

List Of Thermal Power Plants In India

Vindhyachal Thermal Power Station-Madhya Pradesh

The Vindhyachal Thermal Power Station is the biggest thermal power plant in India. It is located in the Singrauli district of Madhya Pradesh. It is a coal-based power plant owned and operated by NTPC with an installed capacity of 4,760MW. The plant uses coal from the NCL-operated Nigahi mine and water from the discharge canal of Singrauli Super Thermal Power Station. The turbine manufacturers for the Vindhyachal Thermal Power Station include Russian companies LMZ, Electrosila and the Indian BHEL.

The Construction of the plant was started in 1982. It is comprised 12 generating units in which six are of 210MW units and the rest six are of 500MW units. Its first unit was authorized in 1987 whereas the second unit of 500MW was commissioned in April 2013.

Mundra Thermal Power Station-Gujarat

The 4,620MW Mundra Thermal Power Station located is the second biggest operating thermal power plant in India. It is situated in the Kutch district of Gujarat. This station is a coal-fired power plant. Adani Power is the owner and operator of the station. It comprises of nine generating units (four 330MW units and five 660MW units).

The first 330MW unit was commissioned in May 2009 and the last 660MW unit of the plant commissioned in March 2012. Indonesia is the exporter of this coal used for the power plant. The plant's water source is the seawater from the Gulf of Kutch. The boilers and generators for the first four units were supplied by Babcock & Wilcox and **Beijing Beizhong** respectively.

Tiroda Thermal Power Plant, Maharashtra

Tiroda thermal power plant is located in Tiroda district, Maharashtra. It is a 3,300MW coal-based power generation plant in Maharashtra. Adani Power Maharashtra Ltd is the owner and operator of this power plant. State-of-the-art supercritical technology is used in this power plant and it draws water from the Wainganga River for its operations. This power plant consists of five 660MW units. The first unit of the power plant was authorized in August 2012, while the last unit commenced operations in October 2014. The total area of this power plant is 454.86ha and is equipped with advanced pollution control equipment, including a 275m-high chimney, a dust extraction and suppression system, and low NOx burners.

Talcher Super Thermal Power Station, Odisha

The Talcher Super Thermal Power Station is situated in the **Angul district of Odisha**. It is a 3,000MW coal-fired power plant owned and operated by NTPC. It consists of six 500MW units. The first unit of the plant was commissioned in February 1995 and the last unit began operations in February 2005. ABB and BHEL are the Turbine manufacturers for the plant. **Lingraj Block of Talcher Coal Field** is supplier of coal for this plant. The water for this plant is sourced from **the Samal Barrage Reservoir** on the Brahmani River in Odisha.

Rihand Thermal Power Station, Uttar Pradesh

Rihand Thermal Power Station is situated at Rihandnagar, Sonbhadra district, Uttar Pradesh. This coal-fired power plant has an installed capacity of 3,000MW. The owner and operator of this power plant is NTPC. The plant consists of six units generating 500MW each. The first unit was commissioned in March 1988 while the sixth unit was commissioned in October 2013. Amlori, Amloric expansion, and the Dudhichua mines in Madhya Pradesh is the supplier of the Coal for the Rihand thermal power station. Rihand Reservoir built on Son River is the source of water for this power plant. It supplies electricity to states like Delhi, Punjab, Haryana, Uttar Pradesh, Rajasthan, Himachal Pradesh, Jammu & Kashmir, and Chandigarh.

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The following table gives a list of major thermal plants in India, state-wise:

STATE	THERMAL POWER PLANT
Madhya Pradesh	Amarkantak Thermal Power Plant
	Satpura Thermal Power Plant
	Sanjay Gandhi, Birsinghpur Thermal Power Plant
	Shri Singaji Thermal Power Station Dongalia
	Vindhyachal Thermal Power Station
	Singrauli Super Thermal Power Station
Maharashtra	Amravati Thermal Power plant
	Chandrapur Thermal Power plant
	Khaperkheda Thermal Power plant
	Tiroda Thermal Power plant
	Chandrapur Thermal Power plant
	Solapur Super Thermal Power Station
	Mauda Super Thermal Power Plant
Uttar Pradesh	Anpara Thermal Power plant
	Dadri Thermal Power plant
	Feroz Gandhi Unchahar Thermal Power plant
	National Capital Thermal Power plant
	Obra Thermal Power plant
	Rihand Super Thermal Power plant
	Rosa Thermal Power plant
Bihar	Barauni Thermal Power Station
	Patratu Thermal Power Station
	Khalgaon Super Thermal Power Project
Karnataka	Raichur Thermal Power station
	Bellary Thermal Power station
	Yermarus Thermal Power Station
	Udupi Thermal Power plant
Chhattisgarh	Sipat Thermal Power Plant
	Lara Super Thermal Power Plant
	Korba Thermal Power Plant
	Bhilai Thermal Power Plant
Jharkhand	Bokaro Thermal Power plant
	Patratu Thermal Power plant
Rajasthan	Chhabra Thermal Power plant

	Kalisindh Thermal Power plant
	Kota Thermal Power plant
	Suratgarh Super Thermal Power Plant
	Barsingsar Thermal Power Station
	Anta Thermal Power Station
	Ramgarh Gas Thermal Power Station
West Bengal	Durgapur Thermal Power plant
	Farakka Thermal Power plant
	Mejia Thermal Power Station
	Kolaghat Thermal Power Station
	Bakreshwar Thermal Power Station
	Durgapur Steel Thermal Power Station
	Budge Budge Thermal Power Plant
	Sagardighi Thermal Power Station
Tamil Nadu	Ennore Thermal Power plant
	Mettur Thermal Power plant
	Neyveli Thermal Power Station
	Tuticorin Thermal Power Station
	IND Barath Thermal Power Plant
Gujarat	Gandhinagar Thermal Power plant
	Mudra Thermal Power plant
	Sikka Thermal Power plant
	Ukai Thermal Power plant
	Wanakbori Thermal Power plant
	Akrimota Thermal Power Station
	Kutch Lignite Thermal Power Station
	Sabarmati Thermal Power Station
Odisha	Hirakud Captive Thermal Power plant
	Jharsuguda Thermal Power plant
	Talcher Thermal Power plant
Andhra Pradesh	Ramagundam Thermal Power plant
	Simhadri Thermal Power plant
Assam	Namrup Thermal Power Plant