



13<sup>th</sup> November 2024

To,  
National Stock Exchange of India Ltd.  
Exchange Plaza, 5<sup>th</sup> Floor,  
Plot No.C/1, 'G' Block,  
Bandra Kurla Complex,  
Bandra (East),  
Mumbai - 400 051

Dear Sirs,

**Sub: Press Release**

Please find enclosed the press release titled "Tata Power Renewable Energy Commissions One of India's Largest Floating Solar Projects of 126 MW in Omkareshwar, Madhya Pradesh".

This is for your information and records.

Thanking you.

Yours faithfully,  
**For Tata Power Renewable Energy Limited**

**Jeraz E Mahernosh**  
**Company Secretary**  
**FCS: 7008**

Encl: As above

**Tata Power Renewable Energy Limited**

CIN : U40108MH2007PLC168314

C/o The Tata Power Company Limited

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## **Tata Power Renewable Energy Commissions One of India's Largest Floating Solar Projects of 126 MW in Omkareshwar, Madhya Pradesh**

- The project has a capacity of 126 MW
- The installation features 213,460 bifacial glass-to-glass modules and offsets approximately 173,893 tonnes of CO<sub>2</sub> annually
- It is home to the world's largest Inverter Floating Platform (IFP), covering 260 hectares of water body area.

**National, 13<sup>th</sup> November, 2024** – Tata Power Renewable Energy Limited (TPREL), a prominent player in India's renewable energy sector and a subsidiary of The Tata Power Company Limited, announces the successful commissioning of the Omkareshwar Floating Solar Project. With an impressive capacity of 126 MW, this project stands as one of India's largest floating solar installations, marking a significant milestone in the country's renewable energy journey. The EPC contract worth ₹ 596 crore was awarded by NHDC Limited to TPREL.

Located in the Khandwa district of Madhya Pradesh, the Omkareshwar Floating Solar Project supplies sustainable power to the Madhya Pradesh Power Transmission Company Limited (MPPTCL). Uniquely positioned between the Indirasagar and Omkareshwar hydroelectric reservoirs, this innovative project has navigated complex environmental and logistical challenges—such as fluctuating water levels, high winds, and limited site access—reaching successful completion within just 26 months.

The project features 213,460 bifacial glass-to-glass modules, generating 204,580 MWh of energy annually while offsetting 173,893 tonnes of CO<sub>2</sub> emissions each year. To ensure stability and operational efficiency, the installation incorporates cutting-edge engineering solutions such as robust mooring systems, wave breakers, ballast anchors, and adaptive cableways. Additionally, it hosts the world's largest inverter floating platform, covering 260 hectares of water body area—a new global benchmark in floating solar technology. Beyond carbon reduction, the project conserves an estimated 32.5 million cubic meters of water annually by minimizing reservoir evaporation.

**Mr. Deepesh Nanda, CEO and Managing Director, Tata Power Renewable Energy Limited, said,** *"We are delighted to set a new benchmark with one of the largest floating solar installations in the country, showcasing how innovative engineering can address environmental challenges. This project is a powerful example of how we can harness renewable resources to drive substantial carbon reduction while optimizing the use of our precious land and water resources."*

**Mr. Rajeev Jain, Managing Director, NHDC Limited stated,** *"The commissioning of the Omkareshwar Floating Solar Project marks a significant milestone for NHDC Limited and our commitment to sustainable energy solutions. By partnering with Tata Power Renewable Energy Limited on this project, we have demonstrated that floating solar technology can provide clean energy while preserving vital water resources. We are excited about the potential this project holds for future renewable energy developments in India."*

The Omkareshwar Floating Solar Project is a blueprint for future installations throughout the world and establishes an international standard for floating solar technology. It illustrates how technical innovation can overcome environmental obstacles and have a lasting impact on India's journey toward renewable energy leadership.

With this achievement, TPREL's total renewable energy capacity now stands at 10.9 GW with 5.6 GW of projects in various stages of implementation. Its operational capacity has reached 5.3GW, comprising 4.3 GW of solar and 1 GW of wind energy projects.

### **About Tata Power Renewable Energy Limited:**

Tata Power Renewable Energy Limited (TPREL) is a subsidiary of The Tata Power Company Limited and is one of the country's most significant renewable energy players. TPREL is a developer of renewable energy projects (including solar, wind, hybrid, round-the-clock (RTC), peak, floating solar, and storage systems including battery storage) that it owns, operates, and maintains. It also offers comprehensive green energy solutions for rural and urban areas like turnkey, EPC and O&M solutions for various business segments like utility-scale projects, solar rooftop, and solar pump systems. Alongside its extensive portfolio of renewable solutions, the company boasts a cutting-edge solar cell and module manufacturing plant in Bengaluru, with capacities of 530 MW

for solar cells and 682 MW for modules. Additionally, the company's 4.3 GW cells and module manufacturing plant, TP Solar has completed the construction of a 4 GW module manufacturing facility. Along with module, solar cell has commenced commercial production from the 2GW solar cell line. In addition, TPREL also provides electric vehicle (EV) charging solutions across various segments and other advisory solutions across the renewable sector. As on date, TPREL's total renewable utility capacity is 10.9 GW (PPA capacity is 8.8 GW) including 5.6 GW projects under various stages of implementation and its operational capacity is 5.3 GW, which includes 4.3 GW solar and 1 GW wind. Presently, the company's solar EPC portfolio is more than 15 GWp of ground-mount utility-scale, over 2.5 GW of rooftop and distributed ground-mounted systems. TPREL aims to provide energy access to millions of people across the country via its integrated green energy solutions. Know more: [www.tatapowersolar.com](http://www.tatapowersolar.com)

## **About Tata Power:**

Tata Power is a leading integrated power company and a part of Tata Group, India's largest multi-national business conglomerate. The company has a diversified portfolio of 15.5 GW, spanning across the entire power value chain - from renewable and conventional energy generation to transmission & distribution, trading, storage solutions and solar cells and module manufacturing. As a pioneer of clean energy transition in India, Tata Power has 6.7 GW of clean energy generation, which constitutes 43% of its total capacity. The company has also committed to achieve carbon neutrality before 2045. Tata Power has established India's most comprehensive clean energy platform, with offerings such as rooftop solar, microgrids, storage solutions, EV charging infrastructure, home automation et al. The company has also attracted global investors to support its growth and vision. Tata Power has successfully partnered with public and private entities in generation, transmission & distribution sectors in India, serving approx. 13 million customers across the country. To know more about Tata Power, visit [www.tatapower.com](http://www.tatapower.com)

## **For more information:**

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