



**MADHYA PRADESH POLLUTION CONTROL BOARD**  
Paryawaran Parisar, E-5, Arera Colony, Bhopal - 462 016 (M.P.)  
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No. 05 /PCB/Legal/2024

Bhopal, Date 06 / JAN /2024

//OFFICE ORDER//

**Subject: Retrofitting of Emission Control Devices/Equipment in DG Sets with capacity of 125 KVA up to 1000 KVA in State of Madhya Pradesh - reg.**

Ref: (1) Hon'ble NGT Directions in OA 681/2018 order dated 06/08/2019.

- (2) CPCB procedure for System and Procedure For Emission Compliance Testing of Retro-fit Emission Control Devices (RECD) for Diesel Power Generating Set Engines Up to Gross Mechanical Power 800 kW dated 01/02/2022 (Revised on 24/07/2023).

**Whereas,** the Particulate Matter emissions due to operation of Gen-Sets have also been identified as one of the major sources of emissions in the National Clean Air Programme and by the Hon'ble National Green Tribunal in the OA No. 681/2018.

**Whereas,** the Government of India, MoEF&CC has launched the National Clean Air Programme (NCAP) for the prevention, control and abatement of air pollution level in the country at an urban and regional level and has recognized Vehicles, DG sets Construction dust etc. as major sources of air pollution. As per NCAP, Government of India, Diesel Generator sets are found to be one of the major sources of air pollution in Indian cities and states.

**Whereas,** there is a plan for national level target of 40% reduction of PM 10 concentration in the ambient air under the NCAP, Govt. of India or achievement of National Standards ( $60 \mu\text{g}/\text{m}^3$ ) by 2025-26. The Hon'ble NGT vide order dated 06/08/2019 has observed that the timeline to reduce the air pollution by 30% needs to be reduced, and the target of reduction needs to be increased, having regard to adverse effect on public health and in view of constitutional mandate of fundamental right to breathe clean air. It further states,



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that the air pollution caused by DG sets needs to be a part of the action plans, which may, if necessary, require retrofitting of Emission Control Devices/Equipment on generators already in use.

**And Whereas**, M.P. Pollution Control Board (MP PCB) is a statutory body constituted under Section 4 of the Water (Prevention and Control of Pollution) Act, 1974 and has been entrusted with responsibilities for enforcement of Air (Prevention and Control of Pollution) Act, 1981 and Environment Protection Act, 1986 also. And the power to issue directions under Section 5 of the Environment (Protection) Act, 1986 has been delegated to the Chairman, MPPCB vide notification dated 10.04.2021.

Whereas, in exercise of powers conferred under Section 19 (1) of the Air (Prevention & Control of Pollution) Act, 1981, the State Government vide notification No. 1481-1473-32-88 dated 09 March 1988 has declared the entire State of Madhya Pradesh as Air Pollution Control Area.

**Now, therefore**, with the above background, and in exercise of powers vested with the Board under Section 17 (1) J read with section 31 (A) of Air (Prevention and Control of Pollution) Act, 1981 and section 5 of the Environment (Protection) Act 1986, all the industries and the establishments operating DG sets of capacity 125 KV A and above within the jurisdiction of the state of Madhya Pradesh, are hereby directed to:

1. Retrofit all operational DG sets of capacity 125 KVA up to 1000 KVA with an Emission Control Device/Equipment having a minimum specified Particulate Matter capturing efficiency of at least 70% in 5 mode D2 cycle. The Emission Control Device/Equipment must be tested over a ISO- 8178-5 (Reciprocating Internal Combustion Engines-Exhaust Emission measurement Part-5: Test Fuels) mode D2 cycle for equivalent KVA rating by one of the five Central Pollution Control Board, Govt. of India, recognized /approved laboratories as given below:



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- a. Automotive Research Association of India, Pune. (Maharashtra)
- b. International Centre for Automotive Technology, Manesar. (Haryana)
- c. Indian Oil Corporation, Research and Development Centre, Faridabad. (Haryana)
- d. Indian Institute of Petroleum, Dehradun (Uttarakhand) or
- e. Vehicle Research Development Establishment, Ahmednagar. (Maharashtra).

(OR)

2. Shifting to gas based generators by employing new gas based generators.

These directions shall be complied by all stakeholders within 120 days from the date of issuance. It is therefore enjoined upon all establishments within the jurisdiction of Madhya Pradesh, operating DG sets of 125 KVA and above, failing which actions as warranted under the provisions of Environment (Protection) Act, 1986 and Air (Prevention and Control of Pollution) Act, 1981 shall be initiated. This order shall come into effect with within 120 days from the date of issuance of this order by all stakeholders.

  
(A.A. MISHRA)  
MEMBER SECRETARY

**Copy To:**

1. The Chairman, M.P. Pollution Control Board, Bhopal for information please.
2. All Unit Heads, M.P. Pollution Control Board, Bhopal for information and necessary action.
3. All Regional Officers, Regional Office M.P. Pollution Control Board, for information and necessary action.
- ✓ 4. IT Section, M.P. Pollution Control Board, Bhopal for information and uploading this order on website.