

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
LOK SABHA
UNSTARRED QUESTION NO- 4310
ANSWERED ON 26/03/2025

NEW ATOMIC ENERGY PROJECTS IN TAMIL NADU

4310. THIRU DAYANIDHI MARAN

Will the PRIME MINISTER be pleased to state:-

- (a) the details of new atomic energy projects being planned or considered for Tamil Nadu;
- (b) the details of scope and objectives of these projects indicating the specific districts being considered for the said period;
- (c) the details of benefits these projects will accrue to the local economy and communities in Tamil Nadu;
- (d) the details of measures being taken to ensure minimal disruption to the immediate surroundings during the construction phase;
- (e) the details of steps taken to ensure safety standards during and after the construction of these new atomic energy plants; and
- (f) the manner in which the Government plans to engage with local communities and stake holders to gather feedback and address their concerns related to these projects?

ANSWER

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

(a) & (b) There are four nuclear power plants in operation [MAPS 1&2 (2X220MW) & KKNPP 1&2 (2X1000MW)] in the state of Tamil Nadu with a total capacity of 2440MW. In addition, BHAVINI is currently commissioning the indigenously developed 500 MWe Prototype Fast Breeder Reactor (PFBR) project at Kalpakkam in Chengalpattu District of Tamil Nadu. NPCIL is constructing four units KKNPP 3&4 (2x1000MW) and KKNPP 5&6 (2X1000 MW) at Kudankulam with a capacity of 4000 MW.

(c) During the construction of these projects, generation of direct & indirect employment and business opportunities in the neighbourhood is expected to enhance the livelihood of the local community.

(d) As the project site is already approved and no new land acquisition is needed for these projects, no disruption to the immediate surrounding is envisaged during the construction phase.

(e) Highest priority is accorded to safety in all aspects of nuclear power viz. siting, design, construction, commissioning and operation. Nuclear power plants are designed based on the paramount safety principles of defence in depth, Redundancy, Diversity and Fail-safe design features; thus, ensuring multiple barriers between the source of radioactivity and the environment. The operations are performed through well laid out procedures by highly qualified, trained & licensed personnel.

(f) Public safety concerns are regularly addressed through public awareness programmes in the neighbourhood.
