



April 7, 2025

BSE Limited
Corporate Relationship Department
Phiroze Jeejeebhoy Towers
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Mumbai – 400 001.
Scrip Code: 500400

National Stock Exchange of India Limited
Exchange Plaza, C-1, Block G,
Bandra-Kurla Complex,
Bandra (East)
Mumbai – 400 051.
Symbol: TATAPOWER

Dear Sir/Madam,

Sub.: Press Release

Please find enclosed the press release titled "Tata Power to Install 100 MW Battery Energy Storage System (BESS) in Mumbai".

This is for your reference and records and is not a disclosure in terms of the requirements of Regulation 30 of SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015.

Yours Sincerely,
For **The Tata Power Company Limited**

Vispi S. Patel
Company Secretary
FCS 7021

Encl: As above

TATA POWER

The Tata Power Company Limited

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Tata Power to Install 100 MW Battery Energy Storage System (BESS) in Mumbai

- 100 MW BESS will be installed across 10 strategic locations in Mumbai over the next two years.
- Will ensure uninterrupted power supply to critical infrastructure such as the Metro, Hospitals, Airport, and Data Centers during grid disturbances, and will support grid through islanding to prevent blackouts

Mumbai, April 7, 2025 – Tata Power, India's largest integrated power company and a trusted electricity provider to approx. 8 lakh residential and commercial consumers, has received approval from the Maharashtra Electricity Regulatory Commission (MERC) to install a 100 MW Battery Energy Storage System (BESS) in Mumbai over the next two years.

The cutting-edge BESS, equipped with advanced 'black start' functionality, will enable a swift recovery of power supply to critical infrastructure, including the metro, hospitals, Airport, and Data Centers, in case of grid disturbances. This will prevent large-scale blackouts and enhance Mumbai's power network resilience. Additionally, the system's sophisticated technology will optimize reactive power management, improving peak demand efficiency and strengthening the city's power infrastructure.

With high ramp-rate capability, the BESS will facilitate peak load management, ensuring a stable and balanced power supply even during high-demand periods. It will also help reduce power purchase costs by storing energy during low-cost periods and utilizing it during high-cost peak hours thereby ensuring reduced tariffs for consumers in the future. Furthermore, the BESS will support capital expenditure (capex) deferral by minimizing the need for costly infrastructure upgrades and efficiently managing load fluctuations with stored energy.

Beyond enhancing grid reliability, the BESS will offer ancillary services, including frequency regulation and voltage support, further strengthening grid stability. It will also enable better utilization of solar energy by storing surplus daytime power and making it available during peak demand, ensuring optimal renewable energy integration with an increase in Green Energy consumption. Additionally, Tata Power's BESS deployment will also fulfil energy storage Obligations.

The entire 100 MW system will be installed across 10 strategically located sites, especially near load centres across Mumbai Distribution, centrally monitored and controlled from Tata Power's Power System Control Center (PSCC).

Future plans include the integration of BESS into the Distributed Energy Resource Management System (DERMS) to enhance operational efficiency. Tata Power remains committed to "Safety First", incorporating three layers of temperature monitoring and fire suppression systems at the cell, module, and rack levels within the BESS. The system will have high round-trip efficiency with reduced auxiliary consumption, thereby enhancing operational performance and extending the storage system's lifespan to support Mumbai's energy sustainability goals.

As renewable energy adoption accelerates, BESS plays a pivotal role in enabling a smoother transition. Compared to conventional alternatives, BESS offers a more cost-effective, faster-to-deploy solution with a shorter gestation period, making it a key enabler of clean energy adoption.

With this initiative, Tata Power Mumbai continues to drive Technology innovation and sustainability, reinforcing its commitment to delivering reliable, efficient, and future-ready power solutions for the city.

About Tata Power:

Tata Power Company Limited, a leading integrated power company and a part of the Tata Group, India's largest multinational business conglomerate, owns a diversified portfolio of 15.6 GW. This portfolio spans the entire power value chain, from renewable and conventional energy generation to transmission, distribution, trading, storage solutions, and solar cell and module manufacturing. As a pioneer in India's clean energy transition, Tata Power has 6.7 GW of clean energy generation, constituting 43% of its total capacity. Committed to achieving carbon neutrality before 2045, Tata Power has successfully partnered with public and private entities across India's generation, transmission, and distribution sectors, serving approximately 12.5 million customers nationwide. To know more about Tata Power, visit www.tatapower.com

Disclaimer:

The following press release/announcement may contain forward-looking statements within the meaning of applicable securities laws and regulations. These statements are based on management's current views, expectations, assumptions, and projections regarding the Company's future performance, business plans, growth prospects, competitive and regulatory environment, and other related matters. Such forward-looking statements are subject to various risks and uncertainties, which may cause actual results to differ materially from those expressed or implied in the statements. Factors that could cause actual results to differ materially from those contemplated in the forward-looking statements are not limited to changes in economic conditions affecting demand/supply and price conditions in the domestic and overseas markets in which the Company operates, alterations in the business environment, fluctuations in Government regulations, laws, statutes, judicial pronouncements, and other incidental factors. The Company does not undertake any obligation to publicly update or revise any forward-looking statements based on subsequent events, information, or developments, except as required by applicable laws and regulations.

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