

Renewable Energy Management Centers (REMCs)

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Source: *PIB*

Recently Minister of State (IC) Power and New & Renewable Energy inaugurated the Northern Region Renewable Energy Management Centre (NR-REMC) at a function in New Delhi.

Background

The Government of India's target of **175 GW RE Capacity by 2022** driving accelerated RE penetration poses challenges to the grid management due to the intermittent and variable nature of RE generation. The Government of India had approved the implementation of the **REMCs as a Central Scheme and had mandated POWERGRID, a Maharatna CPSE under the Ministry of Power as Implementing Agency.**

Renewable Energy Management Centers (REMCs)

- On the occasion, the Minister dedicated to the nation, eleven REMCs, placing India among a league of few nations, which have state-of-the-art management centers for renewable energy integration.
- The renewable energy management **centers are equipped with Artificial Intelligence based RE forecasting and scheduling tools and provide greater visualization** and enhanced situational awareness to the grid operators.
- **REMCs are co-located with the State Load Dispatch Centers (SLDCs) in** Tamil Nadu, Karnataka, Andhra Pradesh, Maharashtra, Madhya Pradesh, Gujarat & Rajasthan and in RLDCs at Bengaluru, Mumbai and New Delhi and at the NLDC.
- Presently, 55 GW of Renewable (Solar and Wind) is being monitored through the eleven REMCs.

- **These REMCs are being managed by Power System Operation Corporation of India Ltd. (POSOCO) at Regional and National level and at State level by State Load Despatch Centres (SLDCs).**