

MONTHLY COVERAGE REPORT

MARCH 2017





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HEADLINE- TATA POWER SOLAR EXPANDS FACILITY IN BENGALURU

PUBLICATION-THE ECONOMIC TIMES

DATE- MARCH 15, 2017

EDITION- BENGALURU

■ **Tata Power Solar Expands Facility in Bengaluru**



NEW DELHI Tata Power Solar on Tuesday said that it has expanded the capacity of its cell and module manufacturing facility in Bengaluru.

“The two-stage expansion doubled the company’s module capacity to 400 MW from 200 MW, and increased its cell manufacturing capacity by 65% from 180 MW to 300 MW,” the company said in a statement. Tata Power Solar, as part of this process, modernised and fully automated the entire manufacturing facility, it said.

HEADLINE- TATA POWER SOLAR DOUBLES MANUFACTURING CAPACITY IN BENGALURU

PUBLICATION-BUSINESS STANDARD

DATE- MARCH 15, 2017

EDITION- NATIONAL

Tata Power Solar doubles manufacturing capacity



Tata Power Solar on Tuesday announced that it had doubled its capacity for module manufacturing in Bengaluru. The company launched a fully automated manufacturing unit with capacity for module manufacturing increasing from 200 Mw to 400 Mw and 65 per cent increase in capacity of cell manufacturing from 180 Mw to 300 Mw. Ashish Khanna executive director and CEO, Tata Power Solar said for the automation alone the company has spent more than ₹100 crore. This is the second expansion by the company in less than three years. "We plan to have complete capacity usage of the new expansion. The whole unit is now automated and modernised. However, the important thing is through the process we did not cut our workforce instead reskilled to use these technologies now," said Khanna. The new capacity has a workforce of 1000 people.

PTI4

HEADLINE- TATA POWER SOLAR EXPANDS FACILITY

PUBLICATION-THE HINDU BUSINESS LINE

DATE- MARCH 15, 2017

EDITION- NATIONAL

Tata Power Solar expands facility

New Delhi, March 14

Tata Power Solar today said it has expanded the capacity of its cell and module manufacturing facility in Bengaluru. "The two-stage expansion doubled the company's module capacity to 400 MW from 200 MW, and increased its cell manufacturing capacity by 65 per cent from 180 MW to 300 MW," the company said in a statement. Tata Power Solar, as part of this process, modernised and fully automated entire manufacturing facility, it said. PTI

HEADLINE- KARNATAKA MULLS COMPETITIVE BIDDING FOR WIND POWER
PUBLICATION-THE HINDU BUSINESS LINE
DATE- MARCH 20, 2017
EDITION- NATIONAL

Karnataka mulls competitive bidding for wind power

Energy Minister rules out opening signed power purchase agreements for re-negotiations

M RAMESH

Chennai, March 19

After the success of the recent central government-sponsored auction of wind power capacity, Karnataka is looking to do the same.

Wind power companies have always sold energy at rates fixed by the respective State electricity regulatory commissions, and these feed-in tariffs have ruled around ₹4.50 a kWh.

Tamil Nadu, the windiest state, pays ₹4.16 a kWh. However, in the country's first tariff-based auctions, held last month, the market-determined tariffs slid to as low as ₹3.46 a kWh.

This has come as an eye-opener to State governments, who now see an opportunity in competitive bidding to procure power cheaper.

Karnataka's Energy Minister DK Shivakumar told *BusinessLine* on the sidelines of the inauguration of Tata Power Solar's expanded facilities in Bengaluru, that the State is working on a plan to auction wind capacity.

Shivakumar ruled out opening signed power purchase agreements for re-negotiations. "We can't do that," he said, but observed that feed-in tariffs would "have a natural death."

Ensuring transmission infra

He said the State wanted to make sure that the transmission infrastructure was in place before coming out with a tariff-based competitive bidding tender (in which the bidder who agrees to sell power at the cheapest prices would get contracts to put up wind power projects and sell en-



DK Shivakumar, Minister for Energy, Karnataka

ergy for 20-25 years.) Asked if Karnataka would come out with the competitive bidding tender in a year, Shivakumar said, "more or less."

It is understood that Rajasthan is also mulling competitive bidding for wind. The prospect of prices dropping as a consequence of competitive bidding was just what the wind turbine manufacturers feared, because the low tar-

iffs would put pressure on the selling prices of their turbines.

Meanwhile, Karnataka is rolling out a taluk-wise solar power capacity plan, under which each taluk would get 20 MW of capacity. Already 100 taluks have been allotted capacities and 40 more will be given soon.

The Minister stressed preference would be given to those who buy solar modules made in Karnataka.

Tata Power Solar, a subsidiary of Tata Power, has a large plant in Bengaluru that makes solar cells and modules. Shivakumar, on Tuesday, formally inaugurated the expanded facility of the plant. The ₹100-crore expansion not only double the company's module making capacity to 400 MW, but also will make it the largest in the country. It will also increase the cell capacity by 65 per cent to 300 MW.

HEADLINE- TATA POWER AGREEABLE TO BREAKEVEN TARIFF FOR MUNDRA PROJECT
PUBLICATION-THE HINDU BUSINESS LINE
DATE- MARCH 17, 2017
EDITION- NATIONAL

Tata Power agreeable to breakeven tariff for Mundra project

Apex court to hear compensatory tariff case next week

M RAMESH
Chennai, March 16

"Absolutely. No issues." This was Tata Power Ltd MD and CEO Anil Sardana's response when asked if the company is willing to settle for a tariff for the 4,000 MW Mundra project that will just cover costs and leave the company with no profits.

The Supreme Court is scheduled to hear next week the issue of awarding a compensatory tariff to Tata Power-owned Coastal Gujarat Power Ltd (CGPL), which operates the Mundra ultra mega power project (as well as a similar project of the Adani Group).

The outcome of the apex court's order will put an end to an issue that began in 2010, when the Indonesian government changed the regulations relating to pricing of coal mined there, effectively increasing the cost of coal fed to the Mundra project. Since

then, parties on either side, viz, CGPL and the bunch of electricity distribution companies that would buy CGPL's power, have taken the matter to the Central Electricity Regulatory Commission (CERC) and the Appellate Tribunal for Electricity (APTEL).

Tata Power won the mandate to set up the Mundra project through a competitive bidding process in 2006, quoting a tariff of ₹2.26 a kWh. After the change in regulations in Indonesia, it sought a compensatory tariff raise to defray the higher cost of coal.

If Tata Power wins, as it did in CERC and APTEL, it would mean life for the 4,000 MW power project; conversely, a failure at the Supreme Court might mean shutters down for the project.

