

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO-1922
ANSWERED ON- 08/08/2024

STATISTICS ON NUCLEAR POWER GENERATION

1922. SMT. JEBI MATHER HISHAM

Will the PRIME MINISTER be pleased to state: -

- (a) the details of nuclear power generation during the last five years, power station-wise;
- (b) the nuclear power generation projections that were made when the Government came to power in May, 2014;
- (c) the total spending on nuclear power generation during the last five years; and
- (d) the details regarding as to when the country emerged from nuclear exile, getting access to foreign technology and raw materials for its civil program?

ANSWER

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

- (a) The plant-wise generation details are attached as Annexure.
- (b) In May 2014, the installed nuclear power capacity was 4780 MW and capacity under construction was 5300 MW. In addition, a capacity of 3400 MW had been accorded sanction in 2013-14. Based on the projections of schedules of their completion, the government had projected approximate three times of the then existing capacity over the next ten years. However, the Government accorded sanction for a large capacity of 9000 MW in 2017, with projection of reaching 22480 MW installed capacity by 2031-32.
- (c) The expenditure (CAPEX) on the nuclear power generation from 2019-20 to 2023-24 has been about ₹69,435 crore.
- (d) India emerged out of the international isolation regime in 2008, with the conclusion of India specific Safeguards Agreement with IAEA, clearance of the Nuclear Suppliers Group (NSG) and signing of Intergovernmental Agreements with several countries.

Annexure

Nuclear Power Plant	Electricity Generation (Million Units)				
	2019-20	2020-21	2021-22	2022-23	2023-24
TAPS-1	954	Unit under project mode			
TAPS-2	1234	341	Unit under project mode		
TAPS-3	3827	3877	3829	4636	4148
TAPS-4	4522	3669	4774	4349	3965
RAPS-2	1410	429	1453	733	1605
RAPS-3	1705	1699	1563	1024	Unit under project mode
RAPS-4	1688	1816	1723	1239	1701
RAPS-5	1946	1427	1869	1661	1986
RAPS-6	1703	2015	1702	1923	1768
MAPS-1	Unit under project mode				
MAPS-2	1843	1704	1089	1786	1592
NAPS-1	1900	1738	1828	1542	1521
NAPS-2	1891	1547	1753	1651	1353
KAPS-1	1467	1817	1852	1793	1967
KAPS-2	1962	1896	1652	1846	1708
KAPS-3	Unit under project mode				3932
KAPS-4	Unit under project mode				3
KAIGA-1	1841	1903	1607	1855	1643
KAIGA-2	1773	1592	1805	1687	1935
KAIGA-3	1838	1635	2059	2073	1918
KAIGA-4	1827	1964	2021	1829	2006
KKNPP-1	7115	5638	7009	7035	6656
KKNPP-2	4029	6323	7527	7191	6563
