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**Gujarat Pollution Control Board,
Head Office, "Paryavaran Bhavan"
Sector: 10-A, Gandhinagar**

Circular

Subject: Retrofitting of emission control devices/equipment in DG Sets with capacity of 125 KVA and above in State of Gujarat-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 Hon'ble National Green Tribunal, Original Application No. 681/2018.

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), 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 PM10 & PM2.5 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 need 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 functions of the Board under section 17 (1) J read and exercise of power vested with the Board under 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 Gujarat, are hereby directed to:

1. Retrofit all operational DG sets of capacity **125 KVA and above with an Emission Control Device I 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 as per ISO-8178-5 (Reciprocating International Combustion Engines-Exhaust Emission measurement Part-5: Test Fuels) 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 Petroleum, Dehradun (Uttarakhand); or
 - e) Vehicle Research Development Establishment, Ahmednagar (Maharashtra)

(or)

2. 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 compiled within a period of 120 days from the date of issuance of this order by all stakeholders.

It is therefore, enforced upon all the industries and the establishments within the jurisdiction of the State of Gujarat 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 circular shall be acknowledged within fifteen days of the receipt of the direction.



(A V SHAH)

MEMBER SECRETARY

No: GPCB/Air Action-03 (1)(E)/599145

Date: 27 AUG 2021

To,

1. Hon'ble Additional Chief Secretary, Forest and Environment Department
2. PS-Chairman
3. All Unit Heads, GPCB
4. All Regional Officers, GPCB
5. Website- GPCB