

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO.8
TO BE ANSWERED ON 22.11.2012

SAFETY STANDARDS IN PROPOSED NUCLEAR POWER PLANTS

8. SHRI PARIMAL NATHWANI :

Will the PRIME MINISTER be pleased to state:

- (a) how many new nuclear power stations are under construction/or under planning in the country other than Kudankulam, the details thereof;
- (b) how do we compare safety standards of our installations with those of International nuclear power plants, the details thereof; and
- (c) how far these plants take into consideration the local environmental issues?

ANSWER

THE MINISTER OF STATE FOR PERSONNEL, PUBLIC GRIEVANCES & PENSIONS AND PRIME MINISTER'S OFFICE (SHRI V. NARAYANASAMY) :

- (a) There are five nuclear power reactors under construction apart from Kudankulam Units 1&2. the details are:

Project	Location & State	Capacity (MW)
Prototype Fast Breeder Reactor	Kalpakkam, Tamil Nadu	500
Kakrapar Atomic Power Plant Units 3&4	Kakrapar, Gujarat	2X 700
Rajasthan Atomic Power Plant Units 7&8	Rawatbhata, Rajasthan	2X 700

The XII Five Year Plan proposals envisage start of work on 19 nuclear power reactors with a capacity of 17400 MW. The details are :-

Project	Location	Reactor Type	Capacity (MW)
Indigenous Reactors			
Gorakhpur, Units 1&2	Gorakhpur, Haryana	PHWR	2X700
Chutka , Units 1&2	Chutka, Madhya Pradesh	PHWR	2X700
Kaiga , Units 5&6	Kaiga, Karnataka	PHWR	2X700
Mahi Banswara, Units 1&2	Mahi Banswara, Rajasthan	PHWR	2X700
Fast Breeder Reactor Units 1&2	Kalpakkam, Tamil Nadu	FBR	2X500
Advanced Heavy Water Reactor	Site to be decided	AHWR	300
LWRS with International cooperation			
Kudankulam Units 3&4	Kudankulam, Tamil Nadu	LWR	2X1000
Jaitapur Units 1&2	Jaitapur, Maharashtra	LWR	2X1650
Chhaya Mithi Viridi Units 1&2	Chhaya Mithi Viridi, Gujarat	LWR	2X1100
Kovvadda Units 1&2	Kovvada, Andhra Pradesh	LWR	2X1500

- (b) The Safety standards of our reactors are comparable to the best in the world and in line with the International Atomic Energy Agency standards.
- (c) The nuclear power plants are set up only after obtaining environmental clearance from the Ministry of Environment and Forests (MoEF), the process for which involves comprehensive Environmental Impact Assessment Studies in line with the Terms of Reference finalised by the Expert Appraisal Committee of the MoEF.