

No. 519/PPCC/AIR-SAP/RECD/Sci-II/2023/1112  
GOVERNMENT OF PUDUCHERRY  
DEPARTMENT OF SCIENCE, TECHNOLOGY & ENVIRONMENT  
PUDUCHERRY POLLUTION CONTROL COMMITTEE  
III FLOOR, PHB BUILDING, ANNA NAGAR, PUDUCHERRY – 5.  
Phone: (0413) 2201256 Fax: (0413) 2203494

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OFFICE ORDER

04 DEC 2023


**Sub: PPCC - Retrofitting of Emission Control Devices/Equipment in DG sets with Capacity from 125 kVA to 800 kW in the U.T of Puducherry in compliance with Hon'ble NGT New Delhi, order in O.A 681 of 2018 dated 06.08.2019 – Reg.**

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In compliance with the Hon'ble NGT order in O.A. No. 681 of 2018 dated 06.08.2019, all the D.G sets of 125 kVA to 800 kW operating in U.T of Puducherry has directed to retrofit the emission control devices / equipment's in the existing D.G sets and in new D.G sets for control of emission and shall also comply with the Guidelines prescribed by the Central Pollution Control Board (CPCB) for the same.

All the concerned officials of the DSTE and PPCC are hereby instructed to enforce the orders in your area of jurisdiction and comply with the Direction of the Hon'ble NGT in reducing the air pollution.

This is issued with the approval of the Competent authority.

  
(Dr. N. RAMESH)  
Member Secretary  
PPCC

Encl: A copy of the direction on Retrofitting of Emission Control Devices/Equipment in DG sets with Capacity of 125 kVA to 800 kW in the U.T of Puducherry.

To  
All the officials concerned.

Copy to:  
Standing Guard File.

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**DIRECTION**

**Sub: PPCC - Retrofitting of Emission Control Devices/Equipment in DG sets with Capacity of 125 KVA to 800 KW in the U.T of Puducherry.**

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Whereas, Ministry of Environment, Forest & Climate Change (MoEF&CC), the Government of India, has launched the **National Clean Air Programme (NCAP)** for improvement of ambient air quality in the Country. It is recognized that major sources of air pollution are automobiles, DG sets and construction dust etc.

Whereas, the Government of India envisaged a national level target of 30% reduction of **PM<sub>2.5</sub>** and **PM<sub>10</sub>** concentration in the ambient air under the National Clean Air Programme (NCAP). The Hon'ble NGT vide order dated 06.08.2019 in O.A.No.681/2018 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 that the air pollution caused by DG sets needs to be a part of the action plans, which require retrofitting of Emission Control Devices / Equipment on generators already in use".

The Hon'ble National Green Tribunal (NGT) had directed for reduction of Particulate Matters (PM) emitted by in-use diesel operated power generating sets. The Hon'ble National Green Tribunal (NGT) directed Central Pollution Control Board (CPCB) to develop and evolve the standards and norms for use of Retrofitted Emission Control Equipment or Devices (RECD) and

Accordingly, CPCB formulated procedure for certification of the RECD namely "System and procedures for emission compliance testing of RECD for in-use diesel power generating set engines up to gross mechanical power of 800 KW" on 01.02.2022. This is with the objective for reduction of Particulate Matters (PM) by using Retrofitted Emission Control Devices (RECDs) for in-use diesel operated internal combustion engines upto 800 kW or 1000 kVA. The details of compliance and testing procedures developed by CPCB is available in the website [https://cpcb.nic.in/uploads/RECD\\_Procedure\\_Revised.pdf](https://cpcb.nic.in/uploads/RECD_Procedure_Revised.pdf) and the same may be referred to,

The CPCB for the purpose of type approval and conformity of production verification compliance process, approved the following four testing agencies:

- 1 Automotive Research Association of India (ARAI Pune)
- 2 International Centre for Automotive Testing (ICAT, Manesar)
- 3 Indian Institute of Petroleum (IIP, Dehradun)
- 4 Vehicle Research Development Establishment (VRDE, Ahmed Nagar)

Hence, all Industries, Establishments, Projects, Buildings, Utilities, Airports, Railway Stations or any other places operating DG sets of capacity from 125 KVA to 800 kW, within the jurisdiction of the U.T. of Puducherry, are directed under section 5 of Environment (Protection) Act, 1986

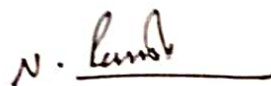
- 1) To obtain consent to establishment from the PPCC as applicable and to follow the guidelines prescribed by the CPCB.
- 2) Retrofit all operational DG sets of capacity 125 kVA to 800 KW with an Emission Control Device/Equipment having a minimum specified Particulate Matter capturing efficiency of atleast 70% tested as per 5 mode D2 cycle specified in ISO-8178 part 4. For diesel power generating set engines, the emission control device has to be type approved as per CPCB system and procedure for emission compliance Testing of Retro-fit Emission Control Devices (RECDs).

(or)

- 3) Shift to gas-based generators by deploying new gas-based generators or retrofit the existing DG sets for partial gas usage.

This is to be complied within a period of one year from the date of issuance of this direction. The receipt of the direction shall be acknowledged within one week of the receipt of the direction.

//By Order of the Chairman, PPCC//



(Dr. N. RAMESH)

Member Secretary,

Puducherry Pollution Control Committee

To  
All concerned Industries, Establishments and Organizations.

Copy to:  
Standing Guard File.