

LIST OF MANUFACTURERS OF DIESEL ENGINES (UPTO 800 KW) WHO HAVE OBTAINED TYPE APPROVAL / CONFORMITY OF PRODUCTION VERIFICATION CERTIFICATES (COP) FOR ENGINE EMISSION COMPLIANCE

- As per general condition 2 of the Govt. Of India notification GSR 771 (E), dated 11.12.2013 and its amendments, at serial number 95, every manufacturer of engine or product, as the case may be, shall have valid certificate(s) of Type Approval and COP for each COP year for all engine models being manufactured or for all engine or product models being imported, after the effective date for the emission limits, as specified and the COP for the genset sold on or after 1st July, 2014.
- The list of manufacturers of Diesel Gensets (upto 800 KW) who have obtained Conformity of Production Verification for **Emission Compliance** is given below.

COP Year: 1st July of a calendar year to 30th June of the succeeding calendar year

Notified Standard

Power Category	Emission Limits (g/kW-hr)			Smoke Limit (light absorption coefficient, m ⁻¹)
	NOx+HC	CO	PM	
Upto 19 kW	≤ 7.5	≤ 3.5	≤ 0.3	≤ 0.7
More than 19 kW upto 75 kW	≤ 4.7	≤ 3.5	≤ 0.3	≤ 0.7
More than 75 kW upto 800 kW	≤ 4.0	≤ 3.5	≤ 0.2	≤ 0.7

Notes:

1. The abbreviations used in the Table shall mean as under: NO_x – Oxides of Nitrogen; HC – Hydrocarbon; CO – Carbon Monoxide; and PM – Particulate Matter.
2. Smoke shall not exceed above value throughout the operating load points of the test cycle.
3. The testing shall be done as per D2 – 5 mode cycle of ISO: 8178- Part 4.
4. The above mentioned emission limits shall be applicable for Type Approval and Conformity of Production (COP) carried out by authorized agencies.
5. Every manufacturer, importer or, assembler (hereinafter referred to as manufacturer) of the diesel engine (hereinafter referred to as 'engine') for genset application manufactured or imported into India or, diesel genset (hereinafter referred to as 'product'), assembled or imported into India shall obtain Type Approval and comply with COP of their product(s) for the emission limits which shall be valid for the next COP year or, the date of implementation of the revised norms specified above, whichever earlier.
Explanation - The term 'COP year' means the period from 1st July of a calendar year to 30th June of the following year.
6. Stack height (in metres), for genset shall be governed as per Central Pollution Control Board (CPCB) guidelines.

Certification Agency

1. **Automotive Research Association of India (ARAI)**
2. **International Centre for Automotive Technologies(ICAT)**
3. **Vehicle Research Development Establishment (VRDE)**

For Type Approval and COP data click any of the above