



Date : Mar 22, 2021

For Immediate Release

New Delhi

Tata Power Delhi Distribution collaborates with Nexcharge to power up India's First Grid Connected Community Energy Storage System

- Inaugurated by Shri Satyendar Jain, Hon'ble Power Minister, Govt. of NCT of Delhi
- This CESS can provide emergency supply to essential service providers like hospitals, commercial complexes, Delhi Jal Board and hundreds of consumers residing in the area in case of any exigency
- Installation to improve supply reliability at distribution level
- CESS is a Container based battery energy storage system will at Distribution Transformers level to provide better peak load management, Voltage regulation, system flexibility and reliability

Tata Power-DDL, a leading Power Distribution utility supplying electricity to a populace of 7 million in North Delhi, collaborated with Nexcharge, a joint venture between Exide India, Leclanché, Switzerland launched **India's First Grid Connected Community Energy Storage System (CESS)** in Rani Bagh, New Delhi today.

The Battery Energy Storage System was inaugurated by **Shri Satyendar Jain, Hon'ble Power Minister, Govt. of NCT of Delhi in the presence of Mr. Ganesh Srinivasan, CEO, Tata Power-DDL and Stefan Loius, Chief Executive Officer, Nexcharge** other senior officials of Tata Power-DDL, Exide India and Nexcharge.

The installation of the 150KW/528KWH CESS at Ranibagh Substation will improve the supply reliability at the distribution level that is mainly at load centre to mitigate peak load on Distribution Transformers. Dense population with vertical load growth and space constraints to put additional transformers are the key reasons behind the selection of Rani Bagh as the location for the installation. The setup will help in providing continuous and reliable power to key consumers during exigency.

The key feature of CESS is to support the Distribution Transformers in managing the peak load, voltage regulation, power factor improvement, frequency regulation and deviation settlement mechanism. Also, the system has black start feature, because of which during outage of distribution transformers or during supply fail condition, the battery is connected to the privileged bus and can provide 150KW for 4 hours duration to consumers providing critical services like hospitals, commercial complexes, Delhi Jal Board etc. Apart from the essential consumers, this system serves the population to the tune of hundreds of consumers residing in the area.

The battery energy storage system will charge during the off peak hours and discharge the power during peak condition, which will enhance the life of the asset, prevent the interruption on account of overload and capex deferral in putting additional support for placing distribution transformers only to meet peak-load.

Battery-based energy storage enables electricity to be stored and then delivered within milliseconds, reducing instability of the electric grid and enabling more energy to be captured and delivered on demand.

Commenting on the launch, **Mr. Ganesh Srinivasan, CEO, Tata Power-DDL** said, “We are proud to associate with Nexcharge for setting up country’s first Grid Connected Battery Energy Storage System at the community level. This will further strengthen our network and ensure reliable and quality power supply to our consumers at all times. Instead of building humungous infrastructure of transformers and electric equipment CESS can be used to meet peak demand while storing surplus power. I believe wider adoption of such storage systems will help in balancing the load curve of discoms and make them future ready.”

Speaking about the initiative, **Stefan Louis, Chief Executive Officer, and Chief Technology Officer, Nexcharge** said, “Battery-based energy storage (BESS) provides the agility to better integrate intermittent solar and wind energy resources into India’s electric grid and ensure high-quality power for consumers. A Community Energy Storage System like this will ensure consumers get to experience better levels of stability, reliability, quality, and control. Both customers and distributors will benefit from this service. We are very happy to partner with Tata Power DDL to set up this new 0.52 MWh grid-connected system which will pave a new path for wider adoption of grid-scale energy storage technology across India. It’s another step towards all Indians accessing smart sources of energy.”

Talking about the multi-MNC joint venture to create Nexcharge, **Gautam Chatterjee, Chief Executive Officer, Exide Industries Limited** said, “We have long endeavored to develop alternate state-of-the-art technologies such as lithium-ion batteries and energy storage solutions as an important step in tackling the impact of climate change on the environment. Leclanché SA has proven to be an apt partner in this cause bringing superior technology,

modules, and battery management systems, as well as immediate access to engineering resources to build market-ready products and solutions.”

India has the ambitious vision of installing 225 GW of renewable energy generation by 2022. The storage system provides the flexibility and agility to better integrate intermittent solar and wind energy resources into India’s electric grid and ensure high-quality power for consumers and, is in consonance with India’s ambitious vision of installing 225 GW of renewable energy generation by 2022.

About Tata Power Delhi Distribution Limited: 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. 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 8.4% which is an unprecedented reduction of over 84% from an opening loss level of 53% in July 2002.

To learn more about Tata Power-DDL, please visit: www.tatapower-ddl.com

About Nexcharge: Nexcharge, an Exide Leclanche Energy Pvt. Ltd. brand began its operations in 2018, as a Joint Venture (JV) between India’s largest lead-acid storage battery manufacturers, Exide Industries Limited, and one of the leading Lithium-ion (Li-ion) battery manufacturers based in Switzerland, Leclanché SA (Leclanché). Nexcharge envisions to fast-track the world’s transformation towards sustainable energy solutions and aims to become the leading supplier of E-transport solutions that will power the electrification of transport in the form of efficient and reliable energy storage solutions. Nexcharge also aims to cater to the diverse segments of Industry & Utility markets with state-of-the-art products and end-to-end solutions made available through Li-ion batteries of different chemistry viz. NMC, LFP, LTO, etc. In order to fulfill its mission, Nexcharge has built India’s largest factory equipped with fully automated assembly lines of li-ion battery packs, modules (Pouch/ Prismatic/ Cylindrical), and cell testing labs at Prantij, Sabarkantha, Gujarat. Nexcharge is also supported by a state-of-the-art, in-house R&D facility in Bangalore. A well-resourced team of engineers works to design battery packs as per the customer's requirements and offers high-quality products at competitive prices.

To learn more about Nexcharge, please visit: <https://nexcharge.in/>

About Exide Industries Limited: Exide Industries Limited, a company incorporated under the laws of India and having its registered office at Exide House, 59E, Chowringhee Road, Kolkata-700020. Exide is engaged in the business of manufacture and sale of lead-acid

storage batteries and home UPS and has the requisite experience in the business of energy storage.

To learn more about Exide Industries Limited, please visit: www.exideindustries.com/

About Leclanché: Headquartered in Switzerland, Leclanché SA is a leading provider of high-quality energy storage solutions designed to accelerate our progress towards a clean energy future. Leclanché's history and heritage are rooted in over 100 years of battery and energy storage innovation and the Company is a trusted provider of energy storage solutions globally. This coupled with the Company's culture of German engineering and Swiss precision and quality, continues to make Leclanché the partner of choice for both disruptors, established companies, and governments who are pioneering positive changes in how energy is produced, distributed and consumed around the world. The energy transition is being driven primarily by changes in the management of our electricity networks and the electrification of transport, and these two end markets form the backbone of our strategy and business model. Leclanché is at the heart of the convergence of the electrification of transport and the changes in the distribution network. Leclanché is the only listed pure-play energy storage company in the world, organized along with three business units: stationary storage solutions, e-Transport solutions, and specialty battery systems. Leclanché is listed on the Swiss Stock Exchange (SIX: LECN).

To learn more about Leclanché, please visit: www.leclanche.com/

For further information please contact:

Corporate Communications:

Siddharth Singh (9910990678)

Siddharth Gaur (9810390350)

Vasudha (7042902779)

Madison PR:

Ankur

Dutta (9711018758)