

Proceedings of the 7th Meeting
of
Air Quality Monitoring Committee
under
Chairmanship of Principal Secretary, Science, Technology and Environment



9th August 2019

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

Minutes of 7th meeting of Air Quality Monitoring Committee (AQMC) held under the Chairmanship of Principal Secretary, Science, Technology & Environment (STE), Govt. of Punjab on 09.09.2019 at 3.00 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. 7.0	Leave of Absence
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The list of officers, who attended the meeting is attached at Annexure-I.

Agenda No.7.1:	Action Taken Report on the Minutes of the meeting held on 08.07.2019
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Action taken on the proceedings of 6th meeting was noted by the Committee.

Agenda No.7.2:	Review of meetings held by District Committees for non-attainment cities
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Meetings held by various District Committees of non-attainment cities, was noted by the committee. It was decided to write D.O to Deputy Commissioner, Ludhiana and Patiala to conduct District level meeting regular to review the progress of various activity of Clean Air action plan.

Agenda No. 7.3:	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 -1	Conversion to Side Suction Hood in Induction Furnaces (IFs)	The progress was found to be slow. PPCB was asked to expedite the progress of conversion to Side Suction Hood at Ludhiana by 30.09.19, as the progress at Ludhiana is observed extremely slow.
CIE -2 (i)	Conversion of Industries from	The progress was found to be extremely slow at Mandi Gobindgarh and non-starter at Ludhiana, Khanna and Amritsar.

	Coal to CNG/ PNG	PPCB informed that it has issued notice u/s 31-A of Air Act, 1981 to shift industries from coal to CNG.
CIE-3	Conversion of Natural Draft Brick Kilns to Induced Draft	<p>The progress was found to be slow at Ludhiana and Amritsar.</p> <p>It was made clear to PPCB that no extension will be given to the BKO's after 30/09/2019. PPCB was also directed to recover environmental compensation from brick kilns as per the Govt directions w.e.f 01.02.2019.</p>
CIE-4	Action against Non-Complying Industrial units	<p>The disposal of cases was slow as action against 23 cases is pending for more than 45 days.</p> <p>PPCB was directed to expedite the progress by completing action against the defaulting unit within 45 days. Further, PPCB to share the amount of Environmental compensation recovered and shall maintain separate account for EC recovered.</p>
CBGB-3	Control on burning of agriculture waste and crop residue	PPCB was directed to expedite recovery of EC.
COS-1	Dissemination of Air Quality Index	<p>The activity is non-starter.</p> <p>PPCB informed that under NCAP funds have been sanctioned to PPCB for strengthening air monitoring network of Ludhiana & Amritsar which includes installation of CAAQMS and display boards. PPCB is proactively pursuing the matter. PPCB directed to expedite the progress.</p>
COS-2 &3	Establish an Air Quality Management Division at SPCB HQ and helpline	<p>The activity is non-starter.</p> <p>PPCB informed that administrative approval has been done for setting up of air quality management division at HQ and</p>

	in each city as well as SPCB HQ	<p>office order indicating roles & responsibilities will be issued within weeks' time.</p> <p>It was noted that the division shall be set up at H.O and the proposed arrangement will not be effective.</p> <p>PPCB also assured that on the same grounds AQMD/Helpline will also be set up in each non-attainment city.</p> <p>PPCB directed to complete the activity with in targeted time.</p>
COS- 4	Monitoring of DG sets	<p>The disposal of cases was slow as action against 3 cases is pending for more than 45 days.</p> <p>PPCB was directed to expedite the progress by completing action against the defaulting unit, within 45 days.</p>
COS- 5	Source apportionment study	<p>PPCB informed that it has already conducted source apportionment study for Ludhiana and Amritsar and further signed MoU with IIT Delhi for study at remaining 7 cities.</p> <p>PPCB was directed to share source apportionment study details with Dr. Khaiwal (PGI) to analyze the data and its effective implementation to control pollution.</p>
TCB-1	Training and Capacity Building Programme	<p>PPCB informed that the IEC material has been designed and finalized by the competent authority. It will be printed within few weeks.</p> <p>PPCB was asked to expedite the process so that awareness programs can be started for industrial/vehicular and paddy stubble burning to control pollution.</p>
CIE-0	Air Quality Monitoring Report	<p>PSCST informed that RFP for developing and integrated central portal is being prepared. The AQI and online data from other devices would be imported into one portal for its effective monitoring. Whereas, the detailed protocol, validation, calibration and other relevant modalities need to be worked out and will be completed within 60 days.</p> <p>PGI informed that they have been doing trend analysis of PM₁₀ values for Chandigarh City. Further, the trend analysis</p>

