

Jharkhand Pollution Control Board
Township Administration Building, HEC Complex, Dhurwa
Ranchi - 834004

Notification No.02.....

Sub: Direction under section 31 (A) of the Air (Pollution Control of Pollution) Act 1981, Control of Emissions of DG sets in the state of Jharkhand by installing/ Retrofitted Emission Control Device (RECD) or shifting to gas based generator in the State – reg.

Ref: 1. NGT Order OA 681 of 2018 dated 06/08/2019
2. CPCB Lr. No. EQ-11099/8/2021-AQM-HO-CPCB-HO-Part (5), dated 22.03.2024.

Whereas, Ministry of Environment Forest & Climate Change, the Government of India has launched the **National Clean Air Programme (NCAP)** for the prevention, control and abatement of air pollution level in the Country at urban and regional level. The Government of India recognizes major sources of air pollution such as industrial emission, vehicular emissions, Diesel Generator (DG) sets, construction & demolition dust, etc.

Whereas, Hon'ble National Green Tribunal (NGT) vide order dated 06.08.2019 in OA No 681/2018 has observed that the pollution caused by DGs need to be a part of action plan of NCAP (National Clean Air Program) in view of constitutional mandate of fundamental right to breathe clean air.

Whereas, there is a national level action plan targeting to reduce **30% PM2.5** and **PM10** concentration in the ambient air considering 2017 as the base year under the NCAP in pursuance of the various orders passed by NGT. In the action plan solutions have been given to reduce the particulate matter emission from in use of DG sets, such as:

- a. Use of retrofitting emission control equipment/ device with the existing operational DGs having minimum specified particulate matter capturing efficiency of at least 70% type, approved by one of the 5 CPCB recognised labs and may be used device of 8 registered manufacturer of CPCB (Central pollution Control Board). List enclosed.
 - b. Shift to gas based generators by employing new gas – based generators
- or
- retrofitting the existing DGs for partial gas usages.

In compliance of the various order passed by Hon'ble NGT, CPCB has notified the procedure for certification of the RECD dated 01.02.2022 namely "System and Procedure for Emission compliance Testing of RECD for Diesel Power Generating Set Engines up to Gross Mechanical Power 800 kW, CPCB has published the emission data/ limit for DG sets and has currently approved 05 (Five) test agencies for certification of type approval, they are as follows:

- International Centre for Automotive Technologies (ICAT), Manesar (Haryana)
- Indian Oil Corporation, Research & Development Centre, Faridabad (Haryana)
- Automotive Research Association of India (ARAI), Pune (Maharashtra)
- Vehicle Research Development Establishment, Ahmednagar (Maharashtra)
- Indian Institute Petroleum, Dehradun (Uttarakhand)

However CPCB may revise the procedure from time to time. CPCB has certified 8 manufacturing Companies (as of 29.08.2024) producing RECD to Diesel Gen-set Engine (up to 800 kW), the list of them is annexed and/ or it can be seen on the CPCB website.

Now, in light of the above background and in exercise of powers vested with the Board under Section 17 (1) I 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, Projects, Buildings, Utilities and the establishments of private or government operating DG sets of capacity up to 800kW (1000KVA), within the jurisdiction of the state of Jharkhand are hereby directed for adoption of the following Schedule to regulated operations of DG sets:

1. The engines/ generating sets manufactured & installed before 01.07.2004 or the engines which are not complying either Stage – I and/or Stage II emission limits, such engines are to be scraped. No one shall sell/ use/ run the above engines/ generating sets.
2. Retrofit all operational DG sets of capacity 125 KVA and above shall establish the compliance of minimum 70% reduction of Particulate Matters (PM_{2.5} & PM₁₀) by using the retrofitted with emission control device/ equipment. For Diesel Power generating set engines up to gross mechanical power 800 kW, the emission control device must be type approved as per CPCB system and procedure for emission compliance, testing of retro – fit emission control devices (RECD).
3. For Diesel power generating engines above gross mechanical power than 800 kW (1000 KVA), RECD should be installed demonstrating minimum 70% reduction in PM, Hydrocarbons, NO_x
4. and carbon monoxide (CO) from existing levels measured through stack emission tests as per GSR 489 (E) dated 9th July, 2002 serial no – 96 under the Environment protection Act, 1986 and there by Diesel power generating set engines shall demonstrate 70% reduction in existing levels but in no case the PM emission level shall be more than the prescribe limit under applicable notifications published by CPCB.

or

Shifting to gas-based generators by employing new gas-based generators or retrofitting the existing DG sets for partial gas usage.

Compliance Period

This is to be complied within a period of 90 days from the date of issuance of this notification by all stakeholders, failing which action as warranted under the provisions of Environment (Protection) Act, 1986 and Air (Prevention and Control) Act, 1981 shall be initiated.

Environmental Compensation (EC)/ Fine:


The violation of the above direction/ regulations on DG sets, EC Charges are set as below:

Rate of EC charges for each DG set for each day of violation

- a.) Rs. 7,500.00 (Seven thousand five hundred) for DG sets between 20 to 125 kW capacity.
- b.) Rs. 15,000 (Fifteen thousand) for DG Sets >125 kW but < 800 kW capacity.
- c.) Rs. 25,000 (Twenty five thousand) for DG Sets of 800 kW or higher capacity.

All Regional officers shall ensure the compliances of the above noted directions and regular monitoring at the field level.

This order supersedes all other previously issued orders.
Issued with the approval of the Competent Authority.


(Rajeev Lochan Bakshi)
Member Secretary

Jharkhand State Pollution Control Board

Date: 20/03/2025

Memo No: 799

To

All Concern Secretaries, Urban Development & Housing/ Rural Development/ Panchayati Raj departments/ Regional Officers (RO) JSPCB/ IT cell for uploading this notification on JSPCB website/ Publish in the Jharkhand News Papers all languages.


Member Secretary

Jharkhand State Pollution Control Board

Now