GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 1822
TO BE ANSWERED ON 13.02.2019

ATOMIC POWER PLANTS

1822. ADV. JOICE GEORGE:

Will the PRIME MINISTER be pleased to state:

(a) whether the Government is planning to establish atomic power plants to fulfil the energy demands, if so, the details thereof;

(b) the list of shortlisted places for the purpose;

(c) the number of atomic power plants across the country till date, State-wise;

(d) whether any radiation hazards are reported / expected around these plants; and

(e) if so, the details thereof and the steps taken to address these concerns?

ANSWER

THE MINISTER OF STATE FOR PERSONNEL, PUBLIC GRIEVANCES & PENSIONS AND PRIME MINISTER'S OFFICE (DR.JITENDRA SINGH):

(a)&(b) Yes Sir. The present installed nuclear power capacity in the country comprises of 22 reactors with an installed capacity of 6780 MW. In addition, nine reactors with a capacity of 6700 MW are under construction. The details are as follows:

Location & State	Project	Capacity (MW)
Kakrapar, Gujarat	KAPP-3&4	2 x 700
Rawatbhata, Rajasthan	RAPP-7&8	2 X 700
Gorakhpur, Haryana	GHAVP-1&2	2 X 700
Kudankulam, Tamil Nadu	KKNPP– 3&4	2 X 1000
Kalpakkam, Tamil Nadu	*PFBR*	*500*

Also, the Government has accorded administrative approval and financial sanction for setting up 12 more reactors with a capacity of 9000 MW. The details are:

Location & State	Project	Capacity(MW)
Chutka, Madhya Pradesh	Chutka -1&2	2 X 700
Kaiga, Karnataka	Kaiga - 5&6	2 X 700
Mahi Banswara, Rajasthan	Mahi Banswara - 1&2	2 X 700
Gorakhpur, Haryana	GHAVP - 3&4	2 X 700
Mahi Banswara, Rajasthan	Mahi Banswara - 3&4	2 X 700
Kudankulam, Tamil Nadu	KKNPP 5&6	2 X 1000

On progressive completion of the projects under construction and accorded sanction, the installed nuclear power capacity will reach 22480 MW by 2031.

The Government has also accorded 'in principle' approval of the following sites for setting up nuclear power plants in future:

Location & State	Site	Capacity (MW)
Jaitapur, Maharashtra	Jaitapur, Units- 1 to 6	6 x 1650
Kovvada, Andhra Pradesh	Kovvada, Units- 1 to 6	6 x 1208
Chhaya Mithi Virdi, Gujarat	Chhaya Mithi Virdi, Units- 1 to 6	6 x 1000*
Haripur, West Bengal	Haripur, Units – 1 to 6	6 x 1000*
Bhimpur, Madhya Pradesh	Bhimpur, Units- 1 to 4	4 X 700

**Nominal Capacity*

(c) At present installed nuclear power capacity in the country comprises of 22 reactors, located in the states of Maharashtra (4 nos.), Rajasthan (6 nos), Tamil Nadu (4 nos.), Karnataka (4 nos), Gujarat (2 nos) and Uttar Pradesh (2 nos.).

(d) No, Sir. No radiation hazards are reported / expected around atomic power plants. Atomic Power Plants are designed and operated to ensure that the releases from them to the environment will not cause any additional risk/health effect to public. Environmental Survey Laboratory (ESL) is established at each Atomic Power Plant to regularly monitor various environmental matrices. Data on environmental radiation levels in different matrices is assessed by ESL on regular basis for compliance with regulatory limits stipulated by Atomic Energy Regulatory Board (AERB).

(e) Does not arise in view of (d) above.

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