



February 20, 2025

BSE Limited  
Corporate Relationship Department  
Phiroze Jeejeebhoy Towers  
Dalal Street  
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 partners with Amazon Web Services to Drive Smart & Consumer-Centric Energy Transition in India.”

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**

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

Tel 91 22 6665 8282 Fax 91 22 6665 8801

Website: [www.tatapower.com](http://www.tatapower.com) Email: [tatapower@tatapower.com](mailto:tatapower@tatapower.com) CIN: L28920MH1919PLC000567



Printed on 100% Recycled Paper

## Tata Power partners with Amazon Web Services to Drive Smart & Consumer-Centric Energy Transition in India

**National, February 20, 2025:** Tata Power- one of India's largest integrated power companies with presence across T&D, Generation, Trading, Renewables (including Manufacturing), and Energy as a Service (EaaS) - has embarked on a data-driven transformation with Amazon Web Services (AWS) to accelerate the country's transition to a greener, smarter, and more consumer-centric energy ecosystem.

Tata Power is strengthening operational efficiencies, enhancing grid resilience, and empowering its large consumer base, spread across multiple states, to be active participants in India's clean energy future and transition to a low-carbon economy.

India stands at the forefront of a global energy transformation, with the International Energy Agency (IEA) projecting the country to lead global energy demand growth over the next two decades. Tata Power is championing this transition through a strategic collaboration with Amazon Web Services (AWS) to modernize its digital infrastructure and drive intelligent energy management. The evolution of energy systems demands real-time analytics, automation, and decentralized power generation to optimize supply and demand. Digitalization enables grid stability, predictive maintenance, and seamless energy transactions, ensuring sustainability and operational efficiency. Tata Power's partnership with AWS exemplifies this digital-first approach, harnessing cloud computing, artificial intelligence (AI), and IoT to build a smarter, more efficient power ecosystem.

Tata Power has already laid a robust digital foundation by migrating 23 mission-critical applications to AWS using Amazon Elastic Kubernetes Service (EKS). This shift enhances scalability, security, and real-time operational efficiency across key areas such as power generation, renewables, grid management, sales, and finance. Additionally, the company has adopted a server-less architecture with AWS Step Functions, optimizing energy transactions and grid operations in response to fluctuating demand patterns.

At the core of this transformation are two specialized data lakes dedicated to power generation and renewables, which ingest real-time data from solar farms, wind assets, smart meters, and Industrial IoT devices. Using AWS Glue, Tata Power integrates these vast datasets into Amazon Simple Storage Service (S3), unlocking AI-powered analytics for predictive maintenance, grid optimization, and demand forecasting.

This digital transformation is translating into tangible benefits for both businesses and consumers, making Tata Power a preferred partner of choice for clean and efficient energy solutions. AI-driven insights enable faster outage detection, improved grid stability, and personalized energy recommendations, resulting in cost savings, enhanced reliability, and an accelerated transition to renewables. The modernization effort will pave the way for cutting-edge innovations, including blockchain-based energy trading, AI-powered demand response solutions, and computer vision for asset monitoring.

Tata Power is driving digital transformation across key operational clusters. In Generation and Renewables, AI-driven predictive maintenance, supply chain & procurement efficiency, and real-time analytics are optimizing plant efficiency and maximizing renewable energy output. Grid modernization is being advanced through smart IoT integration, enabling automated grid operations that reduce downtime and improve supply-demand balancing. These innovations have led to unprecedented reduction in AT&C losses and overall operational efficiency across the company's discoms in Delhi, Odisha and Mumbai.

Consumer-centric solutions such as Home Automation and EaaS leverage personalized energy insights and blockchain-based transactions to empower consumers in managing their energy usage efficiently. Additionally, enterprise and finance digitalization is ensuring operational agility and transparency in energy transactions through cloud-based financial systems.

By integrating a cloud-first digital infrastructure, Tata Power is accelerating India's clean energy shift while setting a global benchmark for sustainable, data-driven power utilities that keep customer empowerment at their core. This collaboration with AWS marks a significant step in redefining energy management for a net-zero future, reinforcing Tata Power's leadership in smart and sustainable energy solutions.

**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](http://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.

**For further information, please contact:**

Tata Power- Corporate Communications  Jyoti Kumar Bansal, Chief – Branding & Communications, Tata Power Email: <a href="mailto:jyotikumar.bansal@tatapower.com">jyotikumar.bansal@tatapower.com</a> Siddharth Gaur – Head PR, Tata Power E-mail: <a href="mailto:Siddharth.gaur@tatapower.com">Siddharth.gaur@tatapower.com</a> Or Email: <a href="mailto:mediaquery@tatapower.com">mediaquery@tatapower.com</a>	Siddharth Kumar 9902929187 Email: <a href="mailto:siddharth.kumar@adfactorspr.com">siddharth.kumar@adfactorspr.com</a>
---	--