COMMISSION FOR AIR QUALITY MANAGEMENT IN NATIONAL CAPITAL REGION AND ADJOINING AREAS

GRADED RESPONSE ACTION PLAN (GRAP) FOR NCR

(Revision: September 2024)

1. The GRAP for the NCR has been classified under 4 different stages of adverse air quality in Delhi viz. Stage – I 'Poor' (AQI 201 – 300), Stage – II 'Very Poor (AQI 301-400), Stage – III 'Severe' (AQI 401-450) and Stage – IV 'Severe +' (AQI >450) respectively.

2. Based on the dynamic model and weather/ meteorological forecast by IMD / IITM on a day-to-day basis, actions under Stages II, III and IV of the GRAP shall be invoked in advance of the AQI reaching to the projected levels of that stage, also provided that the higher projected AQI levels are likely to sustain for longer periods (say 3 days or more).

3. Restrictive actions undertaken as per previous stages shall be continued, in addition to the air pollution stage under which the restrictive actions are envisaged to be taken. For example, restrictive actions under the Stage III category, whenever invoked, shall be in addition to those under Stage I and II respectively and so on and so forth.

4. The Sub-Committee on GRAP constituted by the Commission shall meet frequently to plan for advance action and issue necessary orders for invoking various provisions of the GRAP, based on the prevalent air quality and the AQI forecast to be provided by IMD from time to time. The Sub-Committee shall also review the actions taken by various agencies responsible towards effective implementation of the GRAP.

5. The Chief Secretaries of NCR States and GNCTD shall frequently review the actions and implementation of the GRAP especially when the air quality falls or is likely to fall in the 'Severe' or 'Severe +' category (Stage III and beyond).

6. The Commission may decide upon additional measures and exceptions to the schedule of the GRAP, under different air pollution categories i.e., Stages I to IV, as per the prevalent AQI and weather forecast.

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Schedule	under	the	GRAP	for NCR
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Stage I – 'Poor' Air Quality (DELHI AQI ranging between 201-300)		
Actions	Agencies responsible / Implementing Agencies	
 Ensure proper implementation of Directions/ Rules/ guidelines on dust mitigation measures in Construction and Demolition (C&D) activities and sound environmental management of C&D waste. Ensure strict compliance of Direction Nos. 11- 18 dated 11.06.2021 and do not permit C&D activities in respect of such projects with plot size equal to or more than 500 sqm which are not registered on the 'web portal' of the respective state / GNCTD and / or which do not fulfil the other requirements as per the above noted statutory directions, for remote monitoring of dust mitigation measures. 	 Chairpersons – CPCB, DPCC, SPCBs (NCR). Commissioners / Chief Engineers of Urban Local Bodies in Delhi-NCR towns Construction agencies and plot owners (both public & private). 	
 Ensure regular lifting of Municipal Solid Waste (MSW), Construction & Demolition (C&D) waste, and Hazardous wastes from dedicated dump sites and ensure that no waste is dumped illegally in open land areas. 	 Commissioners / Chief Engineers of Urban Local Bodies in Delhi-NCR towns All land-owning agencies Construction agencies (both public & private). 	
 Carry out periodic mechanized sweeping and water sprinkling on roads and ensure scientific disposal of the dust collected in designated sites/landfills. 	 Commissioners / Chief Engineers of Urban Local Bodies in Delhi-NCR towns Chief Executives of all road owning and maintaining agencies. 	

