

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.153
ANSWERED ON 21.07.2025

KEY UPDATES ON ENERGY INFRASTRUCTURE AND PERFORMANCE

153. SHRI AKHILESH PRASAD SINGH:

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

- (a) Measures implemented to upgrade transmission networks for the integration of solar and wind power;
- (b) the current peak power deficit at the national level; and
- (c) the number of smart meters installed under the Revamped Distribution Sector Scheme?

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a): Following measures have been implemented, to upgrade transmission networks for the integration of solar and wind power:

i. A 340 Giga Watt (GW) Inter-State Transmission System (ISTS) network has been planned to evacuate 230 GW of solar and wind power connected to ISTS. As of now, out of the total planned capacity, 48 GW has been completed, 159 GW is under construction, 21 GW is under bidding, and 112 GW is under planning. Transmission schemes are approved by the Ministry of Power or the competent authority in line with the scheduled commissioning dates of renewable energy capacities.

ii. For Intra-State Transmission System (InSTS), Green Energy Corridor (GEC)-I Scheme is under implementation in the States of Karnataka, Madhya Pradesh, Rajasthan, Tamil Nadu, Andhra Pradesh, Gujarat, Himachal Pradesh, and Maharashtra with a cost of Rs 10,141.68 Crore. GEC-II Scheme is under implementation in the States of Gujarat, Himachal Pradesh, Karnataka, Kerala, Rajasthan, Tamil Nadu and Uttar Pradesh at a cost of Rs 12,031.33 Crore. Further, States have been advised to prepare respective plans for InSTS with a 10 year horizon.

(b): In FY 2025-26, the peak power deficit at national level till the month of June'2025 is given below:

Month/Year	Peak Demand	Peak Met	Demand not Met	
	(MW)	(MW)	(MW)	(%)
April, 2025	2,35,321	2,35,190	131	0.1
May, 2025	2,30,993	2,30,993	0	0.0
June, 2025*	2,43,118	2,42,493	625	0.3
April, 2025 - June, 2025*	2,43,118	2,42,493	625	0.3

*Figures for June, 2025 are provisional.

(c): Under the Revamped Distribution Sector Scheme (RDSS), 2.27 crore smart meters have been installed till 30th June 2025.