When *BusinessLine* caught up with Sardana in Bengaluru on the sidelines of the inauguration of the expanded facilities of Tata Power Solar, he agreed with the view that the compensatory tariff could be fixed at a level that lets the company



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only recover costs, but allows no profits.

"I am willing to go one step more," Sardana said, adding that the company is willing to extend the term of the power purchase agreement (PPA) beyond the agreed 25 years so that the consumer will be compensated for the higher price of electricity he pays on account of the compensatory tariff. "I will extend the PPA term to give consumer cheaper power even after the 25 years are over," he said.

Sardana agreed that the sanctity of bids should be maintained. "But what can you do? You tie up for coal on a long-term basis, put your investments, but the country changes rules," he observed.

Tata Power has requested the Indian government to impress upon Indonesia to exempt the company's coal contracts from the purview of the changed regulations, but the former took the view that it is too small a business proposition for "diplomatic reasons", he added.

If it had happened only in Indonesia, we could have gone to another country, he said, noting that even Australia and South Africa had made similar changes in their regulations. Between them, Australia, South Africa and Indonesia control 99 per cent of seaborne coal. "Where do you source coal from?"

In documents submitted to the courts, Tata Power has said it will lose ₹47,500 crore over the 25-year term if it has to supply power at the agreed rate of ₹2.26 a kWh. Even if a compensatory raise is added to the tariff, it will work out to ₹2.50-2.60 a kWh, which is "still the cheapest".

Coal vs renewable

Asked if Tata Power believes it is the end of the road for coal power, Sardana pointed out that Tata Power has not added any coal power capacity in the last six years. All the capacity additions in that period came only from hydro, wind and solar, he said, noting that, with 3,050 MW of operating capacity, Tata Power (with its arms) is the largest renewable energy company in India.

However, the company has "not taken a vow" to add no coal power capacity. The company will not take such a decision unless it is confident that storage systems, which can store electricity produced by wind and solar, are reliable and cheap.

HEADLINE- TATA POWER SOLAR INVESTS RS 100 CR IN BENGALURU

PUBLICATION-DECCAN HERALD

DATE- MARCH 15, 2017

EDITION- BENGALURU

Tata Power Solar invests Rs 100 cr in Bengaluru

BENGALURU: Tata Power Solar, the largest integrated solar company owned by Tata Power, expanded the capacity of its cell and module manufacturing facility in Bengaluru on Tuesday, with an investment of Rs 100 crore.

Addressing reporters, Tata Power CEO and Managing Director Anil Sardana said the expansion plan is in line with the government's 'Make in India' game plan.

"The two-stage expansion, with an investment of Rs 100 crore, has doubled the company's module capacity to 400 MW, from 200 MW, and increased its cell manufacturing capacity by 65% from 180 MW to 300 MW. As part of this process, Tata Power Solar has modernised and fully automated entire manufacturing facility," he said.

Sardana said the gradual turnaround of the company and its expansion in capacity has been a hallmark achievement of the Tata Power Solar team, when other sector players are still facing challenges of sustained economics.

To a query on the prospects of coal-based power projects,



Anil Sardana

he said the company is ready to go with the projects if there is technology to tap the carbon dioxide emission.

"But we will stick to our plan of focussing on making Tata Power to go green by achieving 40% of energy production from renewable sources," he said.

Tata Power Solar Executive Director and CEO Ashish Khanna said the expansion and modernisation has come on the landmark achievement shipping 1 GW modules worldwide.

"This expansion, the second in less than three years, will further strengthen our leading position in the Indian solar manufacturing space. Tata Power Solar is known for its quality modules for 27 years and has one of the lowest warranty returns in the industry," he said.

When asked about the hiring strategy, Khanna said the company is looking at more reskilling initiatives.

DH News Service

HEADLINE- TATA POWER SOLAR STRENGTHENS ITS CAPABILITIES

PUBLICATION- PRAJAVANI

DATE- MARCH 17, 2017

EDITION- BENGALURU

ಟಾಟಾ ಸೋಲಾರ್ ಸಾಮರ್ಥ್ಯ ಹೆಚ್ಚಳ

ಬೆಂಗಳೂರು: ನೂರು ಕೋಟಿ ರೂಪಾಯಿ ವೆಚ್ಚದಲ್ಲಿ ಟಾಟಾ ಪವರ್ ಸೋಲಾರ್ ಬೆಂಗಳೂರಿನ ತನ್ನ ಸೌರ ಘಟಕ ಮತ್ತು ಸೌರಕೋಶ ತಯಾರಿಕಾ ಕಾರ್ಖಾನೆಯ ತಯಾರಿಕಾ ಸಾಮರ್ಥ್ಯವನ್ನು ದುಪ್ಪಟ್ಟುಗೊಳಿಸಿದೆ.

2 ಹಂತದ ವಿಸ್ತರಣೆಯಲ್ಲಿ ಬಾಗತಿಕ ಗುಣಮಟ್ಟದ ಅತ್ಯಾಧುನಿಕ ತಂತ್ರಜ್ಞಾನ ಅಳವಡಿಸಲಾಗಿದೆ. ಯಾಂತ್ರಿಕರಣದಿಂದ ಉತ್ಪಾದನೆ ದುಪ್ಪಟ್ಟಾಗಲಿದೆ.

200 ಮೆಗಾವಾಟ್ ಸೌರಘಟಕ ತಯಾರಿಕೆ ಸಾಮರ್ಥ್ಯ 400 ಮೆಗಾವಾಟ್‌ಗೆ ಹೆಚ್ಚಲಿದೆ. 'ಸೌರಕೋಶ ಉತ್ಪಾದನೆಯ ಸಾಮರ್ಥ್ಯ 180 ಮೆಗಾವಾಟ್ ನಿಂದ 300 ಮೆಗಾವಾಟ್ ಗೆ (ಶೇ 65) ಏರಲಿದೆ' ಎಂದು ಕಂಪನಿಯ ಎಂ.ಡಿ ಅನಿಲ್ ಸರ್ಡಾನಾ ಸುದ್ದಿಗೋಷ್ಠಿಯಲ್ಲಿ ತಿಳಿಸಿದರು.

'ಮೂರು ವರ್ಷಗಳ ಅವಧಿಯಲ್ಲಿ ಇದು ಎರಡನೇ ವಿಸ್ತರಣೆಯಾಗಿದ್ದು, 27 ವರ್ಷದಿಂದ ಮುಂಚೂಣಿ ಸ್ಥಾನ ಕಾಯ್ದು ಕೊಂಡಿರುವ ಟಾಟಾ ಪವರ್ ಸೋಲಾರ್ ಮತ್ತಷ್ಟು ತಾಂತ್ರಿಕ ಸುಧಾರಣೆಗಳನ್ನು ಅಳವಡಿಸಿಕೊಳ್ಳಲಿದೆ' ಎಂದು ಕಾರ್ಯಕಾರಿ ನಿರ್ದೇಶಕ ಮತ್ತು ಸಿಇಒ ಅಶೀಶ್ ಖನ್ನಾ ತಿಳಿಸಿದರು.

