

Tata Power-DDL & CEEW Collaborate to Accelerate Renewable Power Integration and Micro-Grids in Delhi

New Delhi, August 7, 2019 : TATA Power Delhi Distribution Limited (Tata Power-DDL), which distributes electricity to a populace of over 7 million in Delhi, today signed an MoU with the Council on Energy, Environment and Water (CEEW), one of South Asia's leading not-for-profit policy research institutions, to evaluate and accelerate the integration of decentralized renewable energy into Delhi's power grid.

The collaboration will include joint research on the impact of increased solar rooftop deployment on the quality of power supply, determining optimum rooftop solar photovoltaic share at the distribution transformer-level and techno-economic feasibility of agricultural solar micro-grids. The research findings will provide TATA Power-DDL with an implementable plan to meet a portion of its future power needs using solar and other Distributed Energy Resources (DER) technologies.

Further, TATA Power-DDL and CEEW will also assess the impact of air pollution on the life of power distribution assets and their operational performance. The assets will be evaluated on the basis of their maintenance and replacement history along with prospective measurement of air pollution in areas where degradation is likely to be higher.

Mr. Sanjay Banga, CEO, TATA Power-DDL, said, " At TATA Power-DDL, we have always been committed towards sustainable and clean energy. This collaboration with CEEW will strengthen the operational performance of our power network further and help overcome the existing challenges in rooftop deployment, DER technologies, Demand Response, Energy Efficiency and Grid Level Storage to meet the future power requirements."

Dr. Arunabha Ghosh, CEO, CEEW, said, "Delhi's discoms have been at the forefront of bringing the clean energy transition closer to communities. This collaboration with TATA Power-DDL will help us accelerate the deployment of renewables into the grid while taking into account the associated challenges to ensure seamless integration with the existing power system. Solar rooftops and solar micro-grids, if designed well, could both emerge as affordable, reliable, and clean sources of power for residential and agricultural consumers in the coming years."

The TATA Power-DDL and CEEW collaboration could also help achieve Delhi's solar generation targets of 1 GW by 2020 and 2 GW by 2025, in accordance with the Delhi Electricity Regulatory Commission's guidelines for implementation of the Group Net Metering and Virtual Net Metering framework.

TATA Power-DDL is the only Power Utility in the country empanelled as both Channel Partner with highest 'SP 1A' rating with Ministry of New & Renewable Energy (MNRE) and Grade 1 ESCO with Bureau of Energy Efficiency. It follows an integrated approach to promote Green Energy among all Stakeholders. The company started its solar journey way back in 2008. Till date it has implemented 15 Solar Projects in its own premises and has promoted Solar Projects among its consumers through various awareness programmes. It

has also conducted a study on Business Models for Distributed Energy resources deployment along with USTDA.

About TATA Power-DDL:

TATA Power Delhi Distribution Limited is a joint venture between Tata Power and the Government of NCT of Delhi. Tata Power-DDL distributes electricity in North Delhi and serves a populace of 7 million spread over 510 [sq.km](#). The company has successfully met record peak power demand of 2074 MW in 2019. TATA Power-DDL has been the frontrunner in implementing power distribution reforms and is acknowledged for its consumer-friendly practices. Since privatization, the Aggregate Technical & Commercial (AT&C) losses in TATA Power-DDL areas have shown a record decline. Today, AT&C losses stand at sub 8% which is an unprecedented reduction of over 85% from an opening loss level of 53% in July 2002. To learn more about TATA Power-DDL, please visit: www.tatapower-ddl.com

About CEEW:

Council on Energy, Environment and Water (CEEW) is one of South Asia's leading not-for-profit policy research institutions. The Council uses data, integrated analysis and strategic outreach to explain – and change – the use, reuse, and misuse of resources. It prides itself on the independence of its high-quality research, develops partnerships with public and private institutions and engages with wider public. In 2019, CEEW once again featured extensively across nine categories in the '2018 Global Go To Think Tank Index Report'. The Council has also been consistently ranked among the world's top climate change think tanks. Follow us on Twitter @CEEWIndia for the latest updates.

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