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F.NO. A-110012/08/2020/CAQM-RD-131
Commission for Air Quality Management
in NCR and Adjoining Areas

17th Floor, Jawahar Vyapar Bhawan (STC Building),
Tolstoy Marg, New Delhi-110 001

Dated: 04/04/2022

Subject: **Minutes of the Meeting held on 24.03.2022 on "Review of functioning of Dust Control and Management Cell"- reg.**

The minutes of the meeting held on 24th March, 2022 on the above noted subject, is enclosed for information and necessary action.

Encl.: As above


(N.S Bisht)

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SSO (Env)

To

1. Ms. Alka Upadhyaya, Chairperson, NHAI
2. Shri S.K. Jha, CGM, NHAI (Nodal Officer)
3. Shri Shailendra Sharma, Director General, CPWD, Nirman Bhawan
4. Shri Satish Agarwal, SE, CPWD (Nodal Officer)
5. Shri M. K. Gupta, Vice Chairman, Delhi Development Authority
6. Shri Gajendra Kumar, CE (North Zone), DDA (Nodal Officer)
7. Shri Daljeet Singh, Director, Works, DMRC Ltd.
8. Shri Vikash Singhal, Sr. DGM/Env, DMRC (Nodal Officer)
9. Shri Sanjeev Khirwar, Principal Secretary, Environment and Forest, GNCTD
10. Shri Dharmendra, Chairman, New Delhi Municipal Council
11. Shri C. L. Meena, Executive Engineer, NDMC (Nodal Officer)
12. Shri Gyanesh Bharti, Commissioner, SDMC
13. Shri Maneesh Rastogi, Chief Engineer, SDMC (Nodal Officer)
14. Shri Sanjay Goel, Commissioner, North DMC
15. Shri K. P. Singh, Engineering-in-chief, North DMC (Nodal Officer)
16. Shri Vikas Anand, Commissioner, EDMC
17. Shri Sundeep Kumar Sharma, CE, EDMC (Nodal Officer)
18. Shri Manoj Kumar Mahobia, Engineer-in-Chief, PWD
19. Shri Neeraj Kumar Meena, SE, PWD (Nodal Officer)



20. Shri Nikhil Kumar, Secretary, Irrigation and Flood Control Department, GNCTD
21. Shri O. P. Shrivastava, CE (Zone-1), I&FCD (Nodal Officer)
22. Shri Udit Prakash Rai, Chief Executive Officer, Delhi Jal Board.
23. Shri Shiv Kumar Bhardwaj, CE (East), DJB (Nodal Officer)
24. Shri Vivek Pandey, Managing Director, DSIIDC Limited
25. Shri S.K. Upadhyaya, SE-(IA-I), DSIIDC (Nodal Officer)
26. Shri Prashant Gargava, Member Secretary, CPCB
27. Dr. K. S. Jayachandran, Special Secretary, Dept. of Environment, GNCTD & Member Secretary, DPCC
28. Shri S.V.R. Chandra Sekhar, CEO, DCB
29. Shri Rakesh Rana, AE, DCB (Nodal Officer)

COMMISSION FOR AIR QUALITY MANAGEMENT
IN NATIONAL CAPITAL REGION AND ADJOINING AREAS
17th Floor, Jawahar Vyapar Bhawan (STC Building)
New Delhi-110001

F. No. A-110012/08/2020/CAQM-RD

Date: 4th April, 2022

MINUTES OF THE MEETING HELD ON 24/03/2022

Subject: Minutes of the Meeting held on 24th March, 2022 regarding review of action taken on Dust Control and Management in NCR and Adjoining Areas by the road owning/maintaining/construction agencies in NCT of Delhi.

A meeting was held on 24th March, 2022, under the Chairmanship of Dr. M. M. Kutty, Chairperson of the Commission, regarding review of action taken on Dust control measures taken by the road owning/maintaining/construction agencies in NCT of Delhi. The list of participants including the nominated Nodal Officers of the DMCs is at **Annexure.**

2. The Chairperson welcomed the participants and conveyed to them that the average concentration of PM₁₀ and PM_{2.5} in Delhi is on higher side compared to the National Ambient Air Quality Standards (NAAQS) and highlighted that the road dust is one of the major contributors to PM₁₀ and PM_{2.5}. Therefore, there is an urgent need to take effective preventive and control measures for the abatement of pollution from road dust by all the stakeholder departments and agencies.