'30 ರಾಜ್ಯಗಳಿಗೆ ಕಂಪನಿಯ ಸೌರ ಕೋಶಗಳನ್ನು ರಫ್ತು ಮಾಡಲಾಗುತ್ತಿದ್ದು, ಕಳೆದ ಐದು ವರ್ಷಗಳಲ್ಲಿ 1 ಗೀಗಾವಾಟ್ ಸಾಮರ್ಥ್ಯದ ಶೇ 60ಕ್ಕಿಂತ ಹೆಚ್ಚಿನ ಸೌರಕೋಶ ಮತ್ತು ಘಟಕಗಳನ್ನು ರಫ್ತು ಮಾಡಲಾಗಿದೆ' ಎಂದರು.



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TATA POWER SOLAR EXPANDS, MODERNISES ITS BANGALORE MANUFACTURING FACILITY

MAR 15, 2017'

[REUTERS](#)

BRIEF-Tata Power Solar expands, modernises its Bangalore manufacturing facility



Tata Power Company Ltd

- * Tata Power solar expands and modernises its manufacturing facility
- * Two stage expansion doubled co's module capacity to 400 MW
- * Expansion & modernisation of its cell and module manufacturing facility in Bangalore
- * Two stage expansion increased co's cell manufacturing capacity to 300 MW


TATA POWER SOLAR EXPANDS FACILITY IN BENGALURU

MAR 14, 2017

[THE ECONOMIC TIMES](#)

Tata Power Solar expands facility in Bengaluru

By PTI | Updated: Mar 14, 2017, 05:33 PM IST

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NEW DELHI: Tata Power Solar today said it has expanded the capacity of its cell and module manufacturing facility in Bengaluru.

"The two-stage expansion doubled the company's module capacity to 400 MW from 200 MW, and increased its cell manufacturing capacity by 65 per cent from 180 MW to 300 MW," the company said in a statement.

Tata Power Solar, as part of this process, modernised and fully automated entire manufacturing facility, it said.

Tata Power Solar Chairman Anil Sardana said, "We are happy to see our team responding to Government of India's call of 'Make in India'... The gradual turnaround of the company and its expansion in capacity has been a hallmark achievement of Team Tata Power, when other sector players are still facing challenges of sustained economics."



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Tax planning:
How to complete all tax work before March 31

TATA POWER SOLAR EXPANDS MANUFACTURING FACILITY IN BENGALURU

MAR 14, 2017

[ET ENERGYWORLD](#)

Tata Power Solar expands manufacturing facility in Bengaluru

Tata Power Solar, as part of the process, modernised and fully automated entire manufacturing facility, the firm said.

PTI | March 14, 2017, 18:34 IST

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Tata Power Solar Chairman [Anil Sardana](#) said, "We are happy to see our team responding to Government of India's call of 'Make in India'... The gradual turnaround of the company and its expansion in capacity has been a hallmark achievement of Team Tata Power, when other sector players are still facing challenges of sustained economics."

Tata Power Solar has shipped 1 GW modules to over 30 countries, of which more than 60 per cent was shipped in the last five years, the statement said.

TATA POWER SOLAR DOUBLES MANUFACTURING CAPACITY IN BENGALURU
MAR 15, 2017
[BUSINESS STANDARD](#)

Tata Power Solar doubles manufacturing capacity in Bengaluru

The company also believes that by 2020 the consumption of solar power will go to 100 GW

Apurva Venkat | Bengaluru
March 14, 2017 Last Updated at 18:49 IST



EQ Intl Solar Magazine
Monthly Solar Magazine: Daily News & Articles on Solar Business, Tech, Finance, Policies



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Tata Power Solar on Tuesday announced that it had doubled its capacity for module manufacturing in Bengaluru. The company launched a fully automated manufacturing unit with capacity for module manufacturing increasing from 200 MW to 400 MW and 65 per cent increase in capacity of cell manufacturing from 180 MW to 300 MW.

Ashish Khanna, executive director and CEO of Tata Power Solar, said that for the automation alone the company has spent more than Rs 100 crore. This is the second expansion by the company in less than three years.

"We plan to have complete capacity usage of the new expansion. The whole unit is now automated and modernised. However, the important thing is that through the process we did not cut our workforce instead re-skilled to use these technologies now," said Khanna. The new capacity has a workforce of 1,000 people.

"This expansion and modernisation has come on the backdrop of our landmark achievement on being the first Indian company to have shipped 1 GW modules worldwide," added Khanna.

The company also believes that by 2020 the consumption of solar power will go to 100 GW.

"The cost has come down. This is mainly because the cost of silicon, which is the raw material, has come down. This is very good and will be an added advantage to the consumers," said Anil Sardana, chairman Tata Power Solar.

Tata Power Solar, rated tier-1 module manufacturer by BNEF (Bloomberg New Energy Fund), has shipped 1 GW modules to over 30 countries, of which more than 60 per cent was shipped in the last five years.

In one of the largest mergers and acquisition in the space of renewable energy, Tata Powers Co Limited had acquired renewable energy division of Welspun Enterprise at Rs 10,000 crore. Through the deal it has acquired 900 MW solar power project assets in India.

TATA POWER SOLAR EXPANDS BENGALURU MANUFACTURING FACILITY

MAR 14, 2017

[BUSINESS STANDARD](#)

Tata Power Solar expands Bengaluru manufacturing facility

To meet growing demand for modules, it raises capacity of module & cell by 100% & 65%, respectively

BS B2B Bureau | Bengaluru

March 14, 2017 Last Updated at 17:30 IST



Tata Power Solar raises capacity of Bengaluru facility

Tata Power Solar, India's largest integrated solar company, has announced a significant expansion and modernisation of its solar cell and module manufacturing facility in Bengaluru. The two-stage expansion doubled the company's module capacity to 400 from 200 MW, and increased its cell manufacturing capacity by 65 per cent from 180 to 300 MW.

Tata Power Solar, as part of this process, modernised and fully automated its entire manufacturing facility. The company was also able to ramp-up to full capacity in record time, significantly better than global benchmarks, owing to its highly skilled and trained team and also improve efficiency of its modules.

Anil Sardana, chairman, Tata Power Solar, said, "We are happy to see our team responding to Government of India's call of 'Make in India'. A robust domestic, qualitative manufacturing base is the backbone of any nation and is a strong foundation for long-term viability of sector. The gradual turnaround of the company and its expansion in capacity has been a hall mark achievement of Team Tata

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[Tata Power Solar becomes first Indian firm to ship out 1 GW solar modules](#)

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[Solar capacity grows over 3 fold to 10,000 Mw in three years](#)

Power, when other sector players are still facing challenges of sustained economics.”