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 Ensure that C&D materials & waste are properly stored/ contained, duly covered in the premises. Ensure transportation of C&D materials and C&D waste only through covered vehicles. 	 Commissioners / Chief Engineers of Urban Local Bodies in Delhi-NCR towns All construction agencies and plot owners (both public & private).
 6. Strictly enforce the statutory directions and yardsticks for use of anti-smog guns at C&D sites, in proportion to the total area of construction for the project. 7. Intensify use of anti-smog guns, water sprinkling and dust suppression measures in road construction / widening / repair projects 	 Commissioners / Chief Engineers of Urban Local Bodies in Delhi-NCR towns All construction agencies and plot owners (both public & private). All road owning / maintenance agencies in NCR.
 and maintenance activities. 8. Stringently enforce prohibition on open burning of bio-mass and municipal solid waste. Impose maximum EC upon violations in accordance with Hon'ble NGT's orders dated 04.12.2014 and 28.04.2015 in OA 21/2014. 9. Strict vigil to ensure that there are no burning incidents in the landfill sites / dumpsites. 	 Chairpersons – CPCB, DPCC, SPCBs (NCR). Commissioners / Chief Engineers of Urban Local Bodies in Delhi-NCR towns All land-owning agencies.
 Deploy traffic police for smooth traffic flow at all identified corridors with heavy traffic and congestion prone intersections. 	 Commissioner or Head of Traffic Police in Delhi and NCR towns.
 11. Strict vigilance and enforcement of PUC norms for vehicles. 12. No tolerance for visible emissions – Stop visibly polluting vehicles by impounding and / or levying maximum penalty. 	 Commissioner or Head of Transport Department of Delhi and NCR States Commissioner or Head of Traffic Police of Delhi and NCR towns.

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 13. Strictly enforce the Hon'ble Supreme Court order on diversion of non- destined truck traffic for Delhi, through Eastern and Western Peripheral Expressways. 14. Strictly enforce NGT / Hon'ble SC's order on overaged diesel / petrol vehicles and as per extant statutes. 	 Head of Traffic Police of NCT of Delhi and NCR towns. DMs /Dy Commissioners of NCT of Delhi / NCR towns Municipal Commissioner of Corporations of NCT of Delhi and NCR towns. Commissioner or Head of Transport Department of Delhi and NCR States Commissioner or Head of Traffic Police of Delhi and NCR towns.
 15. Ensure strict penal/ legal action against non-compliant and illegal industrial units. 16. Stringently enforce all pollution control regulations in Industries, brick kilns and hot mix plants etc strict compliance of the prescribed standards of emissions. 17. Ensure that only approved fuels are used by the industries in NCR including in brick kilns and hot mix plants and enforce closure in case of violations, if any. 	 Chairpersons – CPCB, DPCC, SPCBs (NCR). District Magistrates / Deputy Commissioners of NCT of Delhi / NCR Towns Commissioners of Urban Local Bodies in Delhi and NCR towns.
18. Stringently enforce emission norms in thermal power plants and strict actions be taken against non-compliance.	 Plant in- charge of Power Plants located within 300 km radius of Delhi. Chairpersons – CPCB, DPCC, SPCBs (NCR).
19. Strictly enforce Hon'ble Courts / Tribunal orders regarding ban on firecrackers.	 Commissioner of Police of Delhi & IG / DIG / SP of NCR towns or Officer In charge of Licensing. DMs/ DCs of respective districts in NCR. Chief controller of Explosives, Petroleum and Explosive Safety Organizations (PESO).

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20. Ensure regular lifting and proper disposal of industrial waste from industrial and non-development areas.	 Chairpersons – CPCB, DPCC, SPCBs (NCR). Commissioners/ Chief Engineers of Urban Local Bodies in Delhi-NCR towns All land-owning agencies. District Magistrate / Deputy Commissioners in NCR.
21. DISCOMs to minimise power supply interruptions in NCR.	 Head of Power distribution companies in NCR.
22. Ensure that diesel generator sets are not used as regular source of power supply.	 Chairpersons – CPCB, DPCC, SPCBs (NCR). DMs/ DCs of respective districts of NCR.
 23. Strictly enforce the extant ban on coal / firewood as fuel in Tandoors in Hotels, Restaurants and open eateries. 24. Ensure hotels, restaurants and open eateries use only electricity / gas-based / clean fuel - based appliances. 	 Commissioners / Chief Engineers of Urban Local Bodies in Delhi-NCR towns. Chairpersons – CPCB, DPCC, SPCBs (NCR).
25. Information dissemination including through social media and bulk SMS etc. Mobile Apps to be used to inform people about the pollution levels, contact details of control room, enable them to report polluting activities / sources to the concerned authorities and inform them about actions that would be taken by Government.	 ACS/ Pr. Secretary/ Secretary, Dept. of Environment, GNCTD and NCR States. Chairpersons – CPCB, DPCC, SPCBs (NCR).
26. Ensure quick actions for redressal of complaints on 311 APP, Green Delhi App, SAMEER App and other such social media platforms to curb polluting activities.	 Head of Urban Local Bodies in NCR towns. Chairpersons – CPCB, DPCC, SPCBs (NCR).

