

## Environmental Standards

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### Emission

#### ENVIRONMENTAL STANDARDS FOR GAS / NAPHTHA BASED THERMAL POWER PLANTS

- (i) Limit for emission of NO<sub>x</sub>
  - (a) For existing units 150 ppm (v/v) at 15% excess oxygen.
  - (b) For new units with effect from 1-6-99.

<b>Total generation of gas turbine</b>	<b>Limit for Stack NO<sub>x</sub> emission (v/v), at 15% excess oxygen)</b>
(a) 400 MW and above	(i) 50 ppm for the units burning natural gas. (ii) 100 ppm for the units burning naphtha
(b) Less than 400 MW but upto 100 MW	(i) 75 ppm for the units burning natural gas (ii) 100 ppm for the units burning naphtha
(c) Less than 100 MW	100 ppm for units burning natural gas or naphtha as fuel
(d) For the plants burning gas in a conventional boiler.	100 ppm

- (ii) Stack height H in m should be calculated using the formula  $H = 14 Q^{0.3}$ , where Q is the emission of SO<sub>2</sub> in kg/hr, subject to a minimum of 30 mts.

**Source : EPA Notification  
[GSR 7, dt. Dec. 22, 1998]**

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