The expansion is Tata Power Solar's second in less than three years. The company, which is one of the pioneers in the Indian solar manufacturing space, has been known for its quality modules for 27 years and has one of the lowest warranty returns in the industry.

Ashish Khanna, executive director & CEO, Tata Power Solar, added, “This expansion and modernisation has come on the backdrop of our landmark achievement on being the first Indian company to have shipped 1 GW modules worldwide. We have again demonstrated our long-term commitment to manufacturing the best quality panels for our international as well as Indian clients. This also validates our capability to manufacture solar panels and cells, comparable to the best in the world, and confidence of guaranteeing these products for 25 years of high quality performance. Our pragmatic approach of continuous investment in technology has helped us stay relevant and sustain our leadership position in India for over 27 years.”

The government's renewable energy mission of 100 GW by 2022 has given significant impetus to the industry. There is a strong intent from the Government to promote domestic solar manufacturing and facilitate the sector's growth through 'Make in India' cells and modules.

Tata Power Solar, rated tier-1 module manufacturer by BNEF (Bloomberg New Energy Fund), has shipped 1 GW modules to over 30 countries, of which more than 60 percent was shipped in the last five years.

TATA POWER SOLAR DOUBLES MODULE MANUFACTURING CAPACITY TO 400MW

MAR 14, 2017

[LIVE MINT](#)

Tata Power Solar doubles module manufacturing capacity to 400MW

Unless Indian solar manufacturers receive further incentives, it would be difficult to compete with Chinese imports, says Ashish Khanna, executive director and CEO, Tata Power Solar

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Deepti Govind



Since inception, Tata Power Solar Systems Pvt. Ltd—a unit of Tata Power Co. Ltd—has shipped 1GW modules to over 30 countries, with over 60% of that in the past five years alone. Photo: Mint

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Solar power hits

Bengaluru: Tata Power Solar Systems Pvt. Ltd, a unit of power producer Tata Power Co. Ltd, on Tuesday said it has doubled its solar module capacity to 400 megawatt (MW) from 200 MW and increased its cell manufacturing capacity by 65% to 300 MW from 180 MW at its plant in Bengaluru, India.

Tata Power Solar, which was founded as a joint venture between Tata Power and British Petroleum Solar (BP Solar) in 1989, is one of the largest manufacturers of solar modules in the country. Solar photovoltaic (PV) modules, a key component in setting up of solar plants, make up for nearly 60% of a solar project's cost. Module prices have been on a downward trend for the past two years due to a global oversupply.

As part of its expansion, the second one in less than three years, the company said it has also modernized and fully automated its entire manufacturing facility.

While executives at the company refrained from giving an exact amount, such kind of capacity expansions require an investment of more than Rs100 crore, they said at a media briefing on Tuesday.

"I think our products are faring much better than what we expected on paper," said Ashish Khanna, executive director and chief executive of Tata Power Solar.

The firm's expansion plan comes even as the government has set itself a target of adding 100GW of solar capacity and 60GW of wind capacity by 2022. India currently has a total installed solar power capacity of over 9GW and is expected to double to 18GW in the current calendar year.

"Silicon prices have reduced by virtue of which the cell and the module prices have come down. I don't think viability is under question. What is important is the silicon prices, if they see the reverse trend then there will be a challenge. Otherwise if they continue to go down, it's good for the customer, it's good for everyone," said Anil Sardana, chairman of Tata Power Solar.

Since inception, Tata Power Solar has shipped 1GW modules to over 30 countries, with over 60% of that in the past five years alone. But what has it, and other domestic solar module manufacturers worried is that they could lose out to inexpensive imports from China. Eight out of the top 10 solar module suppliers in the Indian market are now from China as against just four last year, according to Bridge to India, Mint reported in September.

"The current support system is primarily based on MSIPs (modified special incentive package scheme), where we get certain benefits on the capex employed but other than that there is no direct benefit, other than the market. The government is providing the market, a portion of the overall market is available only for the domestic segment. But if you ask me direct incentives, that's not there," said Khanna.

Unless Indian solar manufacturers receive further incentives, it would be difficult to compete with China, he said, adding that his firm has a market outside the country where quality is appreciated and there are anti-dumping duties against Chinese products that level out the playing field – such as the US, UK and Europe.

SOLAR MODULE MAKER WAAREE ENERGIES LOOKS TO RAISE \$100 MILLION

MAR 16, 2017

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Solar module maker Waaree Energies looks to raise \$100 million

Waaree Energies's fundraising effort comes in the backdrop of falling solar power tariffs because of plunging prices of solar modules

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Utpal Bhaskar



Waaree Group has a 500 MW solar module manufacturing plant at Surat in Gujarat. Photo: AFP

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SunEdison India

New Delhi: Waaree Energies Ltd, one of India's largest solar module manufacturers, has appointed consulting firm EY to raise around \$100 million.

The fundraising effort comes in the backdrop of falling solar power tariffs because of plunging prices of solar modules. Module prices are expected to extend their drop in 2017 as global supply exceeds demand.

"Waaree Energies has been looking to raise funds. EY is running the process," said a person aware of the development, requesting anonymity.

According to information available on Waaree Group's website, the company has a 500 MW module manufacturing plant at Surat in Gujarat.

"They (Waaree Energies) are trying to raise around \$100 million," said a second person aware of the development, who also didn't want to be named.

Indian solar power producers may get module prices relief

Most solar power developers in India have been sourcing solar modules and equipment from countries such as China where they are cheaper. India's solar power generation capacity has increased by a third to 10,000 MW from 2,650 MW as of 26 May 2014. Of India's installed power generation capacity of 314,642 MW, green energy accounts for 16%, or 50,018 MW. "As the largest supplier and installer of solar modules, China will continue to drive global pricing. The country's demand is expected to be up to 20% lower than in 2016—as against a record 34 GW of installations in 2016, it is expected to add only about 28 GW in 2017—putting downward pressure on prices," consulting firm Bridge to India in a 6 March note.

This is on account of record low Indian solar power tariffs. Solar power project developers placed an all time low bid of Rs2.97 per kWh to win contracts to build a 750 MW project at Rewa in Madhya Pradesh. Under the Rewa contracts, there will be 5 paise per annum escalation in tariff for 15 years. A so-called levelized tariff—the value financially equivalent to different annual tariffs over the period of the power purchase agreement (PPA)—of around Rs3.30 per unit will be levied.

India module makers such as Waaree, Tata Power Solar Systems Pvt. Ltd and Vikram Solar Pvt. Ltd have a manufacturing capacity of around 6 gigawatts (GW). Adani Group's renewable energy arm is setting up a 1.2 GW module manufacturing plant in Gujarat. Domestic manufacturers are worried that they may lose out to inexpensive imports from China.

