

**GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA**

UNSTARRED QUESTION NO:2292
ANSWERED ON:29.08.2007
NUCLEAR POWER CAPACITY
Tripathy Shri Braja Kishore

Will the Minister of ATOMIC ENERGY be pleased to state:

- (a) the details of present nuclear power capacity in commercial operation in the country, unit-wise;
- (b) the details of targets achieved during the 10th Plan, 11th Plan and Current Plan period;
- (c) whether the Government has taken any steps to ensure that there is a sustained and timely supply of nuclear fuel and other materials for the operation of nuclear power plants; and
- (d) if so, the details in this regard?

Answer

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI PRITHVIRAJ CHAVAN)

(a) Current nuclear power capacity in the country is 4120 MWe. The details are:

Unit-Location	Reactor Type	Present Capacity (MWe)	Date of Commercial Operation
TAPS-1 Tarapur, Maharashtra	BWR	160	28-Oct-1969
TAPS-2 Tarapur, Maharashtra	BWR	160	28-Oct-1969
RAPS-1 Rawatbhata, Rajasthan	PHWR	100	16-Dec-1973
RAPS-2 Rawatbhata, Rajasthan	PHWR	200	01-Apr-1981
MAPS-1 Kalpakkam, Tamilnadu	PHWR	220	27-Jan-1984
MAPS-2 Kalpakkam, Tamilnadu	PHWR	220	21-Mar-1986
NAPS-1 Narora, Uttar Pradesh	PHWR	220	01-Jan-1991
NAPS-2 Narora, Uttar Pradesh	PHWR	220	01-Jul-1992
KAPS-1 Kakrapar, Gujarat	PHWR	220	06-May-1993
KAPS-2 Kakrapar, Gujarat	PHWR	220	01-Sep-1995
KAIGA-2, Kaiga, Karnataka	PHWR	220	16-Mar-2000
RAPS-3 Rawatbhata, Rajasthan	PHWR	220	01-Jun-2000
KAIGA-1 Kaiga, Karnataka	PHWR	220	16-Nov-2000
RAPS-4 Rawatbhata, Rajasthan	PHWR	220	23-Dec-2000
TAPS-4 Tarapur, Maharashtra	PHWR	540	12-Sep-2005
TAPS-3 Tarapur, Maharashtra	PHWR	540	18-Aug-2006
KAIGA-3 Kaiga, Karnataka	PHWR	220	06-May-2007
Total		4120	

(b) The capacity added in X plan was 1180 MWe as compared to target of 1300 MWe. 220 MWe capacity was added on 12.04.2007; that is with a spill over of X Plan period by about 2 weeks. The actual generation in the X Plan was 90,354 Million Units (MUs) against the target of 82,495 MUs.

The targets for generation and capacity addition in the XI Plan are 1,63,395 MUs and 3160 MWe respectively.

Construction work is going on in full swing at RAPP-5&6 (2x220 MWe), Kaiga-4 (220 MWe), Kudankulam-1&2 (2x1000 MWe) and PFBR (500 MWe) projects. With the completion of these projects in the XI Plan, capacity addition target will be achieved.

(c) Yes, Sir.

(d) With the commissioning of new Uranium processing mill at Turamdih and opening of new mines, augmentation of fuel supply to the nuclear power plants is ensured. No constraints are foreseen in respect of other materials referred in question. With these measures in place, the generation target for XI Plan shall be met.