3. The Member Secretary, CAQM stated that the Commission vide Direction dated 11.06.2021 had directed all the road owning/maintenance/construction agencies in Delhi and NCR to set up Dust Control and Management Cell (DCMCs) in their respective jurisdiction and directions were also issued to regularly monitor the progress of dust control measures. Major parameters identified for effective road dust management and monitoring by the Cell include:

- i. Optimum utilization of road sweeping machines.
- ii. Scientific disposal of dust collected in designated sites / landfills.
- iii. Sprinkling of water on roads / ROW to suppress dust especially after mechanized sweeping.
- iv. Augmentation of capacity of mechanised sweeping and sprinkling.
- v. Maintaining of roads properly and regularly to keep the roads pot hole free.
- vi. Laying/repairing of roads in a manner which fully supports mechanised sweeping.
- vii. Conversion of non-paved road sides into paved one or into green area.
- viii. Greening of central verges.
- ix. Prefer cemented roads over the bituminous roads especially in Industrial Areas.
- x. Identification of hot spots of road dust and implement target specific road dust control measures.

4. Pursuant to the Directions as above, 13 identified Departments / Agencies have set up Dust Control & Management Cells in NCT of Delhi including CPWD.

5. The DPCC made a detailed presentation on the status of progress and action taken by the various departments and agencies on the measures taken to abate contributing pollution from road dust. It was informed that out of the total road length of approx. 18540 km in Delhi, 5085 km has been identified for mechanical sweeping. Ideally, for effective use, mechanical road sweeping machines should be deployed at an average speed of about 5 km per hour and for an 8-hour shift, one machine will be able to cover about 40 km. While working out the additional requirement of mechanical road sweeping machines, this aspect must be kept in view. Agencies were advised to enhance the length mechanical sweeping of roads and also lay and repair roads in a manner which fully supports mechanized sweeping.

6. Agency wise availability of MRSMS against the actual requirement was presented. It was informed that SDMC, EDMC and NDMC are in the process of procuring 12, 10 & 6 numbers of Mechanical Road Sweeping Machines and the process of procurement will be completed well before October, in the current year. It was informed that for effective cleaning of narrow width roads, smaller capacity/sized machines are suitable. It was informed that Municipal Corporations are also in the process of procurement of smaller size machines suitable for the narrow width roads.

7. Agency wise availability of water sprinkling machines against the actual requirement was also discussed. A big gap was reported in the availability *vis-a-vis* the required numbers of machinery (Mechanical Road Sweeping Machines (MRSM) and Water Sprinkling Machines) towards dust control. It was informed that SDMC and EDMC are also going to procure additional 16 and 10 Water sprinkling Machines respectively in the current year. It was emphasised that the gap needs to be filled by procuring more MRSM and Sprinklers.

8. Presently only water sprinkling is being carried out in some roads / open area by various agencies. It was deliberated that the effect of water sprinkling lasts only for short duration and the fine dust gets re-suspended in the air. The need to use dust suppressant was discussed and it was informed that there is no specific study to confirm the efficacy and the kind of dust suppressants which can be used effectively. Dust suppressant chemicals / agents can be used for effective dust control on roads, open areas and also in the construction/ demolition project sites. It was mentioned that NHAI is using dust suppressants and NHAI was advised to carry out a study on efficacy of different types of dust-suppressants and make available the results of the study to the Commission.

9. A reporting proforma on dust mitigation measures has already been circulated for submission of periodic reports. It was informed that a revised monthly reporting format shall be shared shortly by the Commission with all the agencies concerned, to further improve reporting and monitoring. It was advised to ensure strict enforcement and implementation of control measures for road dust management along with the timely submission of monthly reports starting from April, 2022. The first monthly report of the period 1st April, 2022-30th April, 2022 to be submitted by 10th May, 2022.