The government is working on a plan for making domestic manufacturing of solar power generation equipment competitive vis-à-vis other countries such as China. As part of this strategy, the government plans to come out with a policy to promote **manufacturing of the entire range of solar power generation equipment in the country.**

Queries emailed to the spokespersons of Waaree Energies. An EY spokesperson, in an emailed response, declined comment and said, "we generally do not comment on any company-specific developments."

Analysts predict more pain ahead for module manufacturers.

"We believe that 2017 is likely to end with prices in the range of US¢ 25-26/Wp. That would be equivalent to a 20% decline in annual terms following the 26% decline in 2016. This is very welcome news for project developers and power purchasers in India. It would bolster demand and ease financial concerns of developers and lenders when levelized tariffs have fallen below INR 3.30 (US¢ 4.9)/kWh," the Bridge to India note added.

TATA POWER AGREEABLE TO BREAKEVEN TARIFF FOR MUNDRA PROJECT

MAR 17, 2017

[THE HINDU BUSINESS LINE](#)

Tata Power agreeable to breakeven tariff for Mundra project

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If Tata Power wins, it would mean life for the 4,000 MW power plant; conversely, a failure at the Supreme Court might mean shutters down for the project.

Apex court to hear compensatory tariff case next week

CHENNAI, MARCH 16: "Absolutely. No issues." This was Tata Power Ltd MD and CEO Anil Sardana's response when asked if the company is willing to settle for a tariff for the 4,000 MW Mundra project that will just cover costs and leave the company with no profits.

The Supreme Court is scheduled to hear next week the issue of awarding a compensatory tariff to Tata Power-owned Coastal Gujarat Power Ltd (CGPL), which operates the Mundra ultra mega power project (as well as a similar project of the Adani Group).

The outcome of the apex court's order will put an end to an issue that began in 2010, when the Indonesian government changed the regulations relating to pricing of coal mined there, effectively increasing the cost of coal fed to the Mundra project. Since then, parties on either side, viz, CGPL and the bunch of electricity distribution companies that would buy CGPL's power, have taken the matter to the Central Electricity Regulatory Commission (CERC) and the Appellate Tribunal for Electricity (APTEL).

Tata Power won the mandate to set up the Mundra project through a competitive bidding process in 2006, quoting a tariff of ₹2.26 a kWh. After the change in regulations in Indonesia, it sought a compensatory tariff raise to defray the higher cost of coal.

If Tata Power wins, as it did in CERC and APTEL, it would mean life for the 4,000 MW power project; conversely, a failure at the Supreme Court might mean shutters down for the project.

When *BusinessLine* caught up with Sardana in Bengaluru on the sidelines of the inauguration of the expanded facilities of Tata Power Solar, he agreed with the view that the compensatory tariff could be fixed at a level that lets the company only recover costs, but allows no profits.

"I am willing to go one step more," Sardana said, adding that the company is willing to extend the term of the power purchase agreement (PPA) beyond the agreed 25 years so that the consumer will be compensated for the higher price of electricity he pays on account of the compensatory tariff. "I will extend the PPA term to give consumer cheaper power even after the 25 years are over," he said.

Sardana agreed that the sanctity of bids should be maintained. "But what can you do? You tie up for coal on a long-term basis, put your investments, but the country changes rules," he observed.

Tata Power has requested the Indian government to impress upon Indonesia to exempt the company's coal contracts from the purview of the changed regulations, but the former took the view that it is too small a business proposition for "diplomatic reasons", he added.

If it had happened only in Indonesia, we could have gone to another country, he said, noting that even Australia and South Africa had made similar changes in their regulations. Between them, Australia, South Africa and Indonesia control 99 per cent of seaborne coal. "Where do you source coal from?"

In documents submitted to the courts, Tata Power has said it will lose ₹47,500 crore over the 25-year term if it has to supply power at the agreed rate of ₹2.26 a kWh. Even if a compensatory raise is added to the tariff, it will work out to ₹2.50-2.60 a kWh, which is "still the cheapest".

Coal vs renewable

Asked if Tata Power believes it is the end of the road for coal power, Sardana pointed out that Tata Power has not added any coal power capacity in the last six years. All the capacity additions in that period came only from hydro, wind and solar, he said, noting that, with 3,050 MW of operating capacity, Tata Power (with its arms) is the largest renewable energy company in India.

However, the company has "not taken a vow" to add no coal power capacity. The company will not take such a decision unless it is confident that storage systems, which can store electricity produced by wind and solar, are reliable and cheap.

KARNATAKA MULLS COMPETITIVE BIDDING FOR WIND POWER

MAR 19, 2017

[THE HINDU BUSINESS LINE](#)

Karnataka mulls competitive bidding for wind power

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DK Shivakumar, Minister for Energy, Karnataka

Energy Minister rules out opening signed power purchase agreements for re-negotiations

CHENNAI, MARCH 19: After the success of the recent central government-sponsored auction of wind power capacity, Karnataka is looking to do the same.

Wind power companies have always sold energy at rates fixed by the respective State electricity regulatory commissions, and these feed-in tariffs have ruled around ₹4.50 a kWhr.

Tamil Nadu, the windiest state, pays ₹4.16 a kWhr. However, in the country's first tariff-based auctions, held last month, the market-determined tariffs slid to as low as ₹3.46 a kWhr.

This has come as an eye-opener to State governments, who now see an opportunity in competitive bidding to procure power cheaper.

Karnataka's Energy Minister DK Shivakumar told *BusinessLine* on the sidelines of the inauguration of Tata Power Solar's expanded facilities in Bengaluru, that the State is working on a plan to auction wind capacity.

Shivakumar ruled out opening signed power purchase agreements for re-negotiations. "We can't do that," he said, but observed that feed-in tariffs would "have a natural death."

Ensuring transmission infra

He said the State wanted to make sure that the transmission infrastructure was in place before coming out with a tariff-based competitive bidding tender (in which the bidder who agrees to sell power at the cheapest prices would get contracts to put up wind power projects and sell energy for 20-25 years.) Asked if Karnataka would come out with the competitive bidding tender in a year, Shivakumar said, "more or less."

It is understood that Rajasthan is also mulling competitive bidding for wind. The prospect of prices dropping as a consequence of competitive bidding was just what the wind turbine manufacturers feared, because the low tariffs would put pressure on the selling prices of their turbines.



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Finance, Policies



Meanwhile, Karnataka is rolling out a taluk-wise solar power capacity plan, under which each taluk would get 20 MW of capacity. Already 100 taluks have been allotted capacities and 40 more will be given soon.

