GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
**LOK SABHA**
**UNSTARRED QUESTION NO. 685**
ANSWERED ON 03.12.2025

**RENEWABLE ENERGY CAPACITY**

685. COM. SELVARAJ V

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether it is a fact that at least forty gigawatt (GW) of Renewable Energy (RE) capacity being stranded due to delays in the signing of purchase agreements by the bidding agencies with state distribution utilities; and

(b) if so, the details thereof and the measures being taken to optimize transmission capacity and increase the RE capacity utilization?

**ANSWER**
**THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER**

**(SHRI SHRIPAD YESSO NAIK)**

(a)&(b) In respect of tenders issued since April 2023 by Renewable Energy Implementing Agencies (REIAs) namely Solar Energy Corporation of India Limited (SECI), NTPC Limited (NTPC), NHPC Limited (NHPC) and SJVN Limited (SJVN), as Intermediary Procurer, as on 31.10.2025, there is 42,626 MW of renewable power capacity for which Letters of Award (LoAs) have been issued by REIAs but Power Sale Agreements (PSAs) with End-Procurers have not been signed.

Central Electricity Authority (CEA) prepares the transmission plan in advance based on the Renewable Energy (RE) potential declared by the Ministry of New & Renewable Energy (MNRE) to provide a clear visibility of transmission system to the RE developers. The transmission system is implemented in phases commensurate with generation capacity addition to optimize the transmission system.

Around 47.2 GW of Battery Energy Storage System (BESS) has been considered for planning of transmission system upto 2032. Deployment of BESS enables peak shifting, reduces network congestion and improves utilisation of transmission assets, thereby optimising overall transmission system.

As per Central Electricity Regulatory Commission (Connectivity and General Network Access to the inter-State Transmission System) (Third Amendment) Regulations, 2025, connectivity is to be granted for solar and non-solar hours. This will further help in efficient utilization of the transmission system. This will also enable integration of additional RE with co-located BESS to the grid without the requirement of additional transmission infrastructure.

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