

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 2404**  
TO BE ANSWERED ON 24.03.2022

**CAPACITY OF BARC AND NPCIL**

2404 Dr. Kanimozhi NVN Somu:

Will the PRIME MINISTER be pleased to state:

- (a) whether the Bhaba Atomic Research Centre (BARC) and the power plants under the Nuclear Power Corporation of India Limited (NPCIL) have reached their maximum capacity generation and if so, the details thereof;
- (b) the total income generated during the last five years by the power plants and the power sharing pattern adopted in each power plant belonging to NPCIL;
- (c) the steps taken by Government to increase the capacity generation of nuclear power plants in the country especially in the State of Tamil Nadu; and
- (d) the total funds allocated and disbursed during the last five years in this regard?

**ANSWER**

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

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- (a) Yes, Sir. At present, out of the installed capacity of 6780 MW, RAPS-1 (100 MW) is under extended shutdown and TAPS 1&2 (2X160 MW) & MAPS-1 (220 MW) are under project mode. The remaining 6140 MW is operating at full capacity.
- (b) The detail of total income generated in the last five years by NPCIL's power plants is given below:

Years	2016-17	2017-18	2018-19	2019-20	2020-21
Revenue from operations, Rs. Crore	10003	12206	11528	12637	13335

The power from nuclear power stations is allocated by the Ministry of Power to beneficiary states and union territories from time to time

- (c) To enhance safety and operational performance of nuclear power stations including those located in Tamil Nadu, state of the art practices in line with the evolving global standards & operating experience and feedback from both in the country and the world have been adopted. This includes, predictive and preventive maintenance of equipment based on the health assessment; In-Service-Inspections and health assessment of various components and equipment using latest technology and tools; renovations and modernization; necessary upgrades; safety reviews by NPCIL, regulatory authority and international peer reviews; human performance enhancement through extensive training of personnel, etc. These ongoing efforts and measures taken have resulted in improved safety performance and capacity utilization.
- (d) The details of capital expenditure incurred on operating stations of Nuclear Power Corporation of India Limited (NPCIL) during the last five years are as follows:

Year	2016-17	2017-18	2018-19	2019-20	2020-21
Allocation (RE) (Rs. crore)	200	342	1067	721	1132
Capital Expenditure (Rs. crore)	93.78	230.67	741.03	688.25	439.81

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