The Minister stressed preference would be given to those who buy solar modules made in Karnataka.

Tata Power Solar, a subsidiary of Tata Power, has a large plant in Bengaluru that makes solar cells and modules. Shivakumar, on Tuesday, formally inaugurated the expanded facility of the plant. The ₹100-crore expansion not only double the company's module making capacity to 400 MW, but also will make it the largest in the country. It will also increase the cell capacity by 65 per cent to 300 MW.

(This article was published on March 19, 2017)

TATA POWER SOLAR EXPANDS FACILITY IN BENGALURU

MAR 14, 2017

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Tata Power Solar expands facility in Bengaluru

BUSINESS Updated: Mar 14, 2017 17:03 IST

 PTI Bengaluru



Tata Power Solar today said it has expanded the capacity of its cell and module manufacturing facility in Bengaluru. (Livemint)

Tata Power Solar today said it has expanded the capacity of its cell and module manufacturing facility in Bengaluru.

“The two-stage expansion doubled the company’s module capacity to 400 MW from 200 MW, and increased its cell manufacturing capacity by 65% from 180 MW to 300 MW,” the company said in a statement.

Tata Power Solar, as part of this process, modernised and fully automated entire manufacturing facility, it said.

Tata Power Solar Chairman Anil Sardana said, “We are happy to see our team responding to Government of India’s call of ‘Make in India’... The gradual turnaround of the company and its expansion in capacity has been a hallmark achievement of Team Tata Power, when other sector players are still facing challenges of sustained economics.”

TATA POWER SOLAR INVESTS RS 100 CR IN BENGALURU

MAR 15, 2017

[DECCAN HERALD](#)

Tata Power Solar invests Rs 100 cr in Bengaluru

Bengaluru: March 15, 2017, DHNS



Anil Sardana

Tata Power Solar, the largest integrated solar company owned by Tata Power, expanded the capacity of its cell and module manufacturing facility in Bengaluru on Tuesday, with an investment of Rs 100 crore.

Addressing reporters, Tata Power CEO and Managing Director Anil Sardana said the expansion plan is in line with the government's 'Make in India' game plan.

"The two-stage expansion, with an investment of Rs 100 crore, has doubled the company's module capacity to 400 MW, from 200 MW, and increased its cell manufacturing capacity by 65% from 180 MW to 300 MW. As part of this process, Tata Power Solar has modernised and fully automated entire manufacturing facility," he said.

Sardana said the gradual turnaround of the company and its expansion in capacity has been a hallmark achievement of the Tata Power Solar team, when other sector players are still facing challenges of sustained economics.

To a query on the prospects of coal-based power projects, he said the company is ready to go with the projects if there is technology to tap the carbon dioxide emission.

"But we will stick to our plan of focussing on making Tata Power to go green by achieving 40% of energy production from renewable sources," he said.

Tata Power Solar Executive Director and CEO Ashish Khanna said the expansion and modernisation has come on the landmark achievement shipping 1 GW modules worldwide.

"This expansion, the second in less than three years, will further strengthen our leading position in the Indian solar manufacturing space. Tata Power Solar is known for its quality modules for 27 years and has one of the lowest warranty returns in the industry," he said.

When asked about the hiring strategy, Khanna said the company is looking at more reskilling initiatives.

DH News Service

Tata Power Solar is rated a tier 1 module manufacturer by BNEF (Bloomberg New Energy Fund). It has shipped 1 GW modules to over 30 countries, of which more than 60% was shipped in the last five years.

The company has its manufacturing facility in Bengaluru only. It has completed more than 330 MW of ground-mount utility scale and 140 MW of rooftop and distributed generation projects across the country till date.

The renewable industry is getting a lot more government attention with its renewable energy mission of achieving 100 GW by 2022.

TATA POWER SOLAR NEARLY DOUBLES MANUFACTURING CAPACITY IN BANGALORE

MAR 15, 2017

[PV TECH](#)

Tata Power Solar nearly doubles manufacturing capacity in Bangalore

By Tom Kenning | Mar 15, 2017 10:14 AM GMT |  0

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Ashish Khanna, executive director and CEO, Tata Power Solar, said the industry requires continuous investment in technologies. Credit: Tom Kenning

Integrated PV firm Tata Power Solar has doubled its module manufacturing capacity and raised its cell capacity by 65% at its plant in Bangalore, southern India.

The firm has also modernised and fully automated the whole facility, while claiming to have reached full capacity in record time and ahead of global benchmarks.

Tata's second expansion in three years, made to keep up with increasing demand, brings the facility from 200MW to 400MW in modules and 180MW to 300MW in cells.

At the firm's Delhi offices in January, Ashish Khanna, executive director and CEO, Tata Power Solar, told PV Tech: "This industry requires continuous investment in technologies, unlike many other industries. If you look at automobiles then [investments] are incremental, but solar is one where, if you are in the manufacturing area, you have to continuously invest in technologies. Otherwise you are not at the helm of the technologies or the product will die its own death."

He said that orders tend to come for more than 100MW at a time in the current market, hence the need to expand and automate - adding that automation also helps to improve quality.

Khanna also said that two factors have particularly helped Tata in the past. Firstly, its export market has been "well appreciated", having last year exported 50-60MW of modules to mature markets such as the UK. Secondly, the Domestic Content Requirement (DCR), which mandates developers to source locally-made equipment for certain PV projects has driven demand.

However, the World Trade Organisation (WTO) recently ruled against the DCR in the US's trade dispute with [India](#).

Khanna said: "DCR is a setback, no doubt about it, but there are other options that if government actually agrees to and takes a call on, it is very easy. In the current scenario, if it goes off in the absence of any other opportunity, it is a setback."

Since then power minister Piyush Goyal has said the previously-touted incentives package for domestic firms will not be moving forward for the foreseeable future.

In February, Tata Power Solar became the first Indian manufacturer to achieve the 1GW milestone in terms of PV module shipments worldwide. It has shipped to more than 30 countries with 60% taking place in the last five years.

Referring to the latest expansion in a company release on Wednesday, Khanna also said: "This also validates our capability to manufacture solar panels and cells, comparable to the best in the world, and confidence of guaranteeing these products for 25 years of high quality performance. Our pragmatic approach of continuous investment in technology has helped us stay relevant and sustain our leadership position in India for over 27 years."

Anil Sardana, chairman, Tata Power Solar, added: "We are happy to see our team responding to Government of India's call of 'Make in India'. A robust domestic, qualitative manufacturing base is the backbone of any nation and is a strong foundation for long-term viability of sector. The gradual turnaround of the company and its expansion in capacity has been a hall mark achievement of Team Tata Power, when other sector players are still facing challenges of sustained economics."

Khanna discussed price sensitivity in the Indian market and the solar park model in an interview with PV Tech published last month.