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	- Construction agencies, land owning agencies, Development agencies and all other concerned implementing agencies.		
	rage offices to start unified commute for - State Governments in NCR and GNCTD. yees to reduce traffic on road.		
Keep engines of your vehicles properly tuned.			
	Maintain proper tyre pressure in vehicles.		
Ľ	 Keep PUC certificates of your vehicles up to date. 		
R	 Do not idle your vehicle, also turn off the engine at red lights. 		
HAI	 Prefer hybrid vehicles or EVs to control vehicular pollution. 		
 Do not idle your vehicle, also turn off the engine at red lights. Prefer hybrid vehicles or EVs to control vehicular pollution. Do not litter / dispose wastes, garbage in open spaces. Report air polluting activities through 311 App, Green Delhi App, SAMEER App Plant more trees 			
Report air polluting activities through 311 App, Green Delhi App, SAMEER App e			
G	• Plant more trees.		
	 Celebrate festivals in an eco-friendly manner – avoid firecrackers. 		
	Do not drive/ply end of life/ 10/15 years old Diesel/Petrol vehicles.		

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	Stage II – 'Very Poor' Air Quality (DELHI AQI ranging between 301-400)		
	Actions	Agencies responsible / Implementing Agencies	
	Carry out mechanical/ vacuum sweeping and water sprinkling of the identified roads on a daily basis. Ensure water sprinkling along with use of dust suppressants (at least every alternate day, during non-peak hours) on roads to arrest road dust especially at hotspots, heavy traffic corridors, vulnerable areas and proper disposal of dust collected in designated sites/landfills.	 Commissioners / Chief Engineers of Urban Local Bodies in Delhi-NCR towns Chief Executives of all road owning and maintaining agencies. Commissioner of Traffic Police of Delhi & NCR towns to identify roads with heavy traffic and provide information to respective Municipal Commissioners. 	
3.	Intensify inspections for strict enforcement of dust control measures at C&D sites.	 Chairpersons – CPCB, DPCC, SPCBs (NCR). Commissioners / Chief Engineers of Urban Local Bodies in Delhi and NCR towns. 	
4.	Ensure focussed and targeted action for abatement of air pollution in all identified hotspots in NCR. Intensify remedial measures for the predominant sector(s) contributing to adverse air quality in each of such hotspots.	 State Govts. in NCR and GNCTD. Chairpersons – CPCB, DPCC, SPCBs (NCR). Commissioners / Chief Engineers of Urban Local Bodies in Delhi and NCR towns. 	
5.	Ensure uninterrupted power supply to discourage use of alternate power Generating sets/ equipment (DG sets etc.).	 Additional Chief Secretary / Principal Secretary (Power), NCR State Governments / GNCTD Head of Power Distribution Companies of Delhi and NCR Districts. 	

