



SUB-COMMITTEE ON GRADED RESPONSE ACTION PLAN

A-19014/45/CAQM-GRAP/2020-21

November 12, 2021

ORDER

Sub.: Implementation of Graded Response Action Plan (GRAP) in Delhi-NCR- steps to be taken

This is in continuation to the Order No. A-19014/45/CAQM-GRAP/2020-21 of the Sub-committee, dated November 08, 2021.

The Sub-committee convened a meeting on November 12, 2021. Air quality status was reviewed; AQI was in 'Severe' category and exceeded the threshold limit of PM₁₀ (500µg/m³) and PM_{2.5} (300µg/m³) in Delhi-NCR on November 12, 2021 at 03.00 hours and 01.00 hours, respectively. It was also noted that meteorological conditions will be highly unfavorable for dispersion of pollutants till November 18, 2021 in view of low winds with calm conditions during the night.

Therefore, concerned States and Implementing Agencies must be in complete readiness for implementation of measures under 'Emergency' category as per GRAP. In addition, following should be implemented with immediate effect in Delhi-NCR-

- 1) All actions under 'Severe' category as per Order dated November 08, 2021 to be continued stringently with more rigour (copy enclosed for ready reference).
- 2) Government and private offices and other establishments are advised to reduce vehicle usage by at least 30% (by working from home, car-pooling, and optimizing their field activities, etc.).
- 3) People are advised to limit outdoor activities and minimize their exposure.
- 4) Implementing agencies, at appropriate level, must closely monitor actions taken and submit daily report to concerned SPCBs /PCC, which will review and further submit reports to CAQM and CPCB.

(Prashant Gargava)

Chairperson of Sub-committee
and MS, CPCB

To:

1. **Chief Secretary**
Government of NCT Delhi
Delhi Secretariat, IP Estate,
New Delhi – 110002
2. **Chief Secretary**
Government of Haryana
Haryana Civil Secretariat, Capitol Complex, Near Punjab Vidhan Sabha,
Sector 1, Chandigarh – 160001
3. **Chief Secretary**
Government of Uttar Pradesh
101, Lok Bhawan, U.P. Civil Secretariat Vidhan Sabha Marg,
Lucknow – 226001
4. **Chief Secretary**
Government of Rajasthan
Tilak Marg Secretariat, Jaipur,
Rajasthan- 302005
5. **The Member Secretary**
Delhi Pollution Control Committee
5th and 6th Floor, ISBT Building
Kashmere Gate, Delhi – 110 006
6. **The Member Secretary**
U.P. Pollution Control Board
3rd Floor, PICUP Bhawan, Vibhuti Khand, Gomti Nagar
Lucknow - 226 020
7. **The Member Secretary**
Haryana State Pollution Control Board
C-11, Sector - 6, Panchkula
Haryana - 134109
8. **The Member Secretary**
Rajasthan State Pollution Control Board
A-4, Jalane Dungri Institutional Area
Jaipur - 302 004
9. **The Commissioner**
North Delhi Municipal Corporation
5th floor, Civic Centre, New Delhi-110002
10. **The Commissioner**
South Delhi Municipal Corporation
9th floor, Civic Centre, New Delhi-110002
11. **The Commissioner**
East Municipal Corporation of Delhi
419, 1st floor, Udyog Sadan, Patparganj Industrial Area,
Patparganj, New Delhi, Delhi 110092