TATA POWER SOLAR DOUBLES DOMESTIC MODULE CAPACITY TO 400 MW

MAR 15, 2017

[PV MAGAZINE](#)

Tata Power Solar doubles domestic module capacity to 400 MW

The Indian solar producer has also increased its cell manufacturing capacity at its Bengaluru facility to 300 MW as it responds to the government's Make in India program.

MARCH 15, 2017 IAN CLOVER

MANUFACTURING

MODULES & UPSTREAM MANUFACTURING

INDIA



Tata Power Solar has increased its module capacity to 400 MW, and cell capacity to 300 MW.

Photo credit: Tata Power



Shanghai · China 19-21 April

Tata Power Solar, the solar power arm of the Indian industrial conglomerate Tata, has announced that it has doubled its solar module manufacturing capacity and increased its cell capacity by 65% in response to the government's Make in India program.

Rising from 200 MW to 400 MW, module capacity at the Tata Power Solar fab in Bengaluru is now one of the largest in the country, with cell capacity now up from 180 MW to 300 MW.

As part of the expansion, Tata Power Solar has also made the facility entirely automated, and ramped-up capacity in what the company claims is record time.

"We are happy to see our team responding to the government of India's call of 'Make in India,'" said Tata Power Solar chairman Anil Sardana. "A robust domestic, qualitative manufacturing base is the backbone of any nation and is a strong foundation for long-term viability of the sector."

The Modi government has been swift in its support of growing India's installed renewable energy base, with solar capacity tripling on the past three years to reach 10 GW of cumulative solar power installed. However, much of this growth has been achieved with the use of lower-cost solar components from China, with Indian-made produce barely getting a look-in.

In the middle portion of last year, analysis from Mercom Capital Group shows, India imported \$1 billion in solar products during a period when the sector's entire import and export activity was \$1.22 billion. These figures paint a clear picture of the imbalance that exists, and with Indian solar modules still an average of 10% more expensive than Chinese modules, change is far from the horizon.

Prior to Tata Power Solar's capacity increase, Mercom calculated that India had 8,008 MW and 2,815 MW of module and cell production capacity respectively. However, a vast portion of this potential capacity remains idle and outdated, with operational capacity closer to 5.2 GW (modules) and 1.4 GW (cell).

Factors holding back Indian domestic solar manufacturing are many, not least a lack of support from the government, despite the programs put in place under the Make in India scheme. Some tenders issued under the National Solar Mission (NSM) do reserve some capacity that must be built with domestically produced solar components, but India's previous Domestic Content Regulations (DCR) have already fallen foul of World Trade Organization (WTO) rulings.

However, Tata Power Solar CEO Ashish Khanna is confident that the Tier-1 firm's support of domestic manufacturing will set India's solar industry in good stead over the coming years, which are expected to see the nation add a further 90 GW of capacity by 2022.

"This expansion and modernization has come on the backdrop of our landmark achievement on being the first Indian company to have shipped 1 GW of modules worldwide," said Khanna. "We have again demonstrated our long-term commitment to manufacturing the best quality panels for our international as well as Indian clients."

TATA POWER SOLAR EXPANDS FACILITY IN BENGALURU

MAR 14, 2017

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Tata Power Solar expands facility in Bengaluru

INDIA

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The two-stage expansion doubled the company's module capacity to 400 MW from 200 MW, and increased its cell manufacturing capacity by 65 per cent from 180 MW to 300 MW.

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TATA POWER SOLAR EXPANDS AND MODERNISES ITS MANUFACTURING FACILITY

MAR 14, 2017

[ENERGY INFRA POST](#)

Tata Power Solar Expands and Modernises its Manufacturing Facility

By Team EnergyInfraPost on March 14, 2017 · No Comment

Tata Power Solar increases module capacity by 100% and cell capacity by 65% to cater to increasing demand for high quality modules



Keeping up with Government of India's progressive 'Make in India' plan of domestic production with enhanced efficiency of a solar cells and modules, Tata Power Solar, India's largest integrated solar company, announced a significant expansion and modernisation of its cell and module manufacturing facility in Bengaluru.

The two-stage expansion doubled the company's module capacity to 400 from 200 MW, and increased its cell manufacturing capacity by 65 per cent from 180 to 300 MW.

Tata Power Solar, as part of this process, modernised and fully automated its entire manufacturing facility. The company was also able to ramp-up to full capacity in record time, significantly better than global benchmarks, owing to its highly skilled and trained team and also improve efficiency of its modules.

Talking about the expansion, **Anil Sardana, Chairman, Tata Power Solar**, said, "We are happy to see our team responding to Government of India's call of 'Make in India'. A robust domestic, qualitative manufacturing base is the backbone of any nation and is a strong foundation for long-term viability of sector. The gradual turnaround of the company and its expansion in capacity has been a hall mark achievement of Team Tata Power, when other sector players are still facing challenges of sustained economics."

This expansion, the second in less than three years, is a testimony to Tata Power Solar's commitment to manufacturing, in line with India's 'Make in India' campaign. The company, which is a pioneer in the Indian solar manufacturing space, has been known for its quality modules for 27 years and has one of the lowest warranty returns in the industry.

READ [India's solar market expected to grow by 90% in 2017](#)

Ashish Khanna, Executive Director & CEO, Tata Power Solar, said, "This expansion and modernization has come on the backdrop of our landmark achievement on being the 1st Indian company to have shipped 1 GW modules worldwide. We have again demonstrated our long-term commitment to manufacturing the best quality panels for our international as well as Indian clients. This also validates our capability to manufacture solar panels and cells, comparable to the best in the world, and confidence of guaranteeing these products for 25 years of high quality performance. Our pragmatic approach of continuous investment in technology has helped us stay relevant and sustain our leadership position in India for over 27 years."

Tata Power Solar is rated tier-1 module manufacturer by BNEF (Bloomberg New Energy Fund). They have shipped 1 GW modules to over 30 countries, of which more than 60% was shipped in the last five years.

The Government's renewable energy mission of 100 GW by 2022 has given significant impetus to the industry. There is a strong intent from the Government to promote domestic solar manufacturing and facilitate the sector's growth through 'Make in India' cells and modules.

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.

INDIA'S TATA POWER UPGRADES SOLAR MODULE FACTORY, DOUBLES CAPACITY

MAR 15, 2017

[RENEWABLES NOW](#)

India's Tata Power upgrades solar module factory, doubles capacity

March 15 (Renewables Now) - The solar unit of Indian utility Tata Power Co Ltd (BOM:500400) has completed an upgrade of its factory in Karnataka state, doubling its production capacity for solar modules and increasing that for cells by 65%.

