

**GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA**

UNSTARRED QUESTION NO:390

ANSWERED ON:23.11.2011

SETTING UP OF NUCLEAR POWER PLANTS

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Will the Minister of ATOMIC ENERGY be pleased to state:

- (a) whether the Government proposes to set up new nuclear power plants in the country during the remaining period of the XIth and the XIIth Plans;
- (b) if so, the details alongwith 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?

Answer

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

(a) & (b) The construction work for Kudankulam Unit 1 and Unit 2 is nearly complete. Unit 1 is expected to be commissioned during the current XI Five Year plan, while unit 2 is expected to be commissioned in the first year of the next XII Five Year plan period. New projects of 2800 MW capacity, comprising Kakrapar Atomic Power Project (KAPP), Units-3&4 (2 x 700 MW) and Rajasthan Atomic Power Project (RAPP), Units-7&8 (2 x 700 MW) have been launched in the XI Plan. No new projects are planned for launch in the remaining period of this plan. Start of work on new nuclear power project and pre-project activities are planned in the XII Plan as per the following details:

| Project | Location | Capacity (MW) |
|---------|----------|---------------|
|---------|----------|---------------|

| | | |
|-------------------------|-----------------------------|----------|
| Gorakhpur 1&2 | Gorakhpur, Haryana | 2 x 700 |
| Chutka, 1&2 | Chutka, Madhya Pradesh | 2 x 700 |
| Mahi Banswara, 1&2 | Mahi Banswara, Rajasthan | 2 x 700 |
| Kaiga, 5&6 | Kaiga, Karnataka | 2 x 700 |
| Kudankulam, 3&4 | Kudankulam, Tamilnadu | 2 x 1000 |
| Jaitapur, 1&2 | Jaitapur, Maharashtra | 2 x 1650 |
| Kovvada, 1&2 | Kovvada, Andhra Pradesh | 2 x 1500 |
| Chhaya Mithi Virdi, 1&2 | Chhaya Mithi Virdi, Gujarat | 2 x 1100 |
| FBR 1&2 | Kalpakkam, Tamilnadu | 2 x 500 |
| AHWR | Location to be decided | 300 |

In addition, pre-project activities are planned at Bhimpur in Madhya Pradesh and Haripur in West Bengal.

(c) Seven nuclear power reactors with a capacity of 5300 MWe are under construction. Of these KKNPP, Units-1&2 (2x1000 MWe) at Kudankulam, Tamilnadu are at advanced stage of commissioning. Unit-1 of Kudankulam is expected to be completed towards end of 2011-12 and Unit-2 in 2012-13. Prototype Fast Breeder Reactor (PFBR 500 MW) at Kalpakkam in Tamilnadu is at advanced stage of construction and is expected to attain mechanical completion in 2013-14 and start generation in 2015. Civil construction is in progress in KAPP, Units-3&4 (2 x 700 MW) at Kakrapar in Gujarat and RAPP, Units-7&8 (2 x 700 MW) at Rawatbhata in Rajasthan. The major equipment and works packages for these projects have been ordered.

(d) The Details are as follows:

| Project | Location | Work started | Expected completion |
|--------------------------|----------|--------------|---------------------|
| (First pour of concrete) | | | |

| | | | |
|-----------|-----------------------|----------------|---------|
| KKNPP 1&2 | Kudankulam, Tamilnadu | March 30, 2002 | 2011-12 |
|-----------|-----------------------|----------------|---------|

PFBR Kudankulam, October 23,2004 2013-14
Tamilnadu

KAPP 3&4 Kakrapar, November 22,2010 2015-16
Gujarat

RAPP 7&8 Rawatbhata, July 18,2011 2016-17
Rajasthan