

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO-2827**  
ANSWERED ON 06/08/2025

**OPERATIONAL NUCLEAR POWER PLANTS**

2827. DR. HEMANT VISHNU SAVARA  
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SHRI JANARDAN MISHRA

Will the PRIME MINISTER be pleased to state:-

- (a) the total number of nuclear power plants operational in the country and total capacity thereof;
- (b) the details of the projects which are under the various stages of construction;
- (c) the total installed capacity (in MW) which is envisaged to reach after the completion of the above projects;
- (d) whether it is a fact that the Tarapur Atomic Power Station in Palghar district in Maharashtra is facing operational challenges and delays, particularly with its reactors undergoing refurbishment and if so, the details thereof; and
- (e) the present status of the proposed nuclear power plant in Banswara district of Rajasthan along with the total capacity thereof?

**ANSWER**

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

- (a) Presently, the installed nuclear power capacity in the country comprises of 24 reactors with a total capacity of 8780 MW, excluding RAPS-1 (100 MW), which is under long term shut down. Among these 24 reactors, 4 nos. of reactors i.e., Tarapur Atomic Power Station Units-1&2 (2 x 160 MW), Madras Atomic Power Station Unit-1 (1x220 MW) and Kaiga Atomic Power Station Unit-1 (1x220 MW) are presently in project mode for carrying out refurbishment & upgradation activities and remaining 20 reactors are operational.

(b) The details are given below:

State	Location	Project	Capacity (MW)
<b>Projects Under Construction</b>			
Rajasthan	Rawatbhata	RAPP-8	1 X 700
Tamil Nadu	Kudankulam	KKNPP-3&4	2 X 1000
		KKNPP-5&6	2 X 1000
	Kalpakkam	PFBR <sup>&amp;</sup>	1 X 500
Haryana	Gorakhpur	GHAVP-1&2	2 X 700
<b>Projects Under Pre-Project Activities</b>			
Karnataka	Kaiga	Kaiga-5&6	2 X 700
Haryana	Gorakhpur	GHAVP- 3&4	2 X 700
Madhya Pradesh	Chutka	Chutka-1&2	2 X 700
Rajasthan	Mahi Banswara	Mahi Banswara-1&2*	2 X 700
		Mahi Banswara-3&4*	2 X 700

& Implemented by BHAVINI

\*Assigned to Anushakti Vidyut Nigam Limited (ASHVINI)

(c) With progressive completion of the projects under implementation, the installed nuclear power capacity is expected to reach 22,380 MW by 2032.

(d) There are four reactors Units-1&2 (2 x 160 MW) and Units-3&4 (2 x 540 MW) at Tarapur, Maharashtra. Presently, Units-3&4 are operating while Units-1&2 (2 x 160 MW) are undergoing refurbishment and upgradation. On completion of these activities Units-1&2, will be restarted in line with regulatory clearance.

(e) The Mahi Banswara Nuclear Power Project with a total capacity of 2800 MW comprises of Units 1&2 (2x700 MW) and Units 3&4 (2x700 MW). Land has been acquired, statutory environment clearance from MoEFCC and siting consent from AERB have been obtained. Presently, pre-project activities are in progress at the site.

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