



**ANDHRA PRADESH POLLUTION CONTROL BOARD**  
D.No.33-26-14D/2, Near Sunrise Hospital, Pushpa Hotel Centre,  
Chalamalavari Street, Kasturibaipet, Vijayawada - 520 010  
Phone. No.0866-2463200, Website : <https://pcb.ap.gov.in/>

**Order No: APPCB/NGT /681 of 2018/ DG SETS/HO/2020**

**05/11/2020**

**Sub:-**APPCB - Retrofitting of Emission Control Devices/Equipment in DG sets with a capacity of 125 kVA and above in the state of Andhra Pradesh - Orders - Issued - reg.

**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 Honorable National Green Tribunal, Original Application No. 681/2018.

**Whereas,** the Government of India, MoEF&CC has launched the National Clean Air Programme for the prevention, control and abatement of air pollution level in the country at an urban and regional level. The Government of India recognizes significant sources of air pollution such as vehicles, DG sets, construction dust etc. As per the National Clean Air Programme, Gol, Diesel Generators are a significant source of air pollution in Indian cities and states.

**Whereas,** there is a plan for the national level target of 30% reduction of  $PM_{2.5}$  and  $PM_{10}$  concentration in the ambient air under the National Clean Air Programme, Government of India, wherein the Honourable 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 the adverse effect on public health and in view of the 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 may require retrofitting of Emission Control Devices/Equipment on generators already in use.

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

1. Retrofit all operational DG sets of capacity 125 kVA and above with an Emission Control Device/Equipment having a minimum specified Particulate Matter capturing efficiency of atleast 70% tested as per 5 mode D2 cycle. The Emission Control Device/Equipment must be tested over a ISO-8178 5 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:

- 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. Shift to gas based Generators by employing new gas based generators

This is to be complied with within 120 days from the date of issuance of this order by all stakeholders.

It is therefore enjoined upon all establishments within the jurisdiction of Andhra Pradesh, which is operating DG sets of 125 kVA and above, complying with the directions in the stipulated time period, 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.

VIVEK