GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA

UNSTARRED QUESTION NO:1603
ANSWERED ON:10.12.2008
GENERATION OF ATOMIC ENERGY
Mahtab Shri Bhartruhari;Surendran Shri Chengara

Will the Minister of ATOMIC ENERGY be pleased to state:

(a) the details of the atomic energy plants in the country and the quantum of atomic energy generated from each of these plants during the last three years and the current year;

(b) whether the Government has made any perspective planning for augmenting the generation of atomic energy in the country; and

(c) if so, the details thereof alongwith the efforts made by the Government to make the country self-sufficient in this regard?

Answer

THE MINISTER OF STATE IN THE PRIME MINISTER`S OFFICE AND MINISTRY OF PERSONNEL,PUBLIC GRIEVANCES AND PENSIONS(SHRI PRITHVIRAJ CHAVAN)

(a) The details of the atomic energy plants in the country are as follows.

S.No	Unit-Location	Reactor Type	Present Capacity(MWe)	Date of commencing commercial operation
1	TAPS-1 Tarapur,Maharashtra	BWR	160	28-Oct-1969
2	TAPS-2 Tarapur,Maharashtra	BWR	160	28-Oct-1969
3	RAPS-1 Rawatbhata,Rajasthan	PHWR	100	16-Dec-1973
4	RAPS-2 Rawatbhata,Rajasthan	PHWR	200	01-Apr-1981
5	MAPS-1 Kalpakkam,Tamilnadu	PHWR	220	27-Jan-1984
6	MAPS-2 Kalpakkam,Tamilnadu	PHWR	220	21-Mar-1986
7	NAPS-1 Narora,Uttar Pradesh	PHWR	220	01-Jan-1991

8 NAPS-2 Narora,Uttar Pradesh PHWR 220 01-Jul-1992

9 KAPS-1 Kakrapar,Gujarat PHWR 220 06-May-1993

10 KAPS-2 Kakrapar,Gujarat PHWR 220 01-Sep-1995

11 KGS-2 Kaiga,Karnataka PHWR 220 16-Mar-2000

12 RAPS-3 Rawatbhata,Rajasthan PHWR 220 01-Jun-2000

13 KGS-1 Kaiga,Karnataka PHWR 220 16-Nov-2000

14 RAPS-4 Rawatbhata,Rajasthan PHWR 220 23-Dec-2000

15 TAPS-4 Tarapur,Maharashtra PHWR 220 12-Sep-2005

16 TAPS-3 Tarapur,Maharashtra PHWR 220 18-Aug-2006

17 KGS-3 Kaiga,Karnataka PHWR 220 06-May-2007

Total 4120

The electricity generated through nuclear power plants during the last three years and the current year is given below :-

Station 2005-06 2006-07 2007-08 2008-09 Till Nov.2008

Generation in Million Units

TAPS-1 & 2 1657 2603 2551 1632

TAPS-3 & 4 2010 3898 4789 2551

RAPS-2 1401 1202 327 0

RAPS-3 & 4 3039 2466 2341 1603

MAPS-1 & 2 1852 2622 1749 1033

NAPS-1 & 2 2138 1024 674 598

KAPS-1 & 2 2367 2446 2030 991

KGS-1 & 2 2860 2541 2085 1543

KGS-3 - - 410 426

Total 17324 18802 16956 10376

BWR - Boiling Water Reactor PHWR - Pressurised Heavy Water Reactor

TAPS - Tarapur Atomic Power Station

RAPS - Rajasthan Atomic Power Station

MAPS - Madras Atomic Power Station

NAPS - Narora Atomic Power Station

KGS - Kaiga Generating Station

KAPS - Kakrapar Atomic Power Station

(b) Yes, Sir.

(c) With a view to utilize indigenous resources for nuclear power generation, a long term three stage programme is being implemented. The first stage has reached maturity. Fast Breeder Reactor of 500 MWe capacity of the second stage is under construction. Research and Development activities for the third stage have also been taken up. The present installed nuclear power capacity of 4120 MWe is expected to reach 7280 MWe by the end of XI Plan with the progressive completion of projects under construction.