GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
LOK SABHA
UNSTARRED QUESTION NO-6151
ANSWERED ON 01/04/2026
ENHANCEMENT OF NUCLEAR POWER CAPACITY

6151. SHRI KANWAR SINGH TANWAR

Will the PRIME MINISTER be pleased to state:-

(a) whether the Government has considered the strategic importance of developing 100GW of nuclear power capacity by the year 2047 to support the long-term energy strategy of ensuring affordable, reliable and low-carbon base-load power supply across the country ;
(b) if so, the details of collaborations made or proposed by the Government with international partners, public and private sector entities and research institutes with the objective of accelerating the development, deployment and indigenisation of nuclear technology; and
(c) the details of policy measures proposed by the Government to address the challenges related to financing requirements, workforce development and skill availability, safety and regulatory readiness and grid integration to support rapid and sustainable nuclear capacity addition ?

ANSWER

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

(a) Yes.

(b) NPCIL plans to contribute about half of the 100 GW nuclear power capacity by 2047 mainly by deploying its indigenously developed 700 MW Pressurised Heavy Water Reactors (PHWR) and Light Water Reactors (LWR) with foreign cooperation. In this context, four LWR units of 1000 MW each are under construction at Kudankulam, Tamil Nadu in cooperation with the Russian Federation. Discussions have also been taken up with designated French & US companies and respective Governments to arrive at viable project proposals. NPCIL is also collaborating with BARC to develop the Bharat Small Modular Reactors (BSMR).

(c) The Government has enacted the SHANTI Act to enable wider participation including by private players in nuclear generation. The Government has also drawn up a roadmap for reaching the 100 GW nuclear power capacity by 2047 as announced in the nuclear energy mission.

*****