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KERALA STATE POLLUTION CONTROL BOARD

കേരളസംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്

Pattom P.O., Thiruvananthapuram – 695 004

പട്ടം പി.ഒ., തിരുവനന്തപുരം - 695 004

PCB/HO/SEE-3/TECH/82/2019

ORDER

DATE: 09/12/2020

**Subject : Kerala PCB - Retrofitting of Emission Control Devices/Equipment
in DG sets with Capacity of 500 KVA and above in the State of Kerala**
**Ref : Para 7.5.3 of NCAP (National Clean Air Programme) Report of
Ministry of Environment Forest & Climate Change dated 31.12.2018.**

Whereas, the Government of Kerala, Environment Department vide notification dated 21/12/1983, had declared the entire area within the State of Kerala as Air Pollution Control Area under the Air (Prevention and Control of Pollution) Act, 1981 as amended.

Whereas, action plan for improving ambient air quality in the Non Attainment cities needs to be 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 D.G sets have also been identified as one of the sources of air pollution.

Whereas, the Government of India, MoEF & CC has launched 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) of Government of India, Diesel Generator sets are a major source of air pollution in Indian cities and states.

Whereas, there is 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), 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 breath clean air.

Whereas, 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 of generators already in use" and

Whereas, in para 7.5.3 of the NCAP report, one of the Action Point (point no.7) is to retrofit all operational DG sets with an Emission Control Device / Equipment having a minimum specified Particulate Matter capturing efficiency of at least of 70% or shift to gas based DG sets by employing new gas based generators or retrofitting the existing DG sets for partial gas usage.

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 500 KVA and above, within the jurisdiction of the State of Kerala, are hereby directed to:

I) Retrofit all operational DG sets of capacity 500 KVA and above with an Emission Control Device / Equipment having a minimum specified Particulate Matter capturing efficiency of at least of 70% in 5 mode D2 cycle. The Emission Control Device / Equipment must be tested over an ISO-8178 5 mode D2 cycle for equivalent KVA rating by any 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, Ahemednagar (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 Kerala operating DG sets of 500 KVA and above, to comply with the above said directions in the stipulated time period of 120 days from the date of issuance of this order 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.

09.12.2020

-sd-
CHAIRMAN

To:

All units in Kerala using DG sets of capacity 500KVA or more.

Copy to:

1. The Chief Environmental Engineer, Regional Office
Trivandrum/Ernakulam/Kozhikode
 2. The Senior Environmental Engineer
Environmental Surveillance Centre, Eloor
 3. The Environmental Engineer, District Office
Trivandrum/ Kollam/ Alappuzha/ Pathanamthitta/ Kottayam/ Ernakulam-1/ Ernakulam-2/
Idukki/ Thrissur/ Palakkad/ Malappuram/ Kozhikode/ Kannur/ Wayanad/ Kasargode
- } - For necessary action
- For necessary action

Copy To:

1. All Technical Staff
2. IT Cell(for uploading in Boards website)
3. CA to CHN and MS

Forwarded by order

ALEXANDER GEORGE Digitally signed by ALEXANDER
GEORGE
Date: 2020.12.09 15:32:37 +05'30'

Senior Environmental Engineer-3