

**COMMISSION FOR AIR QUALITY MANAGEMENT  
IN NATIONAL CAPITAL REGION AND ADJOINING AREAS  
17<sup>th</sup>Floor, Jawahar Vyapar Bhawan (STC Building)  
Tolstoy Marg, New Delhi-110001**

F. No. A-110018/01/2021-CAQM | 9121-9143

Dated: 14.09.2022

**Subject: Directions under Section 12 of the Commission for Air Quality Management in National Capital Region and Adjoining Areas Act, 2021 for effective control of air pollution in Delhi-NCR- Regulations for use of DG sets greater than 800 KW capacity.**

WHEREAS, Ministry of Environment, Forest and Climate Change, Government of India, in exercise of the powers conferred under Section 3 of the Commission for Air Quality Management in National Capital Region and Adjoining Areas Act 2021, has constituted the Commission for Air Quality Management in National Capital Region and Adjoining Areas (hereinafter referred to as the Commission);

WHEREAS, under Section 12 (l) of the Act, the Commission is vested with powers to take all such measures, issue directions, etc., as it deems necessary or expedient for the purpose of protecting and improving the quality of the air in the National Capital Region and Adjoining Areas;

WHEREAS, Section 12 (2) (xi) of the Act empowers the Commission to issue directions in writing to any person, officer, or any authority and such person, officer or authority shall be bound to comply with such directions;

WHEREAS, the Commission has repeatedly taken up the matter relating to air pollution with the State governments of Haryana, Rajasthan, Punjab, Uttar Pradesh and Government of NCT of Delhi and various organizations concerned of the Central and State Governments/ GNCTD and has issued various Directions, Advisories and Orders for effective implementation of measures for abating air pollution in NCR from time to time;

WHEREAS, the Commission has been highlighting that amongst others, uncontrolled use of Diesel Generator (DG) sets is a major contributing factor for deterioration of air quality in the region;



WHEREAS, in wake of adverse air quality in NCR during the winter season, the Commission vide its Direction No. 44 dated 16<sup>th</sup> November, 2021, directed for ban on use of DG sets, except for emergency purposes, during the period under the GRAP in NCR;

WHEREAS, for imparting clarity in the matter, the Commission vide its directions No. 54-57 dated 08.02.2022 listed out emergency purposes / services for which DG sets could be used even under the period of ban under the GRAP and also permitted regulated use of DG sets, as an exception, provided such DG sets are equipped with Retrofitted Emission Controlled Devices (RECD) in accordance with the CPCB guidelines towards a minimum PM capturing efficiency of 70% for in-use DG sets up to 800 KW gross power category and such DG sets are also converted to run in a hybrid/ dual fuel mode (gas-based fuel and Diesel);

WHEREAS, a number of industries, associations, federations and entities have represented before the Commission that as of now, there is no specified procedure for emission compliance/testing for Retro-fitted Emission Control Devices (RECD) for Diesel Power Generating Set Engines more than gross mechanical power 800 KW and have sought clarity on use of such DG sets during the GRAP;

WHEREAS, in this context, the Commission, from time to time, asked CPCB to expedite the guidelines for DG Sets of more than 800 KW capacity;

WHEREAS, the CPCB has advised that Genset Engines of gross mechanical power more than 800 KW are basically power houses and it is not possible to test the efficacy of such retrofitted emission control devices in iso-kinetic conditions and have suggested for Stack Emission Standards for such Gen Sets to be in accordance with the notification GSR 489 dated 09.07.2002;

WHEREAS, CPCB also informed that monitoring protocol for emission testing for DG Sets more than 800 KW had already been developed and circulated among SPCBs/PCCs and the emission compliance for this category of DG Sets is to be ensured by them through consent Mechanisms and stack monitoring;

WHEREAS, heavy pollution owing to large number of diesel generator sets operating in the region has been a matter of prime concern and it was with this view that the DG sets lower than 800 KW capacity have been mandated to be retro-fitted with Emission Control Devices and to operate in a dual fuel mode towards significant reduction in the PM emissions emanating from the DG sets;

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WHEREAS, there is a strong need to also control the PM emissions from DG Sets of more than 800 KW capacity and accordingly stringent emission standards are desired;

NOW, THEREFORE, with a view to prevent, control and abate air pollution caused by the DG sets in the region, the Commission in exercise of its powers vested under Section 12 of the Commission for Air Quality Management in NCR and Adjoining Areas Act 2021, hereby directs that regulated use of DG sets of capacity more than 800 KW may also be permitted for industrial / commercial operations in the NCR during the period under GRAP, subject to following:

- i. Such DG sets are mandatorily run on a dual fuel mode in areas where PNG infrastructure and supply is available and shall be permitted to run for maximum 2 hours a day to take care of production / technical exigencies owing to regular power supply failures.
- ii. In areas where gas infrastructure and supply is not available, the 800 KW and above capacity DG sets may be permitted to run only for maximum 1 hour on a daily basis.
- iii. The stack emissions from such >800 KW capacity DG sets shall conform to the following:

S.No.	Parameter	Standards
i.	PM (at 15% O <sub>2</sub> )	50 mg / Nm <sup>3</sup>
ii.	NO <sub>x</sub> (at 15% O <sub>2</sub> )	650 mg / Nm <sup>3</sup>
iii.	CO (at 15% O <sub>2</sub> )	100 mg / Nm <sup>3</sup>
iv.	Stack height	<p>Maximum of the following (in mtr)</p> <p>a) Minimum 6 m above the building where DG set is installed.</p> <p>b) 30 m.</p> <p><b>Note:</b> For example, if the building height where such DG sets are installed, is 20 mtrs., the minimum stack height for the DG sets should be 30 mtrs. from the ground level.</p> <p style="text-align: center;"><b>and</b></p> <p>If the building height itself is 27 mtrs., the minimum stack height for the DG sets should be 33 mtrs. from the ground level.</p>

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- iv. NCR State PCBs/DPCC shall ensure compliance of emission standards as above through suitable consent mechanisms and periodic monitoring.

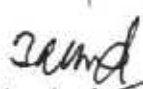
(Arvind Nautiyal)  
Member-Secretary  
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To,

1. The Chief Secretary, Government of NCT of Delhi.
2. The Chief Secretary, Government of Haryana.
3. The Chief Secretary, Government of Rajasthan.
4. The Chief Secretary, Government of Uttar Pradesh.
5. Chairperson and all Members, CAQM.

Copy to (NOO):

1. Chairman, CPCB.
2. Chairman, DPCC.
3. Chairman, HSPCB.
4. Chairman, RSPCB.
5. Chairman, UPPCB.

  
(Arvind Nautiyal)  
Member-Secretary