- 12. The Commissioner**
New Delhi Municipal Council
NDMC Head Office, Palika Kendra Parliament Street
New Delhi-110001
- 13. The Chief Executive Officer**
Office of Cantonment Board
Sadar Bazar, Delhi Cantt- 110010
- 14. The Secretary-cum-Commissioner**
Transport Department, Delhi
5/9, Rajpur Road, Civil Lines,
Delhi - 110054, Below Hill Road
- 15. The Chairman**
National Highways Authority of India
G - 5 & 6, Sector-10, Dwarka
New Delhi - 110075
- 16. The Managing Director**
Delhi Metro Rail Corporation Ltd
Metro Bhawan Fire Brigade Lane
Barakhamba road, New delhi-110001
- 17. The Special Commissioner of Police**
Delhi Traffic Police Headquarters
Dev Prakash Shastri Marg
Todapur, near Pusa, New Delhi- 110012
- 18. The Director General**
The Central Public Works Department
A-Wing, Room No.- 101
Nirman Bhawan, New Delhi-110011
- 19. The Transport Commissioner**
Transport Department, Govt. of Uttar Pradesh
Office of The Transport Commissioner,
HQ, Tehri Kothi, MG Road, Lucknow, Uttar Pradesh - 226 001
- 20. The Transport Commissioner and Secretary**
Rajasthan Government Transport Office
NH-65, Nagaur Road, Nagaur,
Rajasthan-341001
- 21. The Transport Commissioner**
Transport Department, Haryana
30 Bays building, 2nd Floor, Sector 17C,
Chandigarh -160017, Haryana
- 22. The Commissioner**
Ghaziabad Municipal Corporation
Navyug Market, Opp. Old Bus Stand
Ghaziabad – 201001

- 23. The Commissioner**
Municipal Corporation Gurugram
Plot No. C-1, Info City, Sector 34, Near Hero Honda Chowk
Gurugram, Haryana-122001
- 24. The Commissioner**
Municipal Corporation, Faridabad
Near B.K. Chowk, Faridabad
- 25. The Commissioner**
Municipal Corporation, Sonapat
5, Railway Quarters, M.C.Colony, Sonipat, Haryana 131001
Near Railway Station, Railway Road Sonapat
- 26. The Municipal Commissioner**
Meerut Municipal Corporation
Near Ghanta Ghar, Kaiser Ganj road,
Meerut - 250002 (U.P.)
- 27. The Executive Officer**
Baghpat Nagar Palika Parishad
Court Road Nagar Palika Parishad
Baghpat - 250609
- 28. The District Magistrate**
Nagar Palika Parishad, Hapur
Lothi Gate Nagar, Atarpura Chopla, Hapur,
Uttar Pradesh 245101
- 29. The District Magistrate**
Nagar Palika Parishad
Mill Road, Shamli,
Uttar Pradesh - 247776
- 30. The Executive Officer**
Nagar Palika Parishad, Muzaffarnagar
Town Hall Near Janshi Rani Park
Muzaffarnagar- 251001
- 31. The Commissioner**
Municipal Corporation, Karnal
Shakti Colony, Karnal,
Haryana 132001
- 32. The Deputy Commissioner**
Municipal Corporation, Panipat
Palika Bazar Parking, Old Housing Board Colony,
Panipat, Haryana 132103
- 33. The Joint Commissioner**
Municipal Corporation Rohtak
Church Road, Near Ambedkar Chowk
Mahavir Colony, Company Bagh, Rohtak, Haryana 124001

- 34. The Deputy Commissioner**
Bhiwani Municipal Committee
Near Railway Station, Krishna Colony, Bhiwani,
Haryana 127021
- 35. The Executive Officer**
Municipal Council, Rewari
Bharawas Rd, Near Agarsen Chowk, Bhajan Ka Bagh,
Raam Bagh Mahalla, Rewari, Haryana
- 36. The Deputy Commissioner**
Municipal Committee, Mahendragarh
Near Ambedkar Chowk, Mahendragarh,
Haryana - 123029
- 37. The Deputy Commissioner**
Municipal Council, Palwal
Second Floor, Mini Secretariat, Palwal
- 38. The Deputy Commissioner**
Municipal Council, Nuh
Near Sabzi Mandi, Civil Lines, Nuh,
Haryana 122107
- 39. The Deputy Commissioner**
Municipal Committee, Jhajjar
Near Old Tehsil (near Women police station), Jhajjar,
Haryana
- 40. The Deputy Commissioner**
Nagar Parishad, Alwar
Church Rd, Kabir Colony, Alwar,
Rajasthan 301001
- 41. The Deputy Commissioner**
Municipal Corporation, Bharatpur
Mathura Gate, Tara Mahendra Colony,
Bharatpur, Rajasthan 321001
- 42. Deputy Commissioner**
Traffic Police, Gurugram
3501, Block A, Sushant Lok Phase I, Sector 28,
Gurugram, Haryana 122022
- 43. Executive Director**
Mahanagar Telephone Nigam Limited
5th Floor, Mahanagar Doorsanchar Sadan,
9, CGO Complex, Lodhi Road, New Delhi 110003
- 44. The Chairman**
Noida Authority
Noida Authority, Administrative Complex, B Block, D Block,
Sector 6, Noida, Uttar Pradesh 201301

