

(a) whether it is a fact that the site selection committee of the Nuclear Power Corporation has selected a site for setting up a new atomic energy project near Mahi Bajaj Sagar dam in Banswada;

(b) if so, the work done in this regard by Government till date, the details thereof; and

(c) by when this project will be completed?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE
(SHRI V. NARAYANASAMY): (a) Yes, Sir.

(b) The government has accorded 'in principle' approval for locating four units of indigenous 700 MW Pressurised Heavy Water Reactors at the site. The pre-project activities and the process of land acquisition have been initiated.

(c) The units at the site are planned in two phases, each of 2×700 MW with a gap of about four years. The start of work on two units of the first phase is planned in the 12th Five Year Plan, with expected completion in the 13th Five Year Plan/early part of 14th Five Year Plan.

Location of nuclear power plants

†2948. SHRI MAHENDRA SINGH MAHRA: Will the PRIME MINISTER be pleased to state:

(a) the details of the places in the country where nuclear power plants have been established and are to be established;

(b) the countries with whose co-operation or through which these plants have been/are to be established; and

(c) the percentage of fuel available in the country and the percentage of fuel imported for these plants along with the name of the countries?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE
(SHRI V. NARAYANASAMY): (a) and (b) The details in respect of nuclear power reactors already established and proposed to be established in the country are given below:

†Original notice of the question was received in Hindi.

Location & State	Units	Capacity MW	Country in cooperation with which established/ to be established
1	2	3	4
In operation			
Tarapur, Maharashtra	TAPS-1&2	2×160	USA
	TAPS-3&4	2×540	Indigenous
Rawatbhata, Rajasthan	*RAPS-1&2	100+200	Canada
	RAPS-3&4	2×220	Indigenous
	RAPP-5&6	2×220	
Kalpakkam, Tamil Nadu	MAPS- 1&2	2×220	Indigenous
Narora, Uttar Pradesh	NAPS-1&2	2×220	Indigenous
Kakrapar, Gujarat	KAPS-1&2	2×220	Indigenous
Kaiga, Karnataka	KAIGA-1&2	2×220	Indigenous
	KAIGA-3&4	2×220	
Under Construction			
Rawatbhata, Rajasthan	RAPP 7&8	2×700	Indigenous
Kalpakkam, Tamil Nadu	PFBR	500	Indigenous
Kakrapar, Gujarat	KAPP 3&4	2×700	Indigenous
Kudankulam, Tamil Nadu	KK 1&2	2×1000	Russian Federation
Planned			
Jaitapur, Maharashtra	Units 1 to 6	6×1650	France
Kowada, Andhra Pradesh	Units 1 to 6	6×1500	USA
Chhaya Mithi Viridi, Gujarat	Units 1 to 6	6×1100	USA

1	2	3	4
Haripur, West Bengal	Units 1 to 6	6×1000	Russian Federation
Kalpakkam, Tamil Nadu	FBR Units 1&2	2×500	Indigenous
Kaiga, Karnataka	Units 5 & 6	2×700	Indigenous
Kudankulam, Tamil Nadu	KK Units 3 to 6	4×1000	Russian Federation
Gorakhpur, Haryana	Units 1 to 4	4×700	
Chutka, Madhya Pradesh	Units 1 & 2	2×700	
Mahi Banswara, Rajasthan	Units 1 to 4	4×700	Indigenous
Bhimpur, Madhya Pradesh	Units 1 to 4	4×700	
Location not decided	AHWR	1×300	

* RAPS-1- Under extended shutdown

(c) Of the 19 operating reactors, 9 reactors are under International Atomic Energy Agency (IAEA) Safeguards and use imported uranium. The remaining 10 reactors are fuelled by indigenous uranium. The uranium for the nuclear power reactors under IAEA safeguards is imported from Russian Federation, Kazakhstan and France. The reactors planned to be built with indigenous technology and placed under IAEA safeguards and those set up in technical cooperation with foreign countries would be fuelled with imported uranium.

Nuclear power plants in the Twelfth Plan

2949. DR. T. SUBBARAMI REDDY: Will the PRIME MINISTER be pleased to state:

- (a) whether Government proposes to set up new nuclear power plants in the country during the Twelfth Plan period;
- (b) if so, the details along with the proposed locations thereof;
- (c) the status of work at the various nuclear power reactors which are under construction; and
- (d) the year in which construction started at these sites and the time by which they are likely to be made operational?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI V. NARAYANASAMY): (a) Yes, Sir.

(b) The details on project on which work is planned to be started in the Twelfth Five year Plan are given below: