

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.958
ANSWERED ON 08.12.2025

TRANSMISSION NETWORK IN RAJASTHAN

958 # SHRI RAJENDRA GEHLOT:

Will the Minister of POWER be pleased to state:

- (a) whether Government is strengthening the transmission network in the State of Rajasthan;
- (b) the number of sub-centers sanctioned during the last three years; and
- (c) the expected improvements in the reliability of power supply?

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a) & (b): The strengthening of the transmission network in the State of Rajasthan is being undertaken through both Inter-State Transmission System (ISTS) and Intra-State Transmission System (InSTS) projects to cater to rising demand and the evacuation of renewable power. At present, transmission systems for evacuation of about 15.5 GW renewable capacity have already been commissioned in Rajasthan and ISTS projects for an additional 51.5 GW are under implementation.

During the last three years, 15 ISTS sub-stations have been sanctioned in Rajasthan to augment the transmission network.

Further, the Ministry of New and Renewable Energy (MNRE) is implementing the Green Energy Corridor (GEC) Phase-I and Phase-II schemes for creation of transmission infrastructure dedicated to renewable power. Under GEC-I, transmission projects comprising about 1,054 circuit kilometres (ckm) of lines and 1,915 Mega Volt Ampere (MVA) transformation capacity have been commissioned. Under GEC-II, projects covering 659 ckm of lines and 2,191 MVA transformation capacity are at various stages of implementation.

(c) : Reliability of transmission infrastructure in Rajasthan is being enhanced through installation of system-strengthening elements such as Bus Reactors, Line Reactors, Static Compensators (STATCOMs) and Synchronous Condensers at appropriate voltage levels.

Additionally, the Government of India launched the Revamped Distribution Sector Scheme (RDSS) in July 2021 to improve the quality, reliability and affordability of power supply through reforms in the distribution sector. The scheme seeks to reduce Aggregate Technical & Commercial (AT&C) losses to 12-15% and eliminate the revenue gap per unit of energy supplied. Under RDSS, financial assistance has been sanctioned for infrastructure upgradation and smart metering activities.

In Rajasthan, projects amounting to ₹18,693 crore for loss-reduction works and ₹9,715 crore for smart metering works have been sanctioned. These works include upgradation of distribution transformers and substations, replacement of ageing or damaged conductor and cable, and feeder segregation for agricultural consumers, which will collectively contribute to improved reliability of electricity supply in the State.