- 45. The Chairman cum Managing Director**
NBCC India Limited
NBCC Bhawan, Lodhi Road
New Delhi - 110 003, India
- 46. The Vice-Chairman**
Delhi Development Authority
D Block Vikas Sadan, INA
New Delhi-110023
- 47. The Managing Director**
Delhi State Industrial and Infrastructure Development Corporation Ltd.
Head Quarter, N-36, Bombay Life Building,
Connaught Circus, New Delhi – 110001
- 48. The Principal Secretary**
Public Works Department
12th Floor, MSO Building,
P. Estate, New Delhi – 110002
- 49. The Chief Executive Officer**
Delhi Jal Board
Varunalaya Complex, Staff Colony,
Block E, Jhandewalan Extension, Jhandewalan, New Delhi – 110005
- 50. The Secretary**
Irrigation and Flood Control Department
Delhi Government, Varunalaya Building,
Phase-II, Karol Bagh, Delhi – 110005
- 51. The Commissioner**
Delhi Police Headquarters
MSO Building, Indraprashta Marg, IP Estate,
Delhi 110095
- 52. The Chief Executive Officer**
UPSIDC
UPSIDC Complex, A-1/4 Lakhanpur
Kanpur-208024
- 53. The Vice Chairman**
Ghaziabad Development Authority
Vikas Path, Near Old Bus Stand,
Ghaziabad, Uttar Pradesh 201001
- 54. The Chairman**
U.P. Housing and Development Board
U.P. Awas Evam Vikas Parishad, 104 Mahatma Gandhi Marg, Sarva Palli road,
Lucknow, Uttar Pradesh- 226001
- 55. The Managing Director**
National Capital Region Transport Corporation
7/6, AMDA building, Siri Fort Institutional Area,
August Kranti Marg, New Delhi - 110049

56. The Executive Officer

Nagar Palika Parishad Loni

Khanna Nagar, Loni Dehat,

Uttar Pradesh-201102

57. The Chairman

Greater Noida Industrial Development Authority

Plot No. 1, Knowledge Park 4,

Greater Noida, Gautam Budh Nagar; Uttar Pradesh - 201308

58. The Chief Executive Officer

Gurugram Metropolitan Development Authority

Plot No. 3, Sector 44, Near HUDA City Centre Metro Station

Gurugram, Haryana- 122003

59. The Chief Administrator

Haryana Shehri Vikas Pradhikaran

HSVP Office Complex, C - 3, Sector 6, Panchkula

60. The Managing Director

Haryana State Industrial & Infrastructure Development Corporation Limited

Plot No: C-13-14, Sector 6, Panchkula,

Haryana-134109

Copy to:

1. Chairman

Commission for Air Quality Management in NCR and Adjoining Areas

17th floor, Jawahar Vyapar Bhawan (STC Bldg.),

Tolstoy Marg,

New Delhi -110001

2. Member Secretary

Commission for Air Quality Management in NCR and Adjoining Areas

17th floor, Jawahar Vyapar Bhawan (STC Bldg.),

Tolstoy Marg,

New Delhi -110001

3. PS to CCB


(Prashant Gargava)



SUB-COMMITTEE ON GRADED RESPONSE ACTION PLAN

A-19014/45/CAQM-GRAP/2020-21

November 08, 2021

ORDER

Sub.: Implementation of Graded Response Action Plan in Delhi-NCR- steps to be taken

This is in continuation to the Order No. A-19014/45/CAQM-GRAP/2020-21 of the Sub-committee, dated October 28, 2021. The Sub-committee convened a meeting on November 08, 2021 and reviewed air quality status as well as meteorological and air pollution forecast. As per IMD's forecast, winds are expected to be North Westerly for the next 5 days which may possibly lead to high contribution of stubble burning. In addition, unfavorable meteorology may cause air quality to fluctuate between 'Severe' and higher end of 'Very Poor' category in the coming days.