		<p>on similar grounds can also be done for non-attainment cities of Punjab.</p> <p>PSCST to organize separate follow up meeting on the same with expert institutions such as PGI, IISER & PHFI to finalize the way forward. Further, PSCST shall share report of source apportionment study for Ludhiana with PGI to forecast the impact of various measures. It was decided that further discussions shall be held with above institutions for monitoring of air quality status including installation of low cost ambient air monitoring equipments for relevant parameters. PSCST to lead the discussions and further way forward in the matter.</p> <p>PPCB to share the data of AAQM stations of all nine non-attainment cities of last 5 years to PSCST so as to carry out trend analysis in coordination with PGI and present the same in the next meeting.</p>
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Agenda No.7.4 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 satisfactory.
CRD 2 (i)	Water sprinkling on identified roads	The progress was found satisfactory. It was further decided that Ludhiana, Jalandhar & Amritsar shall integrate their GPS / GIS based monitoring of water sprinklers at one portal with the help of PSCST. The movement of all such vehicle should be integrated at a single station for better monitoring. PSCST to take access from above ULBs.

CRD 2 (ii)	Procurement of water sprinklers	<p>The progress was found slow.</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>
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 further decided that Amritsar ULB shall integrate their GPS / GIS based monitoring for mechanical sweeping at one portal with the help of PSCST. The movement of all such vehicle should be integrated at a single station for better monitoring. PSCST to take access from above ULB.</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 satisfactory. It was directed:</p> <ul style="list-style-type: none"> i) PSCST to coordinate to Local Govt. (ULBs of Ludhiana, Jalandhar & Amritsar) for preparation of green mapping, monitoring progress of activity on GIS map etc. ii) Local Govt. to present the progress on GIS map in next meeting.
CRD 5	Greening of parks, open areas, community places, schools and housing societies	<p>The progress was found satisfactory. It was directed:</p> <ul style="list-style-type: none"> i) PSCST to coordinate to Local Govt. (ULBs of Ludhiana, Jalandhar & Amritsar) for preparation of green mapping, monitoring progress of activity on GIS map etc. ii) Local Govt. to present the progress on GIS map in 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. It was directed: <ul style="list-style-type: none"> i) Local Govt. (ULBs of Ludhiana, Jalandhar & Amritsar) to coordinate with PSCST and other expert agencies for GIS mapping of kaccha roads so that these roads can be identified through GIS mapping. ii) 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 the progress is extremely slow. It was directed: <ul style="list-style-type: none"> i) Local Govt. (ULBs of Ludhiana, Jalandhar & Amritsar) to coordinate with PSCST and other expert agencies for GIS mapping of Kaccha roads so that these roads can be identified through GIS mapping. ii) 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	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.

	parking lot site (Nos.)	
CVE 4(a-ii)	Creating parking by developing Multi storey parking lots (Nos.)	<p>It was noted that progress is extremely slow as DPRs prepared by Ludhiana and Khanna only . However, no progress has been made by other ULBs.</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>
CVE 4 (a-iii)	Creating parking for trucks/ commercial vehicles (Nos.)	<p>It was noted that progress is extremely slow as estimate prepared by Mandi Gobindgarh only. No progress has been made by Khanna 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>
CVE 4(b-i)	Creating parking infrastructure to prevent parking of vehicles in non-designated areas	<p>It was noted that the progress is extremely slow. 3no. "Roadside parking by yellow line" is earmarked by Jalandhar out of the total target of 21 roadside parking. However, no work has been started by other ULBs.</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>
CVE 4(b-ii)	Prevent parking of vehicles in non-designated areas by enforcement	<p>It was noted that the progress is extremely slow. 40 no. "No Parking" sign boards have been installed out of total target of 294.</p> <p>Department asked to expedite the progress to achieve the target as per the time line given in the action plans.</p>
CVE 6 (a)	Widening of roads and infrastructure for decongestion of roads	<p>It was noted that the progress is slow. 11 Km of road length has been widened by Khanna, Ludhiana and Patiala ULBs out of total target of 48km.</p> <p>Department was asked to expedite the progress to achieve the target as per the time line given in the action plans.</p>

