



## KERALA STATE POLLUTION CONTROL BOARD

കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്

Pattom P.O., Thiruvananthapuram - 695 004

പട്ടം പി.ഒ., തിരുവനന്തപുരം - 695 004

PCB/HO/SEE-3/TECH/09/2019

Date: 10/11/2020

### CIRCULAR

Sub:- Distance criteria for multiple DG sets- reg

In order to finalize distance criteria in units where multiple DG sets are installed, sound level monitoring was conducted at field level in certain units with individual as well as combined DG sets in operation. Accordingly, from the monitoring data it could be understood that there is increase in noise level when the noise from the second DG set is added to that from the first and this increase in noise is less than 5dB(A). However when the distance of measurement is more, the increase in noise lessens. Eventhough chances of using DG sets simultaneously are less, there is a general need to minimize the number of diesel generators as they contribute to air and noise pollution.

Hence, the distance criteria for multiple DG sets is specified as follows:

"The minimum distance from all the DG sets to the nearest residence/institution shall not be less than  $\sqrt{(kVA/2)}$ , where kVA (kilo volt ampere) is the value of the highest capacity DG set".

This circular shall come into effect from the date of issue.

Sd/-  
CHAIRMAN

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,  
Thiruvananthapuram, Kollam, Pathanamthitta, Alapuzha, Idukki, Kottayam,  
Ernakulam-1, Ernakulam-2, Thrissur, Palakkad, Malappuram, Kozhikode, Kannur,  
Wayanad, Kasargod.

Copy to:-

- 1) All Technical Staff in HO
- 2) IT Cell (for uploading in the website)
- 3) C.A to CHN & MS

FORWARDED/BY ORDER

ALEXANDER GEORGE

Digitally signed by ALEXANDER  
GEORGE

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SENIOR ENVIRONMENTAL ENGINEER - 3