

**EMISSION STANDARDS FOR NEW GENERATOR SETS (UPTO 19 KILOWATT) RUN
ON PETROL AND KEROSENE**

(The Emission Standards for New Generator Sets (upto 19 Kilo Watt) run on Petrol and Kerosene were notified by the Environment (Protection) (Second Amendment) Rules, 1999, vide G.S.R. 682 (E), dated 5th, October, 1999 at serial no. 88, and as amended by GSR 280(E) dated 11th April 2008 under the Environment (Protection) Act, 1986.)

Emission standards for new generator sets (upto 19 kilowatt) run on petrol and kerosene with implementation schedule.

The emission standards for portable generator sets run on petrol and kerosene shall be as follows:-

A. From June 1, 2000

Class	Displacement (CC)	CO (g/kw-hr)		HC+NOx(g/kw-hr)	
		2- Stroke engine	4-Stroke engine	2- Stroke engine	4-Stroke engine
1	≤ 65	603	623	166	65
2	> 65 ≤ 99	-	623	-	36
3	>99 ≤ 225	-	623	-	19.3
4	> 225	-	623	-	16.1

B. From June 1, 2001

Class	Displacement (CC)	CO (g/kw-hr)	HC+NOx(g/kw-hr)
1	≤ 65	519	54
2	> 65 ≤ 99	519	30
3	>99 ≤ 225	519	16.1
4	> 225	519	13.4

- C. Test method shall be as specified in SAE J 1088. Measurement mode shall be D1 Cycle specified under ISO 8178
(Weighting Factor of 0.3 for 100% load, 0.5 for 75% load and 0.2 for 50% load)

Following organizations shall test and certify the generator sets:-

- (i) Automotive Research Association of India, Pune
- (ii) Indian Institute of Petroleum, Dehradun
- (iii) Indian Oil Corporation (R & D Centre), Faridabad
- (iv) Vehicle Research Development Establishment, Ahmednagar
- (v) International Centre for Automotive Technology, Manesar (Haryana)

These organizations shall submit the testing and certification details to the Central Pollution Control Board, annually. The Central Pollution Control Board may send the experts in the field to oversee the testing.