

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO - 2881**  
ANSWERED ON 05/08/2026

**GENERATION OF NUCLEAR ENERGY**

2881. SHRI ANIL YESHWANT DESAI

Will the PRIME MINISTER be pleased to state:-

- (a) whether in view of energy crises due to Middle East war situation, the Government has initiated any projects in the country to enhance generation of nuclear energy and if so, the details thereof;
- (b) the details of sites planned for development of nuclear energy in the country and estimated period for completion of the said projects in various States;
- (c) whether these projects are promoting the use of indigenous technology and local resources and if so, the details thereof;
- (d) whether there is any concern expressed by the local populations about the safety of the proposed project and if so, the details thereof; and
- (e) whether the Government is implementing any new safety measures or guidelines to ensure the secure use of nuclear energy and if so, the details thereof?

**ANSWER**

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

- (a) The Government has announced an ambitious Nuclear Energy Mission for Viksit Bharat with a target of reaching a nuclear power capacity of 100 GW by 2047. Nuclear Power Projects are having a Project/ Construction period of 10-12 years. No specific Nuclear Power Projects have been sanctioned after the Middle East conflict.
- (b) & (c) The details of Nuclear Power Projects under various stages of implementation and those planned are tabulated in Annexure.
- (d) & (e) There have been apprehensions in a section of the people at few sites, about safety of the site & plant, issues related to Rehabilitation, and fears of loss of traditional means of livelihood like fishing and horticulture. The apprehensions have been addressed through public awareness programmes adopting a multipronged approach in a credible manner. Highest priority is accorded to safety in all aspects of nuclear power viz. siting, design, construction, commissioning, and operation. Further, safety is not static and improvements/ upgrades are effected in nuclear power plants based on evolving global standards, events and operating experience feedback.

## Annexure

| Nuclear Power Projects under Construction/ Commissioning |                     |               |                                                                                                                        |                                |
|----------------------------------------------------------|---------------------|---------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Location & State                                         | Project             | Capacity (MW) | Expected Completion Date/ Status                                                                                       | Indigenous/ Foreign Technology |
| Rawatbhata, Rajasthan                                    | RAPP-8              | 1 X 700       | Unit-8 is in advanced stage of commissioning (expected to be operational in 2026).                                     | Indigenous                     |
| Gorakhpur, Haryana                                       | GHAVP 1&2           | 2 X 700       | Completion of construction and commissioning is expected to be completed in about 6 years from First Pour of Concrete. | Indigenous                     |
| Kudankulam, Tamilnadu                                    | KKNPP-3&4           | 2 X 1000      | June-2027/ June-2028                                                                                                   | Foreign Technology             |
|                                                          | KKNPP-5&6           | 2 X 1000      | June-2029/ March-2030                                                                                                  | Foreign Technology             |
| Kalpakkam, Tamilnadu                                     | PFBR                | 1 X 500       | Attained criticality on 06.04.2026                                                                                     | Indigenous                     |
| Kaiga, Karnataka                                         | KAIGA-5&6           | 2 X 700       | June-2031/ June-2032                                                                                                   | Indigenous                     |
| Projects Under Pre-project Activities                    |                     |               |                                                                                                                        |                                |
| Gorakhpur, Haryana                                       | GHAVP– 3&4          | 2 X 700       | Projects Under Pre-project activities are expected to be completed progressively by 2031/ 32.                          | Indigenous                     |
| Chutka, Madhya Pradesh                                   | Chutka-1&2          | 2 X 700       |                                                                                                                        | Indigenous                     |
| Mahi Banswara, Rajasthan                                 | Mahi Banswara- 1&2  | 2 X 700       |                                                                                                                        | Indigenous                     |
|                                                          | Mahi Banswara 3&4   | 2 X 700       |                                                                                                                        | Indigenous                     |
| Kalpakkam, Tamilnadu                                     | FBR 1& 2            | 2 X 500       |                                                                                                                        | Indigenous                     |
| Planned Nuclear Power Projects/ Sites                    |                     |               |                                                                                                                        |                                |
| Rawatbhata, Rajasthan                                    | RAPP-9&10           | 2 X 700       | Proposed Nuclear Power Projects                                                                                        | Indigenous                     |
| Kakrapar, Gujarat                                        | KAPP-5&6            | 2 X 700       |                                                                                                                        | Indigenous                     |
| Narora, Uttar Pradesh                                    | NAPP-3&4            | 2 X 700       |                                                                                                                        | Indigenous                     |
| Jaitapur, Maharashtra                                    | JNPP-1 to 6         | 6 X 1730      | In-Principle approved sites                                                                                            | Foreign Technology             |
| Kovvada, Andhra Pradesh                                  | Kovvada- 1 to 6     | 6 X 1208      |                                                                                                                        | Foreign Technology             |
| Haripur, West Bengal                                     | Haripur- 1 to 6     | 6 X 1000      |                                                                                                                        | Foreign Technology             |
| Mithi Virdi, Gujarat                                     | Mithi Virdi- 1 to 6 | 6 X 1000      |                                                                                                                        | Foreign Technology             |
| Bhimpur, Madhya Pradesh                                  | Bhimpur- 1 to 4     | 4 X 700       |                                                                                                                        | Indigenous                     |

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