

## DEPARTMENT OF ATOMIC ENERGY HIGHLIGHTS OF LAST ONE YEAR

New Delhi: November 23,2005

One 540 MWe PHWR unit at Tarapur achieved criticality on March 6, 2005 and is expected to be commissioned ahead of schedule. This is the first 540 MWe nuclear power plant of the country built with indigenous technology.

- A total of 1300 MWe capacity is planned to be added during the Xth Plan and 5915 MWe in the Xith Plan.
- First 500 MWe Fast Breeder Reactor (FBR) at Kalpakkam in Tamil Nadu launched.
- On the front of nuclear agriculture, new seed varieties like Trombay Groundnut and Soyabean variety have been released for commercial cultivation.
- MOUs have been signed up in the Eastern Region with 13 entrepreneurs for multi-product irradiators. Five private sector commercial Gamma Irradiation Plants have also been set in August 2004.
- Initiatives have been taken in the areas of both urban and rural waste management. Six new hygenised sludge plants have been set up, which provides high quality manure for use in agriculture and methane for use as fuel.
- To give impetus to health services, Dr. B. Barooah Cancer Institute (BBCI), Guwahati and Dr. B.K. Walavalker Hospital, Dervan, have been linked through satellite based telemedicine network.
- To provide safe drinking water and desalination of water, a potable water based production center –Reverse Osmosis (RO) is operational in Kalpakkam. Also RO technology has been transferred to seven agencies for producing drinking water for villages.
- For better linkages and co-operation among scientific Institutions and Universities a number of programmes have been initiated like UGC-DAE consortium for scientific research and National Initiative on undergraduate Science (NIUs) etc.

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