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sectors in the Commercial, Re	nt the following tions of DG set NCR includin sidential etc. in 5. 76 dated 29.09.2 System to be	s across all g Industrial, accordance		
DG sets	adopted for control of emissions	for use		
Power generating sets of all capacities running on LPG/ Natural Gas/ Bio- gas/Propane/Butane	None	No restrictions		
Power generating sets up to 800 kW (1000 kVA) capacity to standards as per MoEFCC notification No. GSR 804 (E) dated 03.11.2022	None	No restrictions.	-	Chairpersons – CPCB, DPCC, SPCBs (NCR).
DG sets to old	er specifications / stan	dards		
800 kW (1000 kVA) and above	Any emission control system/mechanism, however subject to compliance of the prescribed emission standards in Direction no. 76	No restrictions	-	Commissioners / Chief Engineers of Urban Local Bodies in Delhi and NCR towns. District Magistrates / Deputy
62 kW (73 kVA) to less than 800 kW (1000 kVA)	Dual fuel mode OR Retro-fitted ECDs through certified agencies	No restrictions		Commissioners of NCR States and GNCTD.
19 kW (23 kVA) to less than 62 kW (73 kVA)	Dual fuel mode	No restrictions Note: DG Sets not working in a dual fuel mode, only owing to non- availability of gas infrastructure and supply, shall be permitted only for prescribed emergency services. *		

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category / capacity for range of DG sets. presc	itted. itted only the ribed gency	
* Emergency services:		
(i) Only for operating elevators / Escalators / tra	avelators	
(ii) Medical Services (Hospital / Nursing Home	e/ Health	
care facilities).		
(iii) Railway Services / Railway Stations.		
(iv) Metro Rail Corporation & MRTS Services.		
(v) Airports and Inter-State Bus Terminals.		
(vi) Sewage Treatment Plants.		
(vii) Water pumping Stations.		
(viii) Projects related to national security, defe	ence & of	
national importance.		
(ix) Telecommunications and IT/ data services	5.	
7. Synchronize traffic movements and deploy	- Commissioner or Officer in charge - Traffic	
adequate personnel at intersections / traffic	Police of Delhi and NCR towns.	
congestion points for smooth flow of traffic.		
8. Alert in newspapers / TV / radio to advise		
people about air pollution levels and Do's and	- Chairpersons – CPCB, DPCC, SPCBs (NCR).	
Don'ts for minimizing polluting activities.		
	 Chief Secretary and Principal Secretary, Urban Local Bodies of NCR States and 	
9. Enhance vehicle parking fees to discourage	GNCTD.	
private transport.	- Commissioners of Urban Local Bodies in Delhi	
	and NCR towns.	
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10. Augment CNG/ electric bus and metro	 NCR State Governments. Principal Secretary, Department of Transport.
services by inducting additional fleet and	of NCT of Delhi and NCR State Govts. Delhi Transport Corporation (DTC). State Transport Corporation in NCR towns. Delhi Integrated Multi – Model Transit System
increasing the frequency of service.	Ltd. (DIMTS). Delhi Metro Rail Corporation (DMRC).
11. Resident Welfare Associations to necessarily provide electric heaters to security staff to avoid open Bio-Mass/ MSW burning during winters.	- Resident Welfare Associations.

	 People to use public transport and minimize use of personal vehicles.
Z H	 Use technology, take less congested route even if slightly longer.
CITIZEN CHARTER	Regularly replace air filters at recommended intervals in your automobiles.
CHA	Avoid dust generating construction activities during months of October to January.
	 Avoid open burning of solid waste and bio-mass.

