

## Webinar on ‘Evolving Opportunities for Distributed Energy Resources (DER)’ and Battery Energy Storage Systems in Asian Cities’

**Date:** 8<sup>th</sup> June, 2023, Thursday

**Time:** 9:00-11:00 AM IST / 10:30 AM – 12:30 PM Bangkok time

### Registration link:

After registering, you will receive a confirmation email containing information about joining the webinar.

Distributed Energy Resources, also known as DERs, are small-scale energy resources usually situated near sites of electricity use. Typical examples include rooftop solar PV systems located behind the meter or at the distribution transformer level. DERs often include some amount of battery storage.

DERs play an important role in supporting countries transitioning to a net-zero future. DERs may delay the need for expansion of transmission and distribution infrastructure; and enhance the flexibility and resilience of the energy system. Also, one of the most important advantages of DERs is that they can reduce electricity bills for consumers. For distribution utilities, this means access to flexibility and potential savings in transmission charges / losses for power procured from centralized power plants.

DERs could ensure access to electricity in regions where grid connectivity is limited. Many countries in the Asia region have successfully adopted DERs to increase electrification coverage.

This online session will delve into the evolving challenges and opportunities that come with the maturation of the DER market in the region. Some of the leading companies, such as ReNew Power, BSES Rajdhani Power Limited (BRPL) and others, will share their experiences, lessons learned in adopting DERs.

### **Session Agenda**

- Welcome and Introduction - ALP [10 min]
- How do DERs impact the power system – a technical analysis and how DERs improve resilience of the power system – Ranpal Singh, TATA Power [15 min]
- How can market instruments be better designed to promote DERs – a regulatory / market perspective; DER's ability to reduce costs and provide backup – a consumer's perspective – Abhishek Ranjan, ReNew Power Private Limited [15 min]
- What are the policy gaps and potential barriers to a large-scale proliferation of DERs – Nimish Vora, PwC India [15 min]
- Lessons learnt from integrating Battery Energy Storage Systems (BESS) in distribution network, Naveen Nagpal, BSES Rajdhani Power Limited (BRPL) [15 mins]
- Discussion and Q&A [45 min]
- Closing – ALP [5 min]