

**No. 25-10/40/2022-PG**  
**Ministry of Power**  
**PG Desk**

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**Shram Shakti Bhawan**  
**New Delhi-110066**  
**5<sup>th</sup> December 2022**

**To,**

- i. Secretary, Ministry of New and Renewable Energy, New Delhi
- ii. Power/Energy Secretaries of all States/UTs
- iii. CMDs/ MDs of all State TRANSCOs
- iv. CMDs of all PSUs under Ministry of Power
- v. Secretary, Central Electricity Regulatory Commission
- vi. Director General, Electric Power Transmission Association, New Delhi
- vii. Chairman, Indian Wind Power Association, New Delhi
- viii. Chairman, Indian Wind Energy Association, New Delhi
- ix. Chairman, National Solar Energy Federation of India, New Delhi
- x. Director General, Solar Power Development Association, New Delhi

**Subject: Release of the Report on “Transmission System for Integration of over 500 GW Renewable Energy Capacity by 2030”-regarding**

Dear Sir/Madam,

As part of National Determined Contribution (NDC), India aims to reduce emission intensity of GDP by 45 percent by 2030 from 2005 level and to source 50 percent of its electricity from non-fossil fuel. As part of our NDC, India is moving towards clean energy sources and plans to have 500 GW of non-fossil fuel by 2030.

2. The installed electricity generating capacity in the country at present is 409 GW comprising of 173 GW from non-fossil fuel sources, which is about 42% of the total installed electricity generating capacity. For evacuation of power from the planned Renewable capacity by 2030, a robust transmission system needs to be in place in advance as the gestation period of wind and solar based generation projects is much less than that of associated transmission system.


3. Accordingly, Ministry of Power had constituted a high level technical committee under Chairperson, Central Electricity Authority with representatives from Solar Energy Corporation of India, Central Transmission Utility of India Ltd, Power Grid Corporation of India Ltd, National Institute of Solar Energy, and National Institute of Wind Energy for planning the transmission system required for having 500 GW of non-fossil fuel by 2030.

4. As a major step towards achievement of the goal of integrating a capacity of non-fossil fuel based capacity of 500 GW by 2030, the Committee prepared a detailed report titled **"Transmission System for Integration of over 500 GW RE Capacity by 2030"**. The planned transmission system will provide a visibility for addition of 537 GW of RE capacity by the year 2030.

5. The Hon'ble Union Minister of Power and NRE has kindly consented to release the Report on **07.12.2022 at 3:30 PM in Conference Hall, 3<sup>rd</sup> Floor, Ministry of New and Renewable Energy, Atal Akshaya Urja Bhawan, CGO Complex, Lodhi Road, New Delhi.**

6. You are requested to kindly grace the event or depute a senior officer to be present on the occasion.

Yours sincerely,

 05/12/22

(Mohammad Afzal)

Joint Secretary (Transmission)

Ph-011-23714000

Copy to:

1. PS to Hon'ble Minister of Power and New & Renewable Energy
2. PS to Hon'ble Minister of State for Power and Heavy Industries
3. PS to Hon'ble Minister of State for New and Renewable Energy and Fertilizers
4. PPS to Secretary (Power)
5. PS to SS&FA, Ministry of Power
6. PS to all JS, Economic Advisor, Chief Engineer in the Ministry of Power
7. Additional Director General, PIB in charge of Ministry of Power, New Delhi - **with a request to make all necessary arrangement for print and visual media publicity for the event**
8. Technical Director, NIC, Ministry of Power- **with a request to upload the same in the Ministry's website.**