CVE 6(b)	Road design improvement	It was noted that the progress is slow. Work is under progress for 2.7 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	It was noted that the progress is extremely slow. Work under progress for Jalandhar ULB 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 is under progress at Ludhiana ULB. 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 there is no immediate proposal to introduce CNG based city Bus Service. 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	It was noted that the progress is slow. 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	295 challans are issued out of 1422 inspection. Local Govt. was asked to identify technology based online solution to identify spots of burning of municipal solid wastes and work out criteria for imposing penalty by next meeting.
CCDA 1(a)	Enforcement of Construction & Demolition Waste Rules	554 challans are issued out of 3206 inspection. It was directed: i) To provide the list of major commercial Buildings under construction. ii) To identify technology based online solution to identify spots & work out criteria for imposing penalty for violating C&D rules by the next meeting.

CCDA 1 (b)	Development of Infrastructure of Construction & Demolition waste	It was noted that the progress is slow. 13 no. processing sites are notified out of target 25 no., for C&D waste disposal. Department was asked to expedite the progress to achieve the target as per the time line given in the action plans.
CCDA 2	Control measures for fugitive measures w.r.t Construction & Demolition Activities	It was noted that the progress is extremely slow. 27 challans are issued out of 245 inspection. Local Govt. was asked to identify technology based online solution to identify spots and work out criteria for imposing penalty by next meeting.
CCDA 3	Control measures for carrying the construction material enclosed/ covered vessels	Local Govt. was asked to work out criteria for imposing penalty by next meeting.

Agenda No.7.5 Review of progress w.r.t. activities pertaining to PWD

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	It was noted that the progress is satisfactory. 34 Km (60%) of road length completed out of total 56 Km.
CRD 7 (b-ii)	Existing roads	It was noted that the progress is slow. 39 Km (40%) completed out of total 97 Km.

	requiring recarpeting	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	It was noted that the progress is slow. 22 Km (38%) completed out of total 60 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	It was noted that the progress is extremely slow. 7.91 km (22%) 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. 7.6 Review of progress w.r.t activities pertaining to PUDA

Progress made by the Department was discussed as under:

Activity No.	Activity/ Decisions	Observations and Decisions
CRD 1 (iii)	Maintain pothole free roads /Patch work of roads (PUDA)	It was noted that the progress is Satisfactory. 21 Km (100%) work completed before target date.
CRD 7 (a-ii)	Kaccha/Brick Paved Roads to be made Pucca roads	It was noted that the progress is slow. 4.2 Km work completed 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	It was noted that the progress is satisfactory. 11.94 Km (99%) completed out of total 12 Km.
CRD 7 (c)	Pavement of road side using interlocking tiles	It was noted that the activity is non starter. 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	It was noted that the progress is extremely slow. 0.2 Km (1%) work completed 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	It was noted that the progress is extremely slow. Work of Missing Link Phase-III, (Malerkotla road to Dugri Road) 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. 7.7 Review of progress w.r.t. activities pertaining to Department of Transport

Progress submitted by the Department was discussed as under:

Activity No.	Activity/ Decisions	Observations and Decisions
CVE 1	Public awareness campaign	The progress was observed slow. Department asked to expedite organising public awareness camps in coordination with PGI. PGI to provide necessary training to transport department w.r.t vehicle emissions.
CVE 2	Remote sensor-based PUC	The progress was observed slow.

	system	Department informed that all pollution check centres will be connected to VAHAN 4.0 software within 3 months.
CVE 9	Phasing out commercial diesel vehicles more than 15 years old.	It was noted that proposal has been made by the department & sent to the Govt. for taking decision in the matter.
CVE 10	Promotion of E-vehicles	Deptt. Informed that Policy of E-vehicles is under preparation at Government level and will be notified within 2 months.
CVE 11	Introduction of CNG based autos/taxis.	Deptt. Informed that there is no immediate proposal to introduce CNG based autos/taxis. Department was asked to frame the policy for Introduction of CNG based autos/taxis for Amritsar, Ludhiana, Jalandhar cities.

