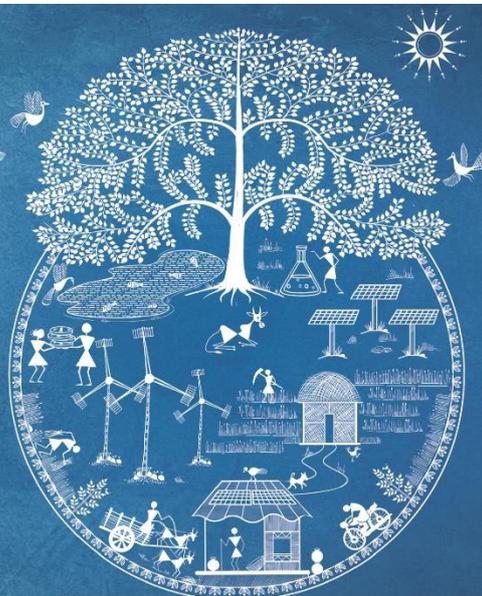




# WORLD SUSTAINABLE DEVELOPMENT SUMMIT 2023

MAINSTREAMING SUSTAINABLE DEVELOPMENT AND CLIMATE RESILIENCE FOR COLLECTIVE ACTION

February 22-24, 2023  
New Delhi



**Title: Pathways for meeting India's Power Sector Decarbonisation Targets for 2030**

**Date: 23<sup>rd</sup> February 2023, 16:00 to 17:30 hrs. (IST)**

**Venue: Jacaranda-II Hall, India Habitat Centre, Lodhi Road, New Delhi**

India's decarbonization targets announced by Hon'ble Prime Minister of India at COP 26, Glasgow marked one of the highest increases in ambition of major economies over their Paris commitments. While the country achieved a key 2015 NDC commitment of 40% non-fossil-fuel based generation capacity, the speed and scale of transition required for achieving 2030 targets calls for a well-planned roadmap and pathways.

To accommodate large shares of variable renewable energy (VRE), flexibility/balancing and grid security assume significant importance. The key requisites would be expanding flexible options for grid integration through large scale deployment of storage capacities. Solar power with storage in India has now become cheaper than electricity from a new thermal power plant. The pathways for various measures need to be framed to meet India's commitment.

The way forward suggested in TERI's discussion paper on roadmap for meeting 2030 de-carbonisation targets for the power sector (<https://www.teriin.org/sites/default/files/files/Roadmap-to-India-2030-Decarbonization-Target.pdf>) by the policy makers as well as the stakeholders for developing pathways. The thematic track will seek to discuss specific measures needed for the following:

- (i) deployment of various forms of RE, specially decentralised solar, floating solar and off-shore wind.
- (ii) deployment of storage: pumped storage – conventional as well as off-river; concentrated solar thermal and battery energy storage systems.
- (iii) developing demand and supply side flexibility.
- (iv) integrating value proposition of electricity supply in retail tariff design
- (v) becoming aatma-nirbhar in clean energy related manufacturing
- (vi) giving choice to consumers for procuring green carbon-free electricity

## **About the World Sustainable Development Summit (WSDS)**

The World Sustainable Development Summit (WSDS) is the annual flagship Track II initiative organized by The Energy and Resources Institute (TERI). Instituted in 2001, the Summit series has a legacy of over two decades for making 'sustainable development' a globally shared goal. The only independently convened international Summit on sustainable development and environment, based in the Global South, WSDS strives to provide long-term solutions for the benefit of global communities by assembling the world's most enlightened leaders and thinkers on a single platform. The 22nd edition of the annual flagship event is being held from 22-24 February 2023 in New Delhi. The Summit deliberations will focus on the umbrella theme: Mainstreaming Sustainable Development and Climate Resilience for Collective Action.