10. After detailed deliberation, it was decided that various Departments / Agencies / Bodies concerned shall: -

- (i) Finalize targets for conversion of road sides to either paved or to green areas and ensure its implementation to achieve the targets.
- (ii) Finalize targets for greening of central verges and ensure its implementation to achieve the targets.
- (iii) Map regularly the roads under their respective jurisdiction for potholes, bad patches etc. and ensure their timely repair and maintenance.

- (iv) Scientifically dispose dust at the designated sites.
 - (v) Regularly monitor and diligently enforce the dust mitigation measures especially those listed in para - 3 above.
 - (vi) Submit the outcome of the study on the efficacy of dust suppressants by NHAI to the Commission by the end of May, 2022.
11. The Department of Environment, GNCTD to coordinate with all the agencies concerned and submit a consolidated report of all the DCMCs to the Commission on a regular basis.

List of Participants
Meeting regarding review of action taken on dust control in NCR and
Adjoining Areas by the Road Owning / Maintenance / Construction
Agencies

List of Attendees

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CAQM

1. Dr. M. M. Kutty, Chairperson, CAQM
2. Dr. Narmada Prasad Shukla, Member-Technical, CAQM
3. Shri Arvind Nautiyal, Member-Secretary, CAQM
4. Dr. Charu Tyagi, Senior Consultant, CAQM
5. Shri D. C. Jakhwal, Senior Consultant, CAQM

Government of National Capital Territory of Delhi

1. Shri Dharmendra, Chairman, New Delhi Municipal Council
2. Shri Sanjeev Khirwar, Principal Secretary, Environment and Forest, GNCTD
3. Shri Gyanesh Bharti, Commissioner, SDMC
4. Shri. Vikas Anand, Commissioner, EDMC
5. Shri Sanjay Goel, Commissioner, North DMC
6. Dr. K.S. Jaychandran, Special Secretary, Dept. of Env, GNCTD and Member Secretary, DPCC
7. Shri S. A. Verma, Executive Director, DMRC
8. Shri Vikash Singhal, Sr. DGM/Env, DMRC
9. Shri Aman Gupta, Executive Director, DSIIDC
10. Shri. S.K. Upadhyaya, SE (Civil), DSIIDC
11. Shri Sunil Tyagi, Engineer in Chief, DSIIDC
12. Shri Gopal Varshney, Chief Engineer, CPWD
13. Shri S. K. Agarwal, SE, CPWD
14. Shri Rajiv Sharma, Executive Engineer, CPWD
15. Shri Shieney, Executive Engineer, CPWD
16. Shri Maneesh Rastogi, Chief Engineer, SDMC
17. Shri Dinesh Yadav, Chief Engineer, SDMC
18. Shri K. P. Singh, Engineering-in-chief, North DMC

19. Shri Anil Bholra, Deputy Secretary, PWD,
20. Shri Ashok Kumar Rajdev, Principal Chief Engineer, PWD
21. Shri Satbir Singh, Deputy Director, Horticulture, PWD
22. Shri Neeraj Meena, Superintending Engineer, PWD.
23. Shri O.P. Srivastava, CE, I&FC, GNCTD
24. Shri Ashok Kumar, EE, I&FC, GNCTD
25. Shri Manish Agarwal, EE, I&FC, GNCTD
26. Shri S. K. Bhardwaj, Principal Chief Engineer, DJB
27. Shri Vijay Sagar, Executive Engineer, DJB
28. Shri Bijender Kumar, Deputy SE, DJB
29. Shri Sanjay Sondhi, SDM, Department of Revenue, GNCTD
30. Shri Dilip Ramnani, Engineer in Chief, EDMC
31. Shri Sharandeep Singh, Scientist D, CPCB
32. Shri Sachin Kumar, JE, DCB
33. Shri Aman Rohilla, Deputy General Manager, NHAI
34. Shri Gaurav Rohira, Deputy Manager, NHAI
