development of Infrastructure of Construction & Demolition waste	4 processing site are notified for C&D waste. Department was asked to provide the list of major commercial Buildings under construction & work out criteria for imposing penalty for violating C&D rules by the next meeting
CCDA 2	Control measures for fugitive measures w.r.t Construction & Demolition Activities	27 challans are issued out of 245 inspection. Local Govt. was asked to carry out inspection regularly and issue challans to the violator.
CCDA 3	Control measures for carrying the construction material enclosed/ covered vessels	Department was asked to conduct regular inspections

Agenda No.6.4	Review of progress w.r.t. activities pertaining to PWD
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Progress made by the Department was discussed as under

Activity No.	Activity/ Decisions	Observations and Decisions
CRD 1 (ii)	Maintain pothole free roads /Patch work of roads	30 Km (53%) of road length completed out of total 56 Km. Department was asked to expedite the progress of remaining work and complete the work as per the time line given in the action plans.
CRD 7 (b-ii)	Existing roads requiring recarpeting	29 Km (30%) completed out of total 97 Km. Department was asked to expedite the progress of remaining work and complete the work as per the time line given in the action plans .
CRD 7 (c-ii)	Pavement of road side using interlocking tiles	6.051 Km (1%) completed out of total 68 Km. Department was asked to expedite the progress of remaining work and complete the work as per the time line given in the action plans.
CVE 6 (a)	Widening of roads and infrastructure for decongestion of roads	4.96 km (1%) completed out of total 38 Km. Department asked to expedite the progress of remaining work and complete the work as per the time line given in the action plans

Agenda No. 6.5	Review of progress w.r.t activities pertaining to PUDA
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Progress made by the Department was discussed as under:

Activity No.	Activity/ Decisions	Observations and Decisions
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CRD 1 (iii)	Maintain pothole free roads /Patch work of roads (PUDA)	21 Km work under progress out of total 21 Km at Patiala. Department asked to complete the work within the time line given in the action plans.
CRD 7 (a-ii)	Kaccha/Brick Paved Roads to be made Pucca roads	8.32 Km work under progress out of total 10.87 Km. Department asked to expedite the progress of remaining work and complete the work as per the time line given in the action plans.
CRD 7 (b-iii)	Existing roads requiring recarpeting	11.94 Km (99%) completed out of total 12 Km. Department asked to complete the work within the time line given in the action plans.
CRD 7 (c)	Pavement of road side using interlocking tiles	11.84 Km work under progress out of total 11.84 Km Department asked to complete the work within the time line given in the action plans .
CVE 6 (a)	Widening of roads and infrastructure for decongestion of roads	2.4 Km (10%) work under progress out of total 23.54 Km. Department asked to expedite the progress of remaining work and complete the work within the time line given in the action plans
CVE 8	Construction of expressways/ bypasses to avoid congestion for the month of May, 2019 (PUDA)	Work of Missing Link Phase-III, (Malerkotla road to Dugri Road) allotted and same is under progress. Department asked to expedite the progress of remaining work and complete the work within the time line given in the action plans

Agenda No. 6.6	Review of progress w.r.t. activities pertaining to Department of transport
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Progress submitted by the Department was discussed as under:

Activity No.	Activity/ Decisions	Observations and Decisions
CVE 1	Public awareness campaign f	The progress was observed slow. Department asked to submit annual target& no. of camps organised for public awareness.
CVE 2	Remote sensor-based PUC system	The progress was observed slow. Separate review with transport department and PPCB to be held.
CVE 9	Phasing out commercial diesel vehicles more than 15 years old.	It was noted that no policy has been made by the department. Department asked to intimate proposed steps to be taken for banning of entry of commercial diesel vehicles more than 15 years old in non-attainment cities.
CVE 10	Promotion of E-vehicles	Deptt. Informed that Policy of E-vehicles is under preparation at Government level. Department asked to share draft E-vehicle policy with DECC.
CVE 11	Introduction of CNG based autos/taxis.	It was noted that no policy has been framed out by the department. Department asked to frame the policy.

