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ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ  
**Karnataka State Pollution Control Board**

“ಪರಿಸರ ಭವನ”, 1 ರಿಂದ 5ನೇ ಮಹಡಿಗಳು, ನಂ. 49, ಚರ್ಚ್ ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು - 560 001, ಕರ್ನಾಟಕ ರಾಜ್ಯ, ಭಾರತ  
“Parisara Bhavan”, 1st to 5th Floor, # 49, Church Street, Bangalore - 560,001, Karnataka State, India  
No. KSPCB/SEO-INFRA/DG-RETROFITTING/2021-22/ 2887 Date: 17 SEP 2021

**ORDER**

ರವಾನಿಸಲಾಗಿದೆ

**Sub: Mandatory** Retrofitting of Emission Control Devices/Equipment to DG sets with Capacity of 125 KVA and above in the State of Karnataka.

Ref: 1) Honourable NGT Directions in OA 681/2018 dated. 6.8.2019  
2) Standing Committee Directions to the Honourable Chief Minister dated. 20.8.2020

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Whereas, the particulate matter emissions due to operation of DG Sets have also been identified as one of the major sources of emissions in the National Clean Air Programme and by the Honourable National Green Tribunal in the Original Application No. 681/2018, as shown vide ref.1,

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, recognized 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 found to be one of the major source of air pollution in Indian cities and states.

Whereas, there is a plan for 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) of Govt of India. 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. The Honourable NGT has further stated, that the air pollution caused by DG sets needs to be a part of the action plan, which may, if necessary, require retrofitting of Emission Control Devices / Equipment on generators under existence already.

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,

Establishments, Projects, Buildings, Utilities, Airports, Railway Stations or any other places operating DG sets of capacity 125 KVA and above, within the jurisdiction of the state of Karnataka, 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 at least 70% in 5 mode D2 cycle and also should result in the increase of fuel efficiency. 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)

1) 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.

The above order will come with an immediate effect for all the DG Sets of 125 KVA and above within 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.

  
Member Secretary

To

- 1) All CEOs/SEOs/ZSEOs/Ros for information and to strictly follow above.
- 2) The President and Chairman (Environment) KASSIA to circulate the directions among the industries
- 3) The President, Peenya Industries Association, 18/B Peenya Trade Centre, 1st Cross Rd, Peenya 1st Stage, Peenya, Bengaluru, Karnataka 560058, to circulate the directions among the industries
- 4) The President, CREDAI, 6th Floor, 607, Barton Centre, Near-Lawrence & Mayo, Mahatma Gandhi Road, Bengaluru, Karnataka 560001, to circulate the directions among the industries.

5) Office Copy.