Based on the decisions made by the Sub-committee, following actions are to be strictly enforced by concerned agencies:

1. Actions under 'Severe' category, in addition to steps listed under 'Very Poor' and 'Poor' to 'Moderate' AQI categories (enclosed for ready reference) should be implemented with immediate effect in Delhi-NCR-
 - a. Increase frequency of mechanized cleaning of road and sprinkling of water on roads. Identify road stretches with high dust generation.
 - b. Ensure that all brick kilns remain closed in Delhi-NCR as per the directions of Hon'ble NGT.
 - c. Ensure closure of all Hot Mix plants and Stone Crushers in Delhi-NCR.
 - d. Maximize generation of power from existing natural gas based plants to reduce operation of coal based power plants in the NCR (Badarpur power plant already shut down)
 - e. Intensify public transport services. Introduce differential rates to encourage off-peak travel.
2. States to disseminate information about air pollution levels and for creating awareness among citizens regarding steps to minimize air pollution.
3. Implementing agencies, at appropriate level, must closely monitor actions taken and submit daily report to concerned SPCBs /PCC, which will review and further submit reports to CAQM and CPCB.

(Prashant Gargava)

Chairperson of Sub-committee
and MS, CPCB



SUB-COMMITTEE ON GRADED RESPONSE ACTION PLAN

A-19014/45/CAQM-GRAP/2020-21

October 28, 2021

ORDER

Sub.: Implementation of Graded Response Action Plan in Delhi-NCR- steps to be taken

This is in continuation to the Order No. A-19014/45/CAQM-GRAP/2020-21 of the Sub-committee dated October 18, 2021. The Sub-committee convened a meeting on October 28, 2021 and reviewed air quality status as well as meteorological and air pollution forecast, made available by IMD. It was noted that winds are North-Westerly until the morning of November 01, 2021. Further minimum temperature is likely to drop to 14-15°C with increased moisture, which is unfavorable for dispersion of pollutants. It is likely that air quality may fall in 'Very Poor' AQI category.

Based on the decisions made by the Sub-committee, the following actions are to be strictly enforced by concerned agencies:

1. Following actions under 'Very Poor' category, in addition to steps listed under 'Poor' to 'Moderate' AQI category should be implemented with immediate effect in Delhi-NCR:
 - a. Mechanical/vacuum-based sweeping of roads to be carried out daily.
 - b. Ensure water sprinkling along with use of dust suppressants (at least every alternate day) on roads to arrest road dust especially at hotspots, heavy traffic corridors, vulnerable areas (before peak hours) and proper disposal of dust collected in designated sites/landfills.
 - c. Regular inspection for strict enforcement of dust control measures must be ensured at construction sites.
 - d. Ensure uninterrupted power supply to discourage the use of Generator sets.
 - e. Stop use of diesel generator sets [except for emergency purposes (Annexure I)]
 - f. Enhance parking fee by 3-4 times

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032

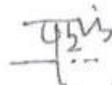
'Parivesh Bhawan', East Arjun Nagar, Delhi - 110032

दूरभाष/Tel. : 43102030, फ़ैक्स/Fax : 22305793, 22307078, 22307079, 22301932, 22304948

ई-मेल/e-mail : cpcb@nic.in वेबसाइट/Website : www.cpcb.nic.in

- g. Increase bus and metro services by augmenting contract buses and increasing frequency of service
 - h. Stop use of coal/firewood in hotels and open eateries
2. Citizens to take actions to prevent air pollution, such as:
- a. Residential Welfare Associations and individual house owners to provide electric heaters during winter to security staff to avoid open burning by them.
 - b. Keeping PUC certificates up to date.
 - c. Keeping engines of cars/ bikes/ scooters properly tuned.
 - d. Maintaining proper air pressure in tires of cars/ bikes/ scooters
 - e. Adherence to lane driving
 - f. Optimize use of private vehicles
 - g. Not disposing waste /garbage in the open spaces
 - h. Avoid dust generating construction activities during months of October to January, if possible.
 - i. Reporting air pollution activities through SAMEER App, social media platforms and other public grievance portals
3. States to disseminate information about air pollution levels and for creating awareness among citizens regarding steps to minimize air pollution.

All the concerned agencies must take steps as mentioned above and submit action taken report to the Member Secretary, CAQM.



