

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                    |

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