

Proceedings of the 8th Meeting
of
Air Quality Monitoring Committee
under
Chairmanship of Principal Secretary, Science, Technology and Environment



28th November 2019

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

Minutes of 8th meeting of Air Quality Monitoring Committee (AQMC) held under the Chairmanship of Principal Secretary, Science, Technology & Environment (STE), Govt. of Punjab on 28.11.2019 at 11.00 AM in the Conference Room, O/o PSCST, Chandigarh to review Progress of Action Plans for Clean Air of Nine Non-Attainment Cities.

Agenda No. 8.0	Leave of Absence
-----------------------	-------------------------

The list of officers, who attended the meeting is attached at **Annexure-I**.

Agenda No.8.1:	Action Taken Report on the Minutes of the meeting held on 09.09.2019
-----------------------	---

Action taken on the proceedings of 7th meeting was noted by the Committee.

Agenda No.8.2:	Review of meetings held by District Committees for non-attainment cities
-----------------------	---

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 of Ludhiana to conduct regular District level meetings, to review the progress of various activity of Clean Air action plan.

PPCB was directed to ensure that Agenda being prepared by respective ROs for convening of District level meetings, should be in line with the Agenda being discussed in AQMC meeting at State level.

Agenda No. 8.3:	Review of progress w.r.t. activities pertaining to Punjab Pollution Control Board
------------------------	--

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 extremely slow & timeline has also expired. PPCB informed that they had already issued notices to the non compliant units for conversion upto 30.09.2019.

		<p>PPCB was directed to take action u/s 31-A of the Air Act 1981 against the defaulting units & expedite the progress of conversion to Side Suction Hood at Ludhiana.</p>
CIE -2 (i)	<p>Conversion of Industries from Coal to CNG/ PNG</p>	<p>The progress was found to be extremely slow at Mandi Gobindgarh and non-starter at Ludhiana, Khanna and Amritsar.</p> <p>PPCB informed that it has issued notice u/s 31-A of Air Act, 1981 to shift industries from coal to CNG/PNG wherever, pipe line has been laid. In other areas, progress of laying pipeline be monitored and notice be issued where progress is found slow.</p>
CIE-3	<p>Conversion of Natural Draft Brick Kilns to Induced Draft</p>	<p>The progress was found to be slow at Ludhiana and Amritsar. Moreover, recovery of Environmental Compensation (EC) from non compliant brick kilns is extremely slow.</p> <p>PPCB was directed to recover EC from brick kilns as per the Govt directions w.e.f 01.02.2019 and ensure that no conventional brick kiln shall operate without conversion after 30.09.2019.</p>
CIE-4	<p>Action against Non-Complying Industrial units</p>	<p>The disposal of cases was slow as action against 29 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 recovery of Environmental compensation and shall maintain separate account for EC recovered.</p>
CIE - 5	<p>Shifting of Industries from non – designated areas to Industrial Area</p>	<p>No Progress.</p> <p>NGT vide order dated 20.11.2019 in O.A. No. 681/2018, directed that concerned Town & Country planning deptt. may ensure the review of master plans of NACs in the light of studies (Source Apportionment & Carrying Capacity) within 6 months from the date of such studies being conducted by SPCB. Mechanism for shifting industrial units from residential areas may be evolved immediately.</p>

		<p>PPCB was directed to expedite the Source Apportionment & Carrying Capacity studies and work in coordination with Town & Country planning deptt. PPCB to submit the compliance of above order.</p>
CBGB-3	Control on burning of agriculture waste and crop residue	<p>PPCB was directed to develop end to end online monitoring system for the firing incidences reported by PRSC through which the nodal officers/field staff can update the action taken & report status online which shall be linked with a single portal. PPCB to provide the timeframe for above activity.</p>
COS-1	Dissemination of Air Quality Index	<p>The activity is non-starter. PPCB informed that as per CPCB criteria formulated on the basis of population 2011 census , minimum no. of manual/CAAQMS stations required in 25 cities of Punjab are following :</p> <p>Manual Stations – 60 no. CAAQMS – 32 no.</p> <p>Whereas, NGT vide order dated 20.11.2019 in O.A. No. 681/2018, directed SPCB to install minimum no. of CAAQMS/Manual stations within one year & submit quarterly progress report to CPCB 01.04.2020.</p> <p>PPCB to provide the progress/compliance report.</p>
COS-2 & 3	Establish an Air Quality Management Division at SPCB HQ and helpline in each city as well as SPCB HQ	<p>The activity is non-starter. PPCB informed that administrative approval has been done for setting up of air quality management division at HQ and office order indicating roles & responsibilities will be issued within weeks' time.</p> <p>Also, NGT vide order dated 20.11.2019 in O.A. No. 681/2018, directed SPCB to develop Public Grievance Redressal Portal for non attainment cities on the pattern of CPCB portal "Sameer" within 2 months. In default, SPCBs will be liable to pay compensation @ Rs.2.00 Lacs per month from 01.02.2019. Further, compliance may also be ensured for the remaining cities as well. In default, SPCBs will be liable to pay compensation @ Rs. 10 Lacs per month from 01.02.2020.</p>

