

**GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA**

UNSTARRED QUESTION NO:2186

ANSWERED ON:07.12.2005

SETTING UP OF NEW NUCLEAR POWER PLANTS

Aaron Rashid Shri J.M.;Adhalrao Patil Shri Shivaji;Adsul Shri Anandrao Vithoba;Baxla Shri Joachim;Khan Shri Sunil;Mandal Shri Sanat Kumar;Reddy Shri Karunakara G.;Surendran Shri Chengara

Will the Minister of ATOMIC ENERGY be pleased to state:

:

- (a) whether the Union Government has cleared four locations for setting up additional nuclear plants;
- (b) if so, the details thereof locationwise;
- (c) the quantum of additional energy planned to be produced by each of them;
- (d) the total quantity of electricity generated through Heavy Water Reactors and Light Water Reactors so far, separately ;
- (e) whether electricity generated through nuclear power plants is cost effective and has benefits over other sources of energy; and
- (f) if so, the details thereof alongwith the steps taken to augment harnessing of atomic energy?

Answer

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

(a) Yes, Sir.

(b) The Government have accorded in-principle approval for the setting up nuclear power plants at the following sites:

Kudankulam-Tamil Nadu Kakrapar-Gujarat Rawatbhata-Rajasthan Jaitapur -Maharashtra

(c) Detailed Project Reports for individual projects, based on the in principle approval of the Government of India, are under preparation. However, the sites now approved by the Government of India are for a cumulative capacity of 6800 MWe.

(d) The current capacity of 3360 MWe (15 reactors) consists of 3040 MWe

(13 reactors) from Heavy Water Reactors and 320 MWe (2 reactors) Light Water Reactors. The Light Water Reactors (LWRs) (2 numbers) are in commercial operation since the year 1969. The Heavy Water Reactors HWRs have entered commercial operation from the year 1973 to 2005 progressively.

The total electricity generation so far has been 181 Billion units (BUs) from HWRs and 70 BUs from LWRs.

(e)&(f) Yes Sir. The nuclear power is competitive at locations away from coal mines. The existing nuclear power capacity of 3360 MWe(15 reactors) will be increased to 7280 MWe with the completion of projects under construction.