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Stage III – 'Severe' Air Quality (DELHI AQI ranging between 401-450)		
Actions	Agencies responsible / Implementing Agencies	
 Further intensify the frequency of mechanised sweeping of roads. Ensure daily water sprinkling along with dust suppressants, before peak traffic hours, on roads and right of ways including hotspots, heavy traffic corridors and ensure proper disposal of the collected dust in designated sites/ landfills. 	 Commissioners / Chief Engineers of Urban Local Bodies in Delhi-NCR towns Chief Executives of all road owning and maintaining agencies. Commissioner of Police / Head of Traffic Police in Delhi & NCR towns to identify roads with heavy traffic and provide information to respective Municipal Commissioners / Head of Municipal Bodies. 	
 Further intensify public transport services. Introduce differential rates to encourage off- peak travel. 	 Secretary cum Commissioner of Transport Department, NCT of Delhi Transport Commissioners of NCR States. Managing Director, Delhi Metro Rail Corporation (DMRC). Chairpersons, State Transport Corporations. 	
 4. Construction & Demolition activities: (i) Enforce strict ban on the following categories of dust generating/ air pollution causing C&D activities in the entire NCR: Earthwork for excavation and filling including boring & drilling works. Piling works. All demolition works. Laying of sewer line, water line, drainage and electric cabling etc. by open trench system. Brick / masonry works. 	 NCR State Governments and GNCTD Chairpersons – CPCB, DPCC, SPCBs (NCR). Commissioners / Chief Engineers of Urban Local Bodies in Delhi and NCR towns. 	

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• Operation of RMC batching plant.

- Major welding and gas-cutting operations. Minor welding activities for MEP (Mechanical, Electrical and Plumbing) works to be, however, permitted.
- Painting, polishing and varnishing works etc.
- Cement, Plaster / other coatings, except for minor indoor repairs/maintenance.
- Cutting / grinding and fixing of tiles, stones and other flooring materials, except for minor indoor repairs/maintenance.
- Water Proofing work (Excluding Chemical water proofing).
- · Road construction activities and major repairs.
- Transfer, loading / unloading of dust generating materials like cement, fly-ash, bricks, sand, murram, pebbles, crushed stone etc. anywhere within / outside the project sites.
- Movement of vehicles carrying construction materials on unpaved roads.
- Any transportation of demolition waste.

(ii) All construction related activities, other than those listed under 4(i) above, which are relatively less polluting / less dust generating shall be permitted to be continued in the NCR, subject to strict compliance of the C&D Waste Management Rules, dust prevention/ control norms including compliance with the directions of the Commission issued from time to time.

(iii) All C&D related activities, including those	
under 4(i) above, shall be continued to be	
permitted only for the following categories of	
projects, however subject to strict compliance of	
the C&D Waste Management Rules, dust	
prevention/ control norms including compliance	
with the directions of the Commission issued from	
time to time:	
(a) Projects for Railway services and stations	
(b) Projects for Metro Rail Services and stations	
(c) Airports and Inter State Bus Terminals	
(d) National security/ defence related activities/	
projects of national importance;	
(e) Hospitals/ health care facilities	
(f) Linear public projects such as highways,	
roads, flyovers, over bridges, power	
transmission/ distribution, pipelines, tele-	
communication services (Only for non-open	
trench works) etc.	
(g) Sanitation projects like sewage treatment	
plants and water supply projects etc.	
(h) Ancillary activities, specific to and	
supplementing the above project categories.	
	- Chairpersons – CPCB, DPCC, SPCBs (NCR)
	- Commissioner of Police - Delhi and DG of
5. Close down operations of stone crushers in	Police of NCR States
the entire NCR.	- District Magistrates / Deputy Commissioners
	of respective districts in Delhi and NCR States.
	- Chairpersons – CPCB, DPCC, SPCBs (NCR).
6 Close down all mining and appreciated	- District Magistrates / Deputy Commissioners
 Close down all mining and associated activities in the entire NCR. 	of respective districts in NCR.
activities in the entire NCK.	- Commissioner of Police - Delhi and IG / DIG /
	SP of NCR towns.
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 NCR State Govts. / GNCTD to impose strict restrictions on plying of BS III petrol and BS IV diesel LMVs (4 wheelers) in Delhi and in the districts of Gurugram, Faridabad, Ghaziabad and Gautam Budh Nagar. 	 State Governments in NCR and GNCTD. Commissioner or Head of Transport Department Commissioner of Police / Head of Traffic Police of Delhi and NCR towns.
 GNCTD to impose strict restrictions on plying of Delhi - registered Diesel operated Medium Goods Vehicles (MGVs), to BS-III standards or below, in Delhi, except those carrying essential commodities / providing essential services. 	 State Governments in NCR and GNCTD. Commissioner or Head of Transport Department Commissioner of Police / Head of Traffic Police of Delhi and NCR towns.
9. GNCTD to not permit BS-III and below diesel operated LCVs (goods carriers) registered outside Delhi, to enter Delhi, except those carrying essential commodities / providing essential services.	 State Governments Transport Commissioners, GNCTD/ NCR States Commissioners / Head of Urban Local Bodies in Delhi-NCR towns. Commissioner of Police / Head of Traffic Police of Delhi and NCR towns.
10. Do not permit Inter-State buses from NCR states other than EVs/CNG/BS-VI diesel, to enter Delhi (excluding buses /Tempo travelers operated with All India Tourist Permit).	 State Governments in NCR and GNCTD. Commissioner or Head of Transport Department Commissioner of Police / Head of Traffic Police of Delhi and NCR towns.
11. State Govts. in the NCR and the GNCTD may take a decision on discontinuing physical classes in schools for children up to Class V and conducting classes in an online mode.	- State Governments of NCR & GNCTD.

