



9th September 2024

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

Dear Sir/ Ma'am,

Sub: Press Release

Please find enclosed the press release titled "Tata Power commences production of Solar Cell at India's largest Single-Location 4.3 GW Solar Cell and Module Manufacturing Plant in Tirunelveli, Tamil Nadu".

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 commences production of Solar Cell at India's largest Single-Location 4.3 GW Solar Cell and Module Manufacturing Plant in Tirunelveli, Tamil Nadu

- Facility set to boost domestic manufacturing of Cell and Module and thereby aid India's solar energy and net-zero goals
- State-of-the-art facility equipped with advanced TOPCon and Mono Perc technology to enhance solar cell efficiency



Photo Caption: A woman employee is working at the state-of-the-art cell production line at Tata Power's Solar Cell and Module Manufacturing Plant in Tirunelveli, Tamil Nadu. This is India's largest single-location integrated facility and is run by an 80% women workforce.

National, 9th September, 2024: TP Solar Ltd., one of India's largest cell and module manufacturing companies and a subsidiary of Tata Power Renewable Energy Ltd. (TPREL), today proudly announced the commencement of commercial production from the 2GW solar cell line at its state-of-the-art manufacturing facility in Tirunelveli, Tamil Nadu — the country's largest single-location solar cell & module plant. This milestone follows the successful production of solar modules earlier this year.

The indigenous production of solar cells marks a significant milestone, supporting India's ambitious clean energy goals and reducing reliance on imports. The solar cell production, currently at 2 GW capacity will enhance Tata Power's ability to meet the growing demand for high-quality, and domestically produced solar components, especially for large-scale capacity-addition projects. The plant is expected to ramp up production with the remaining 2 GW capacity to be added over the next 4-6 weeks, reaching peak production within the next few months.

Having a total cell & module manufacturing capacity of 4.3 GW, the module production line at the Tirunelveli plant was commissioned in October 2023 and has produced 1250 MW of solar modules till date.

Expressing his excitement for India's renewable energy future, Dr. Praveer Sinha, CEO and MD, Tata Power, said, "The commencement of cell production at our Tirunelveli plant is a significant step towards indigenisation in the solar value chain and achieving self-sufficiency. We are committed to making solar power accessible to all and ensuring a bright future for India, powered by renewable energy. We believe that this plant will lead the way in supporting the country's vision for a Net-Zero carbon future."

The facility is equipped with advanced TOPCon and Mono Perc technology, enabling high-efficiency production of solar cells and modules. TPREL's investment in this cutting-edge technology aligns with its vision of fostering innovation and self-reliance in the renewable energy sector.

The company has committed nearly ₹ 4,300 crore towards the establishment of this facility. It is a cornerstone of Tata Power's strategy to lead India's renewable energy transition, particularly in the solar rooftop and utility-scale segments, where it holds a 20% market share and aims for further expansion under programs like PM Surya Ghar

Yojana. While the modules produced from this factory are a part of the Government's Approved List of Models and Manufacturers (ALMM), the company is confident that its high-quality cells will also make it to the ALMM list for cells, expected to be announced by the Government soon.

The solar cells and modules produced at the Tamil Nadu facility will initially cater to the company's ongoing projects, further strengthening its supply chain. With an eye on future expansion, Tata Power also plans to explore opportunities for wider market distribution.

In addition to the Tirunelveli plant, the Company also operates a world-class manufacturing facility established in 1992 in Bengaluru, Karnataka. This facility, equipped with cutting-edge technology, has a production capacity of 682 MW for solar modules and 530 MW for solar cells. To date, it has supplied a total of 3.73 GW of solar modules and 2.26 GW of solar cells.

As a pioneer in the energy sector, Tata Power is playing an important role in building a sustainable and self-reliant India. The company's commitment to expanding its clean and green energy capacity is evident in its ambitious targets. Tata Power aims to increase its renewable energy portfolio from 41% to 70% by 2030, positioning itself as a key player in the global energy transition.

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, with the cell production facility set to be commissioned later this year. 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 **10.1 GW** (PPA capacity is **8.2 GW**) including **5.3 GW** projects under various stages of implementation and its operational capacity is **4.8 GW**, which includes **3.8 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 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

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 15,017 MW, 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 6157 MW of clean energy generation, which constitutes 41% 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

For further information, please contact:

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