(Prashant Gargava)
Chairperson of Sub-committee
and MS, CPCB

Dr. Prashant Gargava
Member Secretary
डॉ. प्रशांत गार्गव
सदस्य सचिव



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE GOVT. OF INDIA

A-19014/45/CAQM-GRAP/2020-21

October 18, 2021

ORDER

Sub.: Implementation of Graded Response Action Plan in Delhi-NCR- steps to be taken

The Commission for Air Quality Management in NCR and Adjoining Areas, constituted a Sub-committee for operationalization of Graded Response Action Plan (GRAP) and issuing necessary orders to the effect, vide order dated October 14, 2021 (Copy enclosed for ready reference).

The Sub-committee held two meetings on October 12 & 18, 2021 and reviewed air quality status as well as meteorological and air pollution forecast, made available by IMD. It was noted that air quality was in the 'Satisfactory' AQI category. North-Easterly winds with speed of 10-12 Km/hr will prevail till October 20, 2021 thereafter, winds will become North-Westerly with speed of 8-10 Km/hr. In the period between 21st to 24th October, air quality is likely to fluctuate between 'Moderate' to 'Poor' AQI categories.

Based on the decisions made by the Sub-committee, the following actions are to be implemented by concerned agencies with immediate effect:

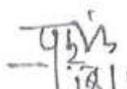
1. Actions under 'Poor' to 'Moderate' category-
 - a) Stringently enforce/stop garbage burning in landfills and other places and impose heavy fines on person responsible
 - b) Stringently enforce all pollution control regulations in industries and thermal power plants
 - c) Ensure that all brick kilns remain closed in Delhi-NCR as per the directions of Hon'ble NGT.
 - d) Ensure periodic mechanized sweeping and/or water sprinkling on roads with heavy traffic and dust generation potential.
 - e) Strict vigilance and no tolerance for visible emissions – stop plying of visibly polluting vehicles by impounding or heavy fine.
 - f) Strict vigilance and enforcement of PUC norms.



'परिवेश भवन', सी.बी.डी.-कम-ऑफिस कॉम्प्लेक्स, पूर्वी अर्जुन नगर, दिल्ली-110 032
'PARIVESH BHAWAN', C.B.D.-CUM-OFFICE COMPLEX, EAST ARJUN NAGAR, DELHI-110 032
PHONE: 011-22303655 TEL./FAX: 91-11-22307078, e-mail : prashant.cpcb@gov.in | mscb.cpcb@gov.in

- g) Stringently enforce rules for dust control in construction activities and close non-compliant sites.
 - h) Deploy traffic police for smooth traffic flow at identified vulnerable areas
 - i) Strictly enforce Hon'ble Supreme Court order on diversion of non-destined truck traffic and ensure only trucks registered after 2005 are allowed entry into Delhi.
 - j) Strictly enforce orders of Hon'ble Supreme Court and Hon'ble NGT regarding firecrackers.
2. Implementing agencies should be in readiness for implementation of actions under 'Very Poor' category.
 3. Citizens to take steps to check air polluting activities, such as:
 - a) Keeping PUC certificates up to date.
 - b) Keeping engines of cars/ bikes/ scooters properly tuned.
 - c) Maintaining proper air pressure in tires of cars/ bikes/ scooters
 - d) Adherence to lane driving
 - e) Optimize use of private vehicles
 - f) Not disposing waste /garbage in the open spaces
 - g) Reporting air pollution activities through SAMEER App, social media platforms and other public grievance portals
 4. States/Implementing agencies to disseminate information about air pollution levels and steps to minimize air pollution, for creating awareness among citizens.

All the concerned agencies must take steps as mentioned above and submit action taken report to the Member Secretary, CAQM.


18/10/21
(Prashant Gargava)
Chairperson of Sub-committee
and MS, CPCB

Exceptions

Following essential services and activities, as an exception shall be out of the purview of GRAP:

- a) Medical services (Hospital/ Nursing Home/ Health care facilities)
- b) Elevators/Escalators
- c) Railway services/ Railway stations
- d) Metro rail corporation services, including trains and stations
- e) Airports and Inter State Bus Terminals (ISBTs)
- f) Sewage treatment plants
- g) National security/ defense related activities.