

Tata Power Solar commissions 3 MW Solar Power Plant at Noamundi

~1st Solar PV Power Plant in the iron ore mine in the country~

~The project will help reduce CO₂ emission by about 3000 tonnes per annum~

Noamundi, July 10, 2017: With due consideration towards Tata Steel's initiatives towards reducing carbon footprint, a 3 MW Solar PV Power Plant has been commissioned at Noamundi. This is the 1st Solar Power Plant in any iron ore mine in the country. The project, executed by Tata Power Solar will help in reducing CO₂ emission by about 3000 tonnes per annum.

The 3 MW Solar Power Plant was jointly inaugurated today by Mr T V Narendran, Managing Director, Tata Steel India & SEA along with Mr Ashish Khanna, Executive Director & CEO., Tata Power Solar and Mr Sanjeev Mehra, Managing Director, Tata Power Trading Company, in the presence of Mr Rajeev Singhal, Vice President (Raw Materials), Tata Steel, Mr Pankaj Satija, General Manager (Ore Mines & Quarries), Tata Steel and other senior officials of the company.

Speaking on the occasion, Mr Narendran expressed pride and happiness on the occasion of inauguration of the 3 MW Solar Power Plant, calling it a major achievement for Tata Steel. Reiterating Tata Steel's commitment to clean energy, **Mr Narendran** said: *"We have constantly looked at opportunities to exploit renewable energy sources. This is yet another milestone in our quest to become a sustainability driven company, committed to exploring clean energy solutions. Renewable energy is the best way of mitigating the impact of climate change."*

Set up at a cost of Rs 35 crore, the initiative is aimed at addressing climate change issues and other demands on natural resources for the Company's captive use around its mining locations. Synergy between three Tata companies, namely, Tata Steel, Tata Power Solar and Tata Power Trading Company was instrumental in shaping the project into reality. With Tata Steel as the sole buyer of all electricity at a contracted tariff, this partnership demonstrates Tata Steel's commitment to climate action and voice support for supporting a strong outcome at the UN Climate Change Conference Paris 2015 (COP 21).

Highlighting the importance of the project, Mr Khanna said: *"We are very glad to execute this project as it represents a huge step towards bringing the sun's clean, sustainable energy as a part of a hybrid system which has grid power as well as fossil fuel as an option. This project epitomises new technologies for a sustainable and continuous power requirements and such plants demonstrate how energy needs of the manufacturing sector can be met through clean and renewable sources like solar and has the potential to take usage of solar energy to a new heights."*

Talking about the partnership with Tata Steel, Mr Mehra said: *"We are pleased to have partnered with Tata Steel on this strategic asset investment. Such unique Hybrid Solar Power Plant would help in providing reliable*

and consistent power supply to the industry. Moreover, it helps in contributing towards Tata Power Group vision of increasing footprints in the renewable sector."

Solar modules convert the solar radiation into electricity which is converted through inverters to AC power at suitable voltage and then fed to the utility grid with net metering facility for accounting of the solar electricity. In case of complete outage of grid, the solar plant has the capability to synchronize with existing DG bus at processing plant Noamundi and continue operation.

The plant covers 19 acres of land at an elevated reclaimed mining hill with ample undulations and a very rocky terrain. Solar lights have been used for boundary and area lighting around the solar plant. The selected site has a potential of 4.5 MW solar power generation.

A rain water harvesting system has been set-up to collect all surface run-off from rains and module cleaning activities to serve as make-up water and minimize module cleaning water requirement. Horticulture has been planned under the solar panels that will add to the aesthetic value and will reduce cleaning water requirement by binding the loose top soil.

Tata Steel has completed a vital milestone in its quest to becoming a sustainability driven company, committed to exploring clean energy solutions as a major step towards energy security problems in India.

About Tata Power Solar:

Tata Power Solar, with 27 years of deep domain expertise, is one of the pioneering solar manufacturers in the world and India's largest specialised EPC player. Founded in 1989, the company was originally formed as a joint venture between Tata Power and British Petroleum Solar (BP Solar). As a pioneer and market leader in the solar space, headquartered in Bangalore, Tata Power Solar now operates independently as a wholly owned subsidiary of Tata Power.

As one of the largest solar manufacturers in India, Tata Power Solar operates world-class manufacturing unit in Bangalore, with a production capacity of 400 MW of modules and 300 MW of cells. It has completed more than 605 MW of ground-mount utility scale and 140 MW of rooftop and distributed generation projects across the country till date. It also offers a diverse line of solar solutions for both urban and rural markets – these include rooftop solutions, solar pumps and power packs among others. Tata Power Solar is committed to enabling solar everywhere and aims to provide energy access to millions of people across the country via its integrated solar solutions.

For more information visit: www.tatapowersolar.com

About Tata Steel:

Tata Steel Group is among the top global steel companies with an annual crude steel capacity of 27.5 million tonnes per annum (MTPA) as on March 31, 2017. It is the world's second-most geographically-diversified steel producer, with operations in 26 countries and a commercial presence in over 50 countries. The Group recorded a consolidated turnover of US \$18.12 billion (INR 117,420 crore) in FY17. Tata Steel Group is spread across five continents with an employee base of nearly 74,000. Having bagged the Deming Application Prize and Deming Grand Prize for continuous improvement in 2008 and 2012 respectively, Tata Steel has now been recognised as the global 'Industry Leader' in 'Steel category' by Dow Jones Sustainability Index (2015). Besides being a member of the World Steel Climate Action Programme, Tata Steel has also been felicitated with several awards including the Prime Minister's Trophy for the best performing integrated steel plant for 2013-14 (received in 2017), Best Risk Management by CNBC TV18 (2016), 'Best-in-class Manufacturing' award from TIME India (2016) and the 'Most Ethical Company' award from the Ethisphere Institute (2016), IIM Sustainability Award (2015), among several others.

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