



India

The Indian Central Pollution Control Board (CPCB, <http://www.cpcb.nic.in/>), a division of the Ministry of Environment, Forest and Climate Change, sets national ambient air quality standards under authority conferred by the *Air (Prevention and Control of Pollution Act, 1981* (amended in 1987). This Act (<http://envfor.nic.in/division/air-pollution>) is concerned with the prevention, control and abatement of air pollution. The *Environment (Protection) Act* (no. 29 of 1986, 23 May 1986, and various amendments) (<http://envfor.nic.in/division/environment-protection>) enables emission limit values to be set for thermal power plants. The latest emission limits for coal-fired power plants set by the Ministry of Environment, Forest and Climate Change and dated 7 December 2015, were published in the Gazette of India: Extraordinary, Part II, Section 3(ii), no.2620, 8 December 2015 (see <http://www.cpcb.nic.in/Industry-Specific-Standards/Effluent/TPP.pdf>). The air emission limits for existing and new thermal power plants are given in the following table. Water consumption limits were also set, and these are given in the second table.

Emission limits for thermal power plants

Capacity	Plants installed before 31 December 2003*		Plants installed 1 January 2004 to 31 December 2016*		New plants installed from 1 January 2017**
	Smaller than 500 MW	500 MW and above	Smaller than 500 MW	500 MW and above	
Particulate matter, mg/Nm ³	100	100	50	50	30
SO ₂ , mg/Nm ³	600	200	600	200	100
NO _x , mg/Nm ³	600	600	300	300	100
Mercury, mg/Nm ³	-	0.03	0.03	0.03	0.03

* Thermal power plants (units) must to meet the limits within two years from date of publication of this notification

** Includes all thermal power plants (units) which have been accorded environmental clearance and are under construction

Water consumption limits for thermal power plants

Limit, m ³ /MWh	Existing plants		New plants installed after 1 January 2017
	With once-through cooling shall install cooling tower	With cooling towers	
	3.5 (within 2 years from date of publication of this notification)	3.5 (within 2 years from date of publication of this notification)	2.5 (and achieve zero waste water discharge)

This paper reflects the IEA CCC understanding of the relevant legislation and is not a substitute for the official version. The IEA CCC does not guarantee the accuracy of the data included in this paper and accepts no responsibility for any consequences of their use.

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