Agenda No. 7.8 Review of progress w.r.t. activities pertaining to Traffic Police

Progress made by the Department was discussed as under:

Activity No.	Activity/ Decisions	Observations and Decisions
CVE 1	Public awareness campaign for control of vehicular emissions	It was noted that 1746 Public awareness camps organised upto August 2019, Department asked to conduct regular public awareness campaign
CVE 3	Extensive drive against polluting vehicles.	It was noted that 4844 challans issued against polluting vehicles Department asked to make regular inspections & challaning of violator.
CVE 4	Prevent parking of vehicles in non-designated areas	30432 challans issued to prevent parking of vehicles in non-designated area.

	by enforcement actions	Traffic police was directed to start challaning vehicles on basis of CCTV camera footage & report by next meeting.
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Agenda No. 7.9 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 the progress is satisfactory.
CRD 7	Existing roads requiring recarpeting	It was noted that the progress is extremely slow. 5.5 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 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 8.0 Review of progress w.r.t. activities pertaining to DIC

Progress made by the Department was discussed as under:

Activity No.	Activity/ Decisions	Observations and Decisions
CIE 2	Creation of Infrastructure for CNG Pipeline	It was noted that the progress is extremely slow. Department asked to expedite the progress and complete the activity as per the timeline given in the action plans.

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<p>Agenda No 8.1 Review of progress w.r.t activities pertaining to Department of Food & Civil Supplies</p>
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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	227 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 the progress is extremely slow. 5no. (23%) petrol pumps upgraded to CNG filling station out of target 21 no. Department asked to expedite the progress and complete the activity as per the timeline given in the action plans.

Meeting ended with Vote of thanks to the Chair.

Annexure-I

List of Officers who attended the meeting :

1.	Department of Environment	<ul style="list-style-type: none"> i) Sh. Rakesh Kumar Verma, IAS, PSSTE ii) Sh. Parveen Saluja, EE, iii) Sh. Abhishek Chauhan, SO
2.	Punjab State Council for Science & Technology	<ul style="list-style-type: none"> i) Sh. Pritpal Singh, Senior Engineer ii) Harpreet Kaur Sehgal, SRF
3.	Punjab Pollution Control Board	<ul style="list-style-type: none"> i) Sh. Harbir Singh, SEE, ii) Sh. Jatinder Soni, AEE iii) Sh. Janak Raj, ASO
4.	Department of Local Government	<ul style="list-style-type: none"> i) Dr. Sumit Mudh, PCS Joint Commissioner, Ludhiana ii) Sh. Ajay Kanwar, Engineer-in-chief iii) Sh. M.M. Sayal, SE, M.C, Patiala iv) Sh. Sandeep Singh, Xen, MC, Amritsar v) Sh. Amandeep, EE, MC, Amritsar vi) Sh. Kulwinder Singh, ME, MC, Khanna vii) Sh. Balvinder Singh SDO MC Ludhiana viii) Dr. Kanwar Ajay Singh MOH, MC, Amritsar ix) Sh. Manjinder Singh E.O., MC Nangal x) Sh. Charanjit Singh E.O. MC, Mandi Gobindgarh xi) Sh. Ranbir Singh E.O., MC, Khanna xii) Sh. Gurdarshan Singh, E.O, MC, DeraBassi xiii) Sh. Anil Mehta, E.O., MC, Dera Baba Nanak
5.	Department of PWD (B&R)	<ul style="list-style-type: none"> i) Sh. P.J Arora, SE ii) Sh. Samarpreet Singh, SDE
6.	Department of Industries and Commerce	<ul style="list-style-type: none"> i) Sh. S.K. Sharma, EE, PSIEC. ii) Sh. Gurbachan Singh, PSIEC iii) Sh. Vishav Bandhu, Deputy Director

7.	Department of Transport	i) Sh. Manjit Singh DSTC
8.	Department of Food & Civil Supplies, Punjab	i) Dr. Sanjeev Gupta, ii) Sh. Anil Kumar AFSSO
9.	Additional Director General Police (Traffic)	i) Sh. Manmeet Singh, SP (Traffic)
10.	Department of Housing & Urban Development Punjab	i) Sh. Balwinder Singh , SE
11	Department of Agriculture	i) Sh. Anil Sharma, Assistant Agriculture Engineer ii) Sh. Vikrant Saini, Assistant Agriculture Engineer
12.	Expert Members School of Public Health, PGIMER	i) Dr. Ravindra Khaiwal, Professor

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