

**GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA**

UNSTARRED QUESTION NO:1670
ANSWERED ON:03.12.2014
GENERATION OF POWER THROUGH NUCLEAR ENERGY SOURCES
Lakhanpal Shri Raghav

Will the Minister of ATOMIC ENERGY be pleased to state:

- (a) whether the Government has prepared a roadmap to generate power through nuclear energy sources;
- (b) if so, the details thereof and the steps being taken in this regard;
- (c) whether the Government has consulted various stakeholders for providing assistance to this sector;
- (d) if so, the details thereof; and
- (e) the suggestions received by the Government in this regard?

Answer

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

- (a) Yes Sir.
- (b) Current status:

The present installed nuclear power capacity is 4780 MW comprising twenty reactors. In addition, the unit -1 (1000 MW) of Kudankulam Nuclear Power Project (KKNPP-1) at Kudankulam, Tamil Nadu was connected to the grid in October 2013 and reached full power on June 07, 2014 as a part of its commissioning activities. The KKNPP-2 (1000 MW) is currently under commissioning.

In addition, the following reactors are under construction:

| Units | Location | Capacity (MW) |
|----------|-----------------------|---------------|
| KAPP 3&4 | Kakrapar, Gujarat | 2 x 700 |
| RAPP 7&8 | Rawatbhata, Rajasthan | 2 x 700 |
| PFBR | Kalpakkam, Tamil Nadu | 500 |

On progressive completion of nuclear power reactors under commissioning and construction currently, 5300 MW will be added to the existing capacity, taking the total installed nuclear power capacity to 10,080 MW by the year 2018-19.

Future Plans/ Road Map:

The XII Five Year Plan proposals envisage start of work on 19 new nuclear power reactors with a total capacity of 17,400 MW. Currently, pre-project activities are in various stages. The details along with current status are enclosed at annexure-1. These reactors are scheduled for progressive completion in the XIII / XIV Five Year Plans.

More nuclear power projects based on both indigenous technologies and with foreign technical cooperation are planned in future (beyond XII Five Year Plan). With the progressive increase in nuclear power generation capacity the share of nuclear power in the overall electricity generation in the country is expected to grow gradually.

- (c) Yes Sir.
- (d) A close coordination with the respective State Governments for land acquisition, Rehabilitation and Resettlement of Project Affected Persons, Ministry of Environment, Forest and Climate Change (MoEF and CC) for environment and Coastal Regulation Zone (CRZ) clearance (in respect of coastal sites) and other regulatory bodies, is maintained. In addition, public outreach activities through structured public awareness campaigns in simple and local language are already undertaken at and around the nuclear power project sites essentially to spread awareness about various aspects of nuclear power including safety, Radiation etc.
- (e) Suggestions with regard to enhancing public outreach activities and awareness programmes have been received. The Public outreach activity is an ongoing process and the efforts to enhance these activities are continuing.