		<p>PPCB asked to expedite the progress and provide the compliance report of above order.</p>
COS- 4	Monitoring of DG sets	<p>The disposal of cases was slow as action against 4 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>NGT order dated 20.11.2019 in O.A. No. 681/2018, directed SPCB that Source Apportionment and Carrying Capacity of the cities be completed within 3 months. For any default, compensation will be liable to be paid @ Rs.5.00 Lacs per month after 01.04.2020.</p> <p>PPCB directed to provide the progress /compliance report in the next meeting.</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 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>
	<p>Action Plan for Noise Pollution</p>	<p>Draft action plan for control of Noise Pollution has been prepared by DECC and circulated to PPCB & other stake holder deptts for feedback/suggestions.</p> <p>Whereas, NGT vide order dated 20.11.2019 in O.A. No. 681/2018, directed SPCB to comply with the directions issued to SPCB w.r.t identification of hot spots, noise mapping, installation of noise limiters on noise polluting existing devices etc and report be furnished to CPCB by 31.03.2019. In default, SPCBs will be liable to pay compensation @ Rs2.00 Lac per month.</p> <p>PPCB directed to provide the progress/compliance report in the next meeting.</p>

Agenda No.8.4 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> <p>i) PSCST to coordinate to Local Govt. (ULBs of Ludhiana, Jalandhar & Amritsar) for preparation of green</p>

		<p>mapping, monitoring progress of activity on GIS map etc.</p> <p>ii) Local Govt. to present the progress on GIS map in next meeting.</p>
CRD 5	Greening of parks, open areas, community places, schools and housing societies	<p>The progress was found satisfactory. It was directed:</p> <p>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.</p> <p>ii) Local Govt. to present the progress on GIS map in next meeting.</p>
CRD 6	Installation of Water fountains at major traffic intersections	<p>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.</p>
CRD 7 (a-i)	Kaccha/Brick Paved Roads to be made Pucca roads	<p>It was noted that the progress is slow. It was directed:</p> <p>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.</p> <p>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.</p>
CRD 7 (b-i)	Existing roads requiring recarpeting	<p>It was noted that the progress is slow. It was directed:</p> <p>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.</p> <p>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.</p>

CRD 7 (c-i)	Pavement of road side using interlocking tiles	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.
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. 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 prepared by Ludhiana only . 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	It was noted that the progress is slow. 12 no. "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. 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	<p>It was noted that the progress is slow. 99 no. "No Parking" sign boards have been installed out of total target of 309.</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. 14 Km of road length has been widened by Khanna, Ludhiana and Patiala ULBs out of total target of 34 km.</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	<p>It was noted that the progress is extremely slow. Work is under progress for 2.7 Km of road length for Ludhiana ULBs.</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 7	Installation of intelligent traffic systems	<p>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.</p>
CVE 8	Construction of expressways/ bypasses to avoid congestion	<p>Work is under progress at Ludhiana ULB.</p> <p>Department asked to expedite the progress to achieve the target as per the time line given in the action plans.</p>
CVE 11 (b)	Introduction of CNG based city Bus Service	<p>Deptt. Informed that there is no immediate proposal to introduce CNG based city Bus Service.</p> <p>Department was asked to frame the policy for Introduction of CNG based city Bus Service for Amritsar, Ludhiana, Jalandhar.</p>
CBGB 1	Control on open burning of bio-mass in City	<p>It was noted that the progress is extremely slow.</p> <p>Department was asked to expedite the progress to achieve the target as per the time line given in the action plans.</p>
CBGB 2	Control on burning of	<p>18% of sites found burning solid waste out of total inspected.</p>

	municipal solid wastes	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	26 % of sites inspected were found non compliant. It was directed: <ul style="list-style-type: none"> 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. 12 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 slow. 46 % of sites inspected were found non compliant. 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 covered vessels	Local Govt. was asked to work out criteria for imposing penalty by next meeting.

