

GOVERNMENT OF INDIA
MINISTRY OF POWER
RAJYA SABHA
STARRED QUESTION NO.200
ANSWERED ON 22.03.2022

PUBLIC AND PRIVATE INVESTMENT IN POWER SECTOR

200 SHRI K.R.N. RAJESHKUMAR:

Will the Minister of **POWER**
be pleased to state:

- (a) the amount of public and private investment made in the power sector during the Eleventh and Twelfth Plan periods;
- (b) whether any study has been conducted to assess the additional power requirement of the country during the next ten years;
- (c) if so, the details thereof along with the resources identified for the purpose; and
- (d) the steps proposed to be taken by Government to enhance public and private investment in the power sector to achieve the goal of round the clock supply of power to all?

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) to (d) : A Statement is laid on the Table of the House.

STATEMENT

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (d) OF STARRED QUESTION NO.200 ANSWERED IN THE RAJYA SABHA ON 22.03.2022 REGARDING PUBLIC AND PRIVATE INVESTMENT IN POWER SECTOR

(a): The amount of public and private investment made in the power sector (excluding renewable energy) during the Eleventh and Twelfth Plan periods is as under:-

(Rs. incrore)

Sector	Eleventh Plan	Twelfth Plan
Public	3,92,110	6,98,191
Private	3,01,370	4,42,588
Total	6,93,480	11,40,779

(b) & (c): Central Electricity Authority (CEA) conducts Electric Power Survey (EPS) of the country every five years for estimating the electricity demand of the country on medium and long term basis as obligated under Section 73(a) of the Electricity Act 2003. The 19th Electric Power Survey (EPS) report covers electricity demand projection for the year 2016-17 to 2026-27 as well as perspective electricity demand projection for the year 2031-32 and 2036-37 for the country. The estimated Electrical Energy Requirement and Peak Electricity Demand of the country for perspective years 2031-32 and 2036-37 are given below:

	2031-32	2036-37
Electrical Energy Requirement (in million units)	2530531	3049478
Peak Electricity Demand (MW)	370462	447702

In so far as the resources are concerned, thermal generation with a capacity of 28,460 MW, renewable generation (including large hydro) with a capacity of 72,606 MW and nuclear generation with a capacity of 15,700 MW are upcoming/under construction in the country. Further, Government of India has also set a target of achieving 500 GW of installed capacity based on non-fossil fuel by 2030.

(d) : Various initiatives have been taken by the Government to encourage public and private investment in the power sector. Some of the major initiatives are as under:

- Notification of Revised Tariff Policy on 28.01.2016 with various provisions to encourage private sector participation in generation as well as in transmission.
- Revamped Distribution Sector Scheme was launched in July 2021 to improve the operational efficiencies and financial sustainability of all DISCOMs/ Power Departments and is expected to spur investments in the power sector.
- In order to promote generation from renewable sources of energy and attract investments in this sector, Inter State Transmission System (ISTS) charges for transmission of the electricity generated from solar and wind projects have been waived up to 30.06.2025.
- 100% FDI through automatic route is allowed for projects of power generation (except atomic energy), transmission, distribution and trading.
- Generally, transmission projects are being developed through tariff based competitive bidding.