Agenda No. 6.7	Review of progress w.r.t. activities pertaining to Traffic Police
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Progress made by the Department was discussed as under:

Activity No.	Activity/ Decisions	Observations and Decisions
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CVE 1	Public awareness campaign for control of vehicular emissions	It was noted that 1076 Public awareness camps organised upto June 2019. Department asked to conduct regular public awareness campaign
CVE 3	Extensive drive against polluting vehicles.	It was noted that 3784 challans issued against polluting vehicles Department asked to make regular inspections & challaning of violator.
CVE 4	Prevent parking of vehicles in non-designated areas by enforcement actions	20888 challans issued to prevent parking of vehicles in non-designated area. Traffic police was directed i) to install CCTV camera at 02 locations(non-designated parking areas), on trial basis in Ludhiana City . ii) to issue challans for parking in non- designated areas based on the footage of CCTV cameras. iii) to present the progress in the next meeting

Agenda No. 6.8 Review of progress w.r.t. activities pertaining to PSIEC

Progress made by the Department was discussed as under:

Activity No.	Activity/ Decisions	Observations and Decisions
CRD 4	Creation of green buffers along the road side	It was noted that work has not yet started. Department asked to complete the activity within time given in the action plans.
CRD 7	Existing roads requiring recarpeting	3 Km road length recarpetted out of the total 31.9 Km. Department asked to complete the activity within time given in the action plans.
CIE 2	Creation of Infrastructure for CNG Pipeline	Committee noted that activity has not yet started

		Department of industries (DIC) asked to report status of laying of CNG pipeline and PPCB asked to issue notice to the CNG infrastructure development companies for delay.
CIE 5	Shifting of industries from non-designated areas to industrial Area	Committee noted that activity has not yet started Department asked to expedite the progress and complete the activity as per the timeline given in the action plans.

Agenda No 6.9	Review of progress w.r.t activities pertaining to Department of Food & Civil Supplies
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Progress made by the Department was discussed as under:

Activity No.	Activity/ Decisions	Observations and Decisions
CVE 5	Check fuel adulteration	100 inspections carried out to check fuel adulteration and no violation was observed Department asked to make regular inspections and issue challans to the violator.
CVE 11	Infrastructure development for CNG filling stations	It was noted that 1 new CNG station has been setup and 4 existing petrol pumps upgraded to CNG filling station. Department asked to complete the activity within time given in the action plans.

Annexure-I

List of Officers who attended the meeting

1.	Department of Environment	<ol style="list-style-type: none"> 1. Sh. Rakesh Kumar Verma, IAS, PSSTE 2. Sh. Keshav Hingonia, IAS, ASSTE 3. Sh. Parveen Saluja, EE, 4. Sh. Abhishek Chauhan, SO
2.	Punjab State Council for Science & Technology	<ol style="list-style-type: none"> 1. Dr. S.S. Ladhar, AD
3.	Punjab Pollution Control Board	<ol style="list-style-type: none"> 1. Sh. G.S. Majithia, CEE, 2. Dr. Charanjit Singh, SO
4.	Department of Local Government	<ol style="list-style-type: none"> 1. Sh. RadeshKalra, JDD 2. Sh. Sandeep Singh, EE, MC, Amritsar 3. Dr. Kanwar Ajay Singh MOH, MC, Amritsar 4. Sh. Jatinder Pal Singh MC Amritsar 5. Sh. Kishor Bansal, SE (O&M), MC, Jalandhar 6. Dr. SumitMudh, PCS Joint Commissioner, Ludhiana 7. Sh. S.L Gupta, MC, Patiala 8. Sh. Hardeep Singh, JE, MC, DeraBassi 9. Sh. Mukesh Kumar, ME, MC, Naya Nangal 10. Sh. Balvinder Singh SDO MC Ludhiana
5.	Department of PWD (B&R)	<ol style="list-style-type: none"> 1. Sh. Ravi Chawla, EE, 2. Sh. Samarpreet Singh, SDE
6.	Department of Industries and Commerce	<ol style="list-style-type: none"> 1. Sh. S.K. Sharma, EE, PSIEC. 2. Sh. Gurbachan Singh, PSIEC
7.	Department of Transport	<ol style="list-style-type: none"> 1. Sh. Karan Singh Secretary, RTA, HQ 2. Sh. Jatinder Singh
8.	Department of Food & Civil Supplies, Punjab	<ol style="list-style-type: none"> 1. Dr. Kimmi Vaneet Kaur, DFSO 2. Sh. Anil Duggal, Superintend

9.	Additional Director General Police (Traffic)	1. Sh. Manmeet Singh Dhillon, SP, Traffic
10.	Department of Housing & Urban Development Punjab	1. Sh. Balwinder Singh , SE
11	Department of Agriculture	1. Sh. Anil Sharma
12.	Expert Members School of Public Health, PGIMER ISSER, Mohali Punjab University Public Health Foundation of India	1. Dr. Ravindra Khaiwal, Professor 2. Sh. Tanbir Singh, PHD Scholar 1. Dr. Arvind, Director 1. Dr. Suman 1. Ms. Jyothi S Menon, SRA 2. Sh. Kishore, SRA