

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.154
ANSWERED ON 25.11.2024

NATIONAL ELECTRICITY PLAN

154. SHRI ASHOKRAO SHANKARRAO CHAVAN:

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

- (a) whether Government has launched a National Electricity Plan (transmission) recently in the country;
- (b) if so, the details thereof and the salient features of the said plan;
- (c) the aims and objectives of the said plan;
- (d) the details of target set for laying new transmission lines under the said plan;
- (e) the details of total expenditure likely to be incurred on the laying of said transmission line; and
- (f) whether Government proposes to connect neighbouring countries with this line and if so, the details thereof?

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a) : Yes, the National Electricity Plan (Transmission) has been launched in October, 2024.

(b) & (d) : The National Electricity Plan (Transmission) covers the transmission plan till the year 2031-32. As per the Plan, 1,91,474 circuit kilometers (ckm) of transmission lines and 1274 Giga Volt Ampere (GVA) of transformation capacity would be added (at 220 kV and above voltage level) during the ten- year period from 2022-23 to 2031-32. In addition, 33.25 Giga Watts (GW) of High Voltage Direct Current (HVDC) bi-pole links are also planned. The inter-regional transmission capacity is planned to increase to 143 GW by the year 2026-27 and further to 168 GW by the year 2031-32, from the present level of 119 GW.

The Plan also highlights new technology options in transmission, cross-border interconnections and private sector participation in transmission.

(c) : As per Section 3 of the Electricity Act 2003, Central Electricity Authority (CEA) has been entrusted with the responsibility of preparing the National Electricity Plan (NEP) in accordance with the National Electricity Policy and to notify such plan once in five years.

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The National Electricity Plan (Transmission) covers the progress during the period 2017-18 to 2021-22, detailed transmission plan for the period 2022-23 to 2026-27, and perspective plan for the period 2027-28 to 2031-32.

The Transmission Plan provides visibility to the Electricity Generators, Equipment Manufacturers, Transmission Service Providers (TSP) and investors for the growth opportunities in Transmission Sector.

(e) : Total expenditure likely to be incurred on this plan is about Rs 9,16,142 Crores.

(f) : The National Electricity Plan (Transmission), inter-alia covers the existing, under implementation, and planned interconnections with neighbouring countries like Nepal, Bhutan, Myanmar, Bangladesh and Sri Lanka.
