

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.788
ANSWERED ON 10.02.2025

SUPPLY CHAIN FOR TRANSMISSION SEGMENT

788 # SMT. SUNETRA AJIT PAWAR:

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

- (a) whether the country needs to deliberate upon the need of a PLI-like scheme to develop the domestic supply chain in the transmission segment;
- (b) if so, the reaction of the Central Government thereto and the steps taken or proposed to be taken in this regard;
- (c) whether there is a need to localize the supply chain for transmission, if so, the steps taken in this regard;
- (d) whether the country still lacks adequate capacity of transmission equipment; and
- (e) if so, the reaction of Government thereto and the steps taken by the Central Government in this regard?

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a) to (e) : As per the National Electricity Plan (NEP-Vol II - Transmission), non-fossil fuel-based power generation will reach approximately 600 GW by 2032. To achieve this, a strong transmission infrastructure is necessary.

Currently, the country relies on imports for critical materials/items/equipments required to build very high voltage transmission systems. These include, *inter-alia*, power transistors and other items used in High Voltage Direct Current equipment, Cold Rolled Grain Oriented (CRGO) steel used in transformers and reactors, STATCOMs, Gas Insulated systems, Sub-Sea Cables. Historically, the manufacturing of these items has been concentrated in a few countries that have technological advantages and benefit from economies of scale. In addition to financial and non-financial support, domestic manufacture of some of these items requires technology.

Recognising the need to develop domestic supply chains for these items, Government has initiated the following steps:

- (i) Ministry of Steel has included CRGO steel as a sub-category under the PLI scheme for Specialty Steel used in manufacturing of Transformers & Reactors.
- (ii) Government has already announced to set up a National Manufacturing Mission covering small, medium and large industries for furthering “Make in India” by providing policy support, execution roadmaps, governance and monitoring framework for central ministries and states. The Mission will aim to improve domestic value addition and build our ecosystem. It will also support very high voltage transmission equipment and grid scale batteries.
- (iii) Government has introduced a Public Procurement Order that mandates products with at least 50% local content and sufficient domestic capacity to be sourced from Class-I local suppliers.
- (iv) Ministry of Power has engaged in discussions with stakeholders, including manufacturers and industry associations, to explore the feasibility of localising the supply chains for transmission equipment in India.
