

Examrace

Wind Power in India, Jawahar Lal Nehru National Solar Mission, Jaitapur Nuclear Project

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Wind Power in India

Wind power in India is a relatively new sector with its development beginning only in the 1990s. India has the fifth largest installed wind power capacity in the world. As of October 2009, the installed capacity of wind power in India was 10,925 MW. It accounts for about 6 pc of India's total installed power capacity and it generated 1.6 pc of country's power. Major states: TN, Maharashtra, Gujarat, Karnataka, Rajasthan, MP, Kerala, WB. Muppandal wind farm in TN (Kanyakumari Distt) is the largest in Asia.

Jawahar Lal Nehru National Solar Mission

Launched: 2010

Salient features:

1. To create an enabling policy framework for deployment of 20000 MW of grid solar power by 2022.
2. To ramp up capacity of grid connected power generation to 1100 MW by 2013 with active support from state governments.
3. NTPC Vidyut Vyapar Nigam (NVVN) to purchase solar power from 1000 MW grid connected plants by 2013.
4. NVVN to bundle solar power with un-allocated thermal power and sell bundled power to utilities
5. Both solar photovoltaic as well as solar thermal technologies being promoted.
6. Compliance to international quality norms and standards
7. Encourage domestic manufacturing
8. Excise and custom duty concessions.

Jaitapur Nuclear Project

This nuclear project is to come up at Madban village of Ratnagiri district, Maharashtra. There were protests against the project by the locals and the environmentalists as it is located in the ecologically sensitive coastal region. It is a 9900 MWe project. It involves setting up six units of 1650 MWe capacity each. French giant Areva will collaborate in the project.

Global Centre for Nuclear Energy Partnership

To be established in Bahadurgarh, Haryana. At centre is aimed at strengthening India's cooperation with the international community in the areas of advanced nuclear energy systems, nuclear security etc. It will be open to international participation through academic exchanges, training and research and development efforts

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