



## Thermal Power Plants (Coal, Gas, Oil)

### 1. Vindhyachal Thermal Power Station

- **Type:** Coal
- **Capacity:** 4,760 MW
- **Generation Voltage Level:** 400 kV
- **Owned By:** NTPC Limited
- **Location:** Singrauli, Madhya Pradesh

### 2. Mundra Thermal Power Station

- **Type:** Coal
- **Capacity:** 4,620 MW
- **Generation Voltage Level:** 400 kV
- **Owned By:** Adani Power
- **Location:** Mundra, Gujarat

### 3. Talcher Super Thermal Power Station

- **Type:** Coal
- **Capacity:** 3,000 MW
- **Generation Voltage Level:** 400 kV
- **Owned By:** NTPC Limited
- **Location:** Talcher, Odisha

### 4. Ramagundam Super Thermal Power Station

- **Type:** Coal
- **Capacity:** 2,600 MW
- **Generation Voltage Level:** 400 kV
- **Owned By:** NTPC Limited
- **Location:** Ramagundam, Telangana

### 5. Dabhol Power Plant

- **Type:** Gas
- **Capacity:** 1,967 MW
- **Generation Voltage Level:** 400 kV
- **Owned By:** Ratnagiri Gas and Power Private Limited (RGPPL)
- **Location:** Ratnagiri, Maharashtra

### 6. Kayamkulam Thermal Power Plant

- **Type:** Gas
- **Capacity:** 359.58 MW
- **Generation Voltage Level:** 220 kV
- **Owned By:** NTPC Limited
- **Location:** Kayamkulam, Kerala

## Hydroelectric Power Plants

### 1. Tehri Dam

- **Type:** Hydroelectric
- **Capacity:** 1,000 MW
- **Generation Voltage Level:** 400 kV
- **Owned By:** THDC India Limited
- **Location:** Tehri, Uttarakhand

### 2. Sardar Sarovar Dam

- **Type:** Hydroelectric

- **Capacity:** 1,450 MW
- **Generation Voltage Level:** 400 kV
- **Owned By:** Sardar Sarovar Narmada Nigam Limited (SSNNL)
- **Location:** Kevadia, Gujarat

### 3. Bhakra Nangal Dam

- **Type:** Hydroelectric
- **Capacity:** 1,325 MW
- **Generation Voltage Level:** 220 kV
- **Owned By:** Bhakra Beas Management Board (BBMB)
- **Location:** Himachal Pradesh and Punjab

## Nuclear Power Plants

### 1. Kudankulam Nuclear Power Plant

- **Type:** Nuclear
- **Capacity:** 2,000 MW (2 x 1,000 MW)
- **Generation Voltage Level:** 400 kV
- **Owned By:** Nuclear Power Corporation of India Limited (NPCIL)
- **Location:** Kudankulam, Tamil Nadu

### 2. Tarapur Atomic Power Station

- **Type:** Nuclear
- **Capacity:** 1,400 MW (2 x 540 MW, 2 x 160 MW)
- **Generation Voltage Level:** 220 kV
- **Owned By:** NPCIL
- **Location:** Tarapur, Maharashtra

### 3. Kaiga Atomic Power Station

- **Type:** Nuclear
- **Capacity:** 880 MW (4 x 220 MW)
- **Generation Voltage Level:** 220 kV
- **Owned By:** NPCIL
- **Location:** Kaiga, Karnataka

## Renewable Energy (Solar, Wind)

### 1. Bhadla Solar Park

- **Type:** Solar
- **Capacity:** 2,245 MW
- **Generation Voltage Level:** 400 kV
- **Owned By:** Various developers (NTPC, ACME Solar, etc.)
- **Location:** Bhadla, Rajasthan

### 2. Pavagada Solar Park

- **Type:** Solar
- **Capacity:** 2,050 MW
- **Generation Voltage Level:** 400 kV
- **Owned By:** Karnataka Solar Power Development Corporation Limited (KSPDCL)
- **Location:** Pavagada, Karnataka

### 3. Muppandal Wind Farm

- **Type:** Wind
- **Capacity:** 1,500 MW
- **Generation Voltage Level:** 220 kV



- **Owned By:** Various private companies
- **Location:** Muppandal, Tamil Nadu

#### 4. Jaisalmer Wind Park

- **Type:** Wind
- **Capacity:** 1,064 MW
- **Generation Voltage Level:** 220 kV
- **Owned By:** Suzlon Energy
- **Location:** Jaisalmer, Rajasthan



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