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	Walk or use cycles for small distances.
ER	 Choose a cleaner commute. Share a ride to work or use public transport.
ARI	 People, whose positions allow working from home, may work from home.
G	 Do not use coal and wood for heating purpose.
TIZEN	 Individual house owners may also provide electric heaters to security / other staff employed by them to avoid open burning of bio-mass / wood / MSW.
G	Combine errands and reduce trips.

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Stage IV – 'Severe +' Air Quality (DELHI AQI > 450)		
Actions	Agencies responsible / Implementing Agencies	
 Stop entry of truck traffic into Delhi (except for trucks carrying essential commodities/ providing essential services. All LNG/ CNG / Electric/ BS-VI Diesel trucks) shall however be permitted to enter Delhi. Do not permit LCVs registered outside Delhi, other than EVs / CNG / BS-VI diesel, to enter Delhi, except those carrying essential commodities / providing essential services. 	 State Governments Transport Commissioners, GNCTD/ NCR States Commissioners / Head of Urban Local Bodies in Delhi-NCR towns. Commissioner of Police / Head of Traffic Police of Delhi and NCR towns. 	
 Enforce strict ban on plying of Delhi - registered BS-IV and below diesel operated Medium Goods Vehicles (MGVs) and Heavy Goods Vehicles (HGVs) in Delhi, except those carrying essential commodities / providing essential services. 	 State Governments of NCR & GNCTD Transport Commissioners, GNCTD/ NCR States. Commissioner of Police / Head of Traffic Police of Delhi and NCR towns. 	
 Ban C&D activities, as in the GRAP Stage-III, also for linear public projects such as highways, roads, flyovers, overbridges, power transmission, pipelines, tele-communication etc. 	 Chairpersons – CPCB, DPCC, SPCBs Commissioners / Chief Engineers of Urban Local Bodies in Delhi - NCR towns. Nodal officers of road owning agencies (dust control and management cells). 	
 NCR State Govts. and GNCTD may take a decision on discontinuing physical classes even for classes VI – IX, class XI and conduct lessons in an online mode. 	- State Governments of NCR & GNCTD.	

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6.	NCR State Governments / GNCTD to take a decision on allowing public, municipal and private offices to work on 50% strength and the rest to work from home.	
7.	Central Government may take appropriate decision on permitting work from home for employees in central government offices.	 Central Government (DoPT).
8.	State Governments may consider additional emergency measures like closure of colleges/ educational institutions and closure of non-emergency commercial activities, permitting running of vehicles on odd-even basis of registration numbers etc.	- State Governments of NCR & GNCTD.
CITIZEN	• Children, elderly and those with respiratory, cardiovascular, cerebrovascular or othe chronic diseases to avoid outdoor activities and stay indoors, as much as possible.	

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