Agenda No.8.5 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. 39 Km (71%) of road length completed out of total 56 Km.
CRD 7 (b-ii)	Existing roads requiring recarpeting	It was noted that the progress is slow. 55 Km (57%) 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	It was noted that the progress is slow. 33 Km (56%) completed out of total 59 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. 11 km (30%) completed out of total 36 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. 8.6 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. 6 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. 1.54 Km (6%) 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. 8.7 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	The progress was observed Satisfactory.

	campaign	
CVE 2	Remote sensor-based PUC system	The progress was observed slow. Department informed that 96 pollution check centres have been connected to VAHAN 4.0 software.
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 Draft Policy of E-vehicles has been prepared and will be notified soon.
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. 8.8	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 2011 Public awareness camps organised upto October 2019, Department asked to conduct regular public awareness campaign
CVE 3	Extensive drive against polluting vehicles.	It was noted that 5661 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	36,605 challans issued to prevent parking of vehicles in non-designated area. Traffic police was directed to start challaning vehicles on basis of CCTV camera footage & report by next meeting.
-------	--	---

Agenda No. 8.9 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 slow. Only 2564 trees have been planted.
CRD 7	Existing roads requiring recarpeting	It was noted that the progress is extremely slow. 6 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 informed that the activity has been shifted to PPCB & Deptt. of Town & Country Planning (DTPC) in an internal meeting of PSIEC held on 26.06.2019 under the chairmanship of AMD,PSIEC.

Agenda No 8.10 Review of progress w.r.t. activities pertaining to Deptt. of Town & Country Planning

Progress made by the Department was discussed as under:

Activity No.	Activity/ Decisions	Observations and Decisions

<p>CIE 5</p>	<p>Shifting of industries from non-designated areas to industrial Area</p>	<p>No Progress. NGT vide order OA No. 681/2018 dated 06.08.2019 & 20.11.2019 directed Deptt of Town & Country Planning (DTCP) to ensure review of master plans specially for non- attainment cities to be consistent with carrying capacity & source apportionment study reports being carried within 6 months & furnish compliance report to Tribunal & CPCB.</p> <p>Further, PSIEC informed that the activity has been shifted to PPCB & Deptt. of Town & Country Planning (DTCP) in an internal meeting of PSIEC held on 26.06.2019 under the chairmanship of AMD, PSIEC and requested PSSTE to issue following directions :</p> <ul style="list-style-type: none"> a) PPCB to prepare list of industries & provide it to DTCP. b) DTCP would earmark required area in industrial zones as per distt. Wise master plan. c) For the remaining industries, PSIEC will undertake development of new focal points in earmarked area done by DTCP. d) Performa to be prepared jointly by PPCB and respective GMs of DIC in 9 non –attainment cities. <p>Town and Country planning deptt. directed to comply the above orders of NGT/PSIEC in coordination with PPCB & DIC and submit the action taken report to DECC before next meeting.</p>
--------------	--	---

Agenda No 8.11 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.

Agenda No 8.12 Review of progress w.r.t activities pertaining to Department of Food & Civil Supplies

Progress made by the Department was discussed as under:

Activity No.	Activity/ Decisions	Observations and Decisions
CVE 5	Check fuel adulteration	831 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 slow. 6 no. (25%) petrol pumps upgraded to CNG filling station out of target 24 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	i) Sh. Rakesh Kumar Verma, IAS, PSSTE ii) Sh. Parveen Saluja, EE, iii) Sh. Abhishek Chauhan, SO iv) Sh. Pardeep Garg, JD
2.	Punjab State Council for Science & Technology	i) Sh. Pritpal Singh, Senior Engineer ii) Smt. Jatinder Kaur Arora,
3.	Punjab Pollution Control Board	i) Sh. GS Manjithia, CEE ii) Sh. Jatinder Soni, AEE iii) Sh. Janak Raj, ASO
4.	Department of Local Government	i) Sh. Ajay Kanwar, Engineer-in-chief ii) Sh. Sandeep Singh, Xen, MC, Amritsar iii) Dr. Kanwar Ajay Singh MOH, MC, Amritsar Sh. Vijay Mahajan, M.C, Nangal iv) Sh. Rampal, A.C.E., MC Jalander
5.	Department of PWD (B&R)	i) Sh. Bhupinder Singh, EE ii) Sh. Samarpreet Singh, SDE
6.	Department of Industries and Commerce	i) Sh. Ankur Goyal, Asst. Director
7.	Department of Transport	i) Sh. Manjit Singh, DSTC
8.	Department of Food & Civil Supplies, Punjab	i) Sh. Anil Dugga, Superintend
9.	Additional Director General Police (Traffic)	i) Sh. Tejinder Singh
10.	Department of PUDA	i) Sh. Jatinderpal Singh, SDE
11.	Department of Agriculture	i) Sh. Manmohan Kalia, Director
14.	Department of PSIEC	i) Sh. S.K Sharma, XEN
15.	Department of Town & Country Planning	i) Sh. M.S. Mann, DTCP
