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Press Release

BRPL and TERI partner to promote rooftop solar and energy storage solutions

- Explore collaboration opportunities at utility level for the following (i) Capacity building programs on Solar Rooftop PV, (ii) Energy Storage Systems, (iii) Electric Vehicles, (iv) Energy Efficiency, (v) Demand Side Management and (vi) Smart Grid technologies
- BRPL-TERI consortium wins grant under UI-ASSIST a pilot demonstration of Grid-Scale Energy Storage

To develop a strategic association to jointly work for achievement of common goals and objectives, BSES Rajdhani Power Limited (BRPL) and The Energy and Resources Institute (TERI) have entered into a strategic partnership. A Memorandum of Understanding (MoU) to the effect was signed by Mr Amal Sinha (CEO, BRPL) and Mr. AK Saxena, (Senior Fellow & Director (Electricity & Fuels Division), TERI). The initial duration of the MoU is for two years.

Under the MoU, BRPL and TERI will jointly explore collaboration opportunities at utility level for capacity building programs and conducting research on Solar Rooftop PV, Energy Storage Systems, Electric Vehicles, Energy Efficiency, Demand Side Management and Smart Grid technologies for various stakeholders.

Showcasing his thoughts on the expected outcome of the study, Mr Amal Sinha (CEO, BRPL) said, “I am sure, the collaboration between BRPL and TERI will foster path breaking research and explore newer collaboration opportunities at in the domain of emerging technologies. This will also provide impetus in rooftop PV sector in NCT of Delhi by mitigating challenges faced by discoms.”

“We are amongst the few utilities in India, which are engaged in actively propagating the roof top solar installations. BRPL has already implemented 8 MW of solar rooftop in its licenses area and estimates addition of another 20 MW during 2017-18”, **added Mr Sinha.**

As a part of the partnership, the two organizations will also identify and finalize different areas of carrying out the studies related to rooftop solar PV development for assessment of various issues, including technical and commercial issues, with higher penetration of PV into distribution grid. The technical studies shall be conducted with objective of assessment of technical issues related to loading of feeders, static and dynamic voltage regulation, power quality, protection, etc. that may arise with higher penetration of solar rooftop systems in distribution grids.

Expressing his views on the joint collaboration, Mr A K Saxena, Director, Electricity & Fuels Division, TERI, said, “BRPL being one of the proactive Discoms in the country, we value this cooperation and I believe the outcomes of our study would enable informed decision making for large scale adoption of rooftop solar into their distribution grid.”

This collaboration will help all the stakeholders, including BRPL, TERI and consumers. The outcome of these studies will help BRPL to further promote implementation of rooftop solar PV and achievement

of RPO targets, besides helping the discom in identification of areas for implementing Energy storage. It will also help in improving the quality and reliability of power supply.

The growing penetration of solar roof top systems into the distribution system may cause undesired effects in the operation of the distribution system in many ways. TERI will undertake this study to understand the challenges that may arise with higher penetration of solar rooftop systems in distribution grids.

Grant from UI-ASSIST

Recognizing the need to address climate change, ensure mutual energy security, and build a clean energy economy; Government of India and the United States of America have agreed to expand the Indo-U.S. Joint Clean Energy Research and Development Center (JCERDC) by funding new research in two areas critical to improving the reliability, flexibility and efficiency of the electricity delivery system - Smart Grids and Energy Storage. The awarded project titled “UI-ASSIST: U.S.-India collaborative for smart distribution system with storage” will provide grants under this.

Research proposal by TERI and BRPL as a part of IIT-Kanpur led consortiums for a pilot demonstration of Grid-Scale Energy Storage in BRPL’ area has been approved, where TERI and BRPL will be the academic and discom partners respectively.

About BRPL

BSES Rajdhani Power Limited (BRPL) is a joint venture between Reliance Infrastructure Limited and Govt of NCT of Delhi with a 51%:49% shareholding. BRPL along with its sister company BSES Yamuna Power Limited (BYPL) supplies electricity to two-thirds of the national capital.

Panning a geographical area of around 750 sq kms, BRPL is the largest of the three private distribution companies (discoms) in Delhi. The company supplies electricity to over 23 lakh customers, covering a population base of over 92 lakhs in South and West Delhi.

About TERI

TERI is an independent, not-for-profit research institute focused on energy, environment, and sustainable development and devoted to efficient and sustainable use of natural resources. Since its inception in 1974, TERI has emerged as an institution of excellence for its path-breaking research, and is a global brand widely respected by political leaders, policy makers, corporate entities as well as the civil society at large.

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