



STATE POLLUTION CONTROL BOARD, ODISHA

[DEPARTMENT OF FOREST, ENVIRONMENT & CLIMATE CHANGE, GOVERNMENT OF ODISHA]
ParibeshBhawan, A/118, Nilakantha Nagar, Unit - VIII
Bhubaneswar - 751012

No. 17927 / IND-I-CON(Misc)-1671 Date: 14.11.2023 /

RETROFITTING OF OPERATIONAL DG SETS FOR EMISSION CONTROL IN THE STATE OF ODISHA

Hon'ble National Green Tribunal, in the matter of OA No.681/2018 has directed all the States, in its order dated 06.08.2019, to take measures for controlling urban air pollution. The Diesel Generator (DG) Sets, vehicles, construction dust etc. are major sources of air pollution in urban areas. DG Sets of different gross mechanical power are used, mostly during power failure by Industries, Establishments, Projects, Buildings, Utilities, Airports, Railway Stations, and other places and contribute significantly to the air pollution.

The Ministry of Environment, Forest & Climate Change, Govt. of India has notified emission norms for DG Sets vide notification GSR 371 dated 17th May 2002 (Stage-I), No.GSR-771(E) dated 11.12.2013 and its amendment vide GSR 232(E) dated 31st Mar 2014 (Stage-II). Hon'ble NGT in the above matter directed to further reduce the particulate matter emission from DG set emission without compromising other emission parameters. Further reduction of Particulate Matter can be achieved by installing Retrofit- Emission Control Devices (RECD) in currently operating DG Sets.

As per the order of the Hon'ble NGT, the Central Pollution Control Board published a procedure for certification of the RECD dated 01.02.2022 namely "System and procedures for emission compliance testing of RECD for diesel power generating set engines up to gross mechanical power of 800 KW."

In view of the orders of the Hon'ble NGT as above, read with Rule - 3 of Environment Protection Rule 1986, and in consonance with the CPCB Guidelines on



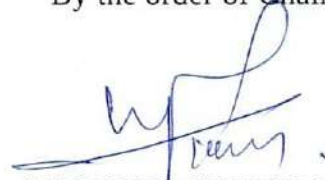
RECD compliance, it is notified that all the DG sets operating in the State, having a capacity of 50 KVA and above, shall abide by the following directions.

1. The engines/generating sets manufactured and installed before 1.7.2004 or the engines which are not complying either Stage-I and/or Stage-II emission limits, such engines are to be scrapped. No one shall sell/use/run the above engines/generating sets.
2. The engines complying with the emission limits as specified in CPCB Stage-1 (GSR 371 dated 17th May 2002) and the diesel genset engines manufactured / imported on or after 1.7.2004 till 1.7.2014, shall comply with minimum 70% reduction of Particulate Matter by installing RECD without adversely affecting any other emission parameters.
3. The engines complying with the emission limits as specified in CPCB Stage-II (GSR 771(E) dated 11th Dec 2013 and its amendment vide GSR 232(E) dated 31-Mar-2014), and the diesel genset engines manufactured/imported on or after 1.7.2014 shall comply with minimum 70% reduction of Particulate Matter by installing RECD without adversely affecting any other emission parameters.
4. The retrofit shall comply with the CPCB guideline on Retrofit compliance dated 01.02.2022, revised on 24.07.2023, and subsequent amendment if any.
5. The DG sets of capacity 1000 KVA and above, shall be regulated under the Consent Regime as per the provisions of Air (PCP) Act, 1981. The DG sets of capacity 1000 KVA to 5000 KVA are classified as Orange category industry vide letters no. 8909 dated 18.09.2020 and DG sets of capacity more than 5000 KVA as Red category industry vide letter no. 8333 dated 11.7.2018.
6. The DG sets may exercise the option to shift to gas-based generators by employing new gas-based generators or retrofitting the existing DG Sets for partial gas usage.

7. This order supersedes the circular issued vide letter no. 15730 dated 6.10.2023 and shall be complied within six months and one year from the date of issue by the facilities/industries located in non-attainment cities and other than non-attainment cities respectively.

This is issued with immediate effect.

By the order of Chairman



MEMBER SECRETARY

Memo No. 17928, Date 14.11.2023 /

Copy forwarded to:

1. PS to the Chief Secretary, Odisha-cum-Chairman, SPCB, Odisha for kind information of the Chairman, SPCB, Odisha.
2. Additional Chief Secretary, Energy Department, Govt. of Odisha for kind information and necessary action.
3. Director (Env.)-cum-Special Secretary to Govt., Forest, Environment and Climate Change Department., Govt. of Odisha for kind information and necessary action.
4. All the Collector & District Magistrate.
5. CEEs / CESs / ACEEs / ACESs, SPC Board, Odisha.
6. All the Regional Officers, SPC Board, Odisha.
7. SLO (II), SPC Board, Odisha.
8. CEE (CTO), SPCB, Odisha. The System Administrator may be requested to display the Circular in Board's website for public view.



MEMBER SECRETARY

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