



TAMILNADU POLLUTION CONTROL BOARD



Notification No. TNPCB/Labs/DD(L)/02151/2019
Date: 10.6.2020.

ORDER

Subject: TNPCB- Retrofitting of Emission Control Devices/Equipment in DG sets with Capacity of 125 KVA and above in the State of Tamil Nadu.

Whereas, the Government of Tamil Nadu, Environment & Forest Department in its G.O.Ms.No.4, EC, dated 28.09.1983, had declared the entire area within the State of Tamil Nadu as Air Pollution Control Area for the purpose of Air (Prevention and Control of Pollution) Act, 1981 as amended

“Whereas, in the state of Tamil Nadu, Thoothukudi and Trichy Cities have been identified as Non-attainment Cities which do not meet the standard prescribed air quality norms and an action plan for improving ambient air quality in the above said Non Attainment cities viz **Thoothukudi and Trichy Towns** have been prepared as per the directions date:08-10-2018 of Hon'ble NGT in the case titled as “*NCAP with multiple timelines to clean air in 102 cities to be released around August 15*” with Dr. Gautam Ghosh applicant(s) V/s of West Bengal & Ors. in O.A. 681 of 2018.

Whereas, the emission including **Particulate Matter** due to operation of Gen Sets have also been identified as one of the sources of air pollution in both the Non-attainment Cities, as per approved action plan submitted by the Government of Tamil Nadu to the Central Pollution Control board, for control of pollution in Thoothukudi and Trichy Towns.

Whereas, the Government of India, MoEF&CC has launched the 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. The Government of India, recognizes major sources of air pollution such as vehicles, DG sets, construction dust etc. As per National Clean Air Programme (NCAP), Government of India, Diesel Generator sets as a major source of air pollution in Indian cities and states.

Whereas, there is a plan for national level target of **30%** reduction of **PM_{2.5}** and **PM₁₀** concentration in the ambient air under the National Clean Air Programme (NCAP), Govt. of India, wherein 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, 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

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 KVA and above, within the jurisdiction of the state of Tamil Nadu, are hereby directed to:

I) 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 at least 70% in 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)

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

This is to be complied with within a period of 120 days from the date of issuance of this order by all stake holders.

It is therefore, enjoined upon all the Industries and the establishments within the jurisdiction of the State of Tamil Nadu operating DG sets of **125 KVA** and above, to comply with the above said directions in the stipulated time period, failing which action as warranted under the provisions of Environment (Protection) Act, 1986 and Air (Prevention and Control of Pollution) Act, 1981 shall be initiated.

The receipt of the Notification shall be acknowledged within one week of the receipt of the direction.

Issued with the approval of Competent Authority.

(Sd)/A.V.Venkatachalam,I,F.S
Chairman

//Forwarded By Order//

V. Thodur
Deputy Director (Labs)