Tata Power Solar Systems Pvt Ltd has expanded its module manufacturing capacity at the Bengaluru facility to 400 MW from 200 MW, while its cell production capacity went up to 300 MW from 180 MW. The company has also modernised and fully-automated the entire plant, it said in a statement.

Speaking at a media briefing on Tuesday, company executives said, as cited by local newspaper Mint, that such upgrades require an investment of over INR 1 billion (USD 15.2m/EUR 14.3m). They, however, did not give an exact figure.

To date, Tata Power Solar has shipped over 1 GW of modules to more than 30 countries.



Solar modules. Author: Oregon Department of Transportation. License: Creative Commons, Attribution 2.0 Generic.

TATA POWER SOLAR EXPANDS FACILITY IN BENGALURU

MAR 14, 2017

[GREEN TECH LEAD](#)

Tata Power Solar expands manufacturing facility in Bengaluru

March 14, 2017



Tata Power Solar announced significant expansion and modernization of its manufacturing facility in Bengaluru, India.

In a press conference conducted today, Tata Power Solar said the two-stage expansion helped the company double its module capacity to 400 MW from 200 MW, and increase its cell manufacturing capacity by 65 percent from 180 to 300 MW.

Talking about the expansion, Anil Sardana, chairman, Tata Power Solar, said, "A robust domestic, qualitative manufacturing base is the backbone of any nation and is a strong foundation for long-term viability of the sector. The gradual turnaround of the company and its expansion in capacity has been a hallmark achievement of Team Tata Power, when other sector players are still facing challenges of sustained economics."

The expansion comes on the backdrop of the recent achievement of Tata Power Solar on being the first Indian company to have shipped 1 GW module worldwide.

"Our pragmatic approach of continuous investment in technology has helped us stay relevant and sustain our leadership position in India for over 27 years," said Ashish Khanna, executive director and CEO, Tata Power Solar.

Shreya Joshi / Akash Singh

TATA POWER SOLAR EXPANDS AND MODERNIZES ITS SOLAR MODULE MANUFACTURING FACILITY

MAR 14, 2017

[SAUR ENERGY](#)

Tata Power Solar Expands and Modernizes its Solar Module Manufacturing Facility

Published On Tue, Mar 14th, 2017



The expansion and modernization of its manufacturing facility will increase solar module capacity by 100% and cell capacity by 65% to cater to increasing demand for high quality solar panels.

Keeping up with Government of India's progressive 'Make in India' plan of domestic production with enhanced efficiency of a solar cells and solar modules, Tata Power Solar, India's largest integrated solar company, announced a significant expansion and modernization of its cell and solar module manufacturing facility in Bengaluru. The two-stage expansion doubled the company's module capacity to 400 from 200 MW, and increased its cell manufacturing capacity by 65 per cent from 180 to 300 MW.

Tata Power Solar, as part of this process, modernized and fully automated its entire manufacturing facility. The company was also able to ramp-up to full capacity in record time, significantly better than global benchmarks, owing to its highly skilled and trained team and also improve efficiency of its modules.

Talking about the expansion, Anil Sardana, Chairman, Tata Power Solar, said, "We are happy to see our team responding to Government of India's call of 'Make in India'. A robust domestic, qualitative manufacturing base is the backbone of any nation and is a strong foundation for long-term viability of sector. The gradual turnaround of the company and its expansion in capacity has been a hall mark achievement of Team Tata Power, when other sector players are still facing challenges of sustained economics."

This expansion, the second in less than three years, is a testimony to Tata Power Solar's commitment to manufacturing, in line with India's 'Make in India' campaign. The company, which is a pioneer in the Indian solar module manufacturing space, has been known for its quality modules for 27 years and has one of the lowest warranty returns in the industry.

Ashish Khanna, Executive Director & CEO, Tata Power Solar, said, "This expansion and modernization has come on the backdrop of our landmark achievement on being the 1st Indian company to have shipped 1 GW modules worldwide. We have again demonstrated our long-term commitment to manufacturing the best quality panels for our international as well as Indian clients. This also validates our capability to manufacture solar module and cells, comparable to the best in the world, and confidence of guaranteeing these products for 25 years of high quality performance. Our pragmatic approach of continuous investment in technology has helped us stay relevant and sustain our leadership position in India for over 27 years."

Tata Power Solar is rated tier-1 solar module manufacturer by BNEF (Bloomberg New Energy Fund). The company has shipped 1 GW solar modules to over 30 countries, of which more than 60% was shipped in the last five years. The Government's renewable energy mission of 100 GW by 2022 has given significant impetus to the industry. There is a strong intent from the Government to promote domestic solar module manufacturing and facilitate the sector's growth through 'Make in India' cells and modules.

TATA POWER SOLAR EXPANDS FACILITY IN BENGALURU

MAR 14, 2017

[OUTLOOK](#)

Tata Power Solar expands facility in Bengaluru

Tata Power Solar Chairman Anil Sardana said, "We are happy to see our team responding to Government of India's call of 'Make in India' The gradual turnaround of the company and its expansion in capacity has been a hallmark achievement of Team Tata Power, when other sector players are still facing challenges of sustained economics"



New Delhi, Mar 14 Tata Power Solar today said it has expanded the capacity of its cell and module manufacturing facility in Bengaluru.

"The two-stage expansion doubled the company's module capacity to 400 MW from 200 MW, and increased its cell manufacturing capacity by 65 per cent from 180 MW to 300 MW," the company said in a statement.

Tata Power Solar, as part of this process, modernised and fully automated entire manufacturing facility, it said.

Tata Power Solar Chairman **Anil Sardana** said, "We are happy to see our team responding to Government of **India's** call of 'Make in India'... The gradual turnaround of the company and its expansion in capacity has been a hallmark achievement of Team Tata Power, when other sector players are still facing challenges of sustained economics."

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Tata Power Solar has shipped 1 GW modules to over 30 countries, of which more than 60 per cent was shipped in the last five years, the statement said.

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TATA POWER SOLAR EXPANDS FACILITY IN BENGALURU

MAR 14, 2017

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Tata Power Solar expands facility in Bengaluru



PTI

March 14, 2017 | UPDATED 16:35 IST

A + A -

New Delhi, Mar 14 (PTI) Tata Power Solar today said it has expanded the capacity of its cell and module manufacturing facility in Bengaluru. "The two-stage expansion doubled the companys module capacity to 400 MW from 200 MW, and increased its cell manufacturing capacity by 65 per cent from 180 MW to 300 MW," the company said in a statement. Tata Power Solar, as part of this process, modernised and fully automated entire manufacturing facility, it said.

Tata Power Solar Chairman Anil Sardana said, "We are happy to see our team responding to Government of Indias call of Make in India... The gradual turnaround of the company and its expansion in capacity has been a hallmark achievement of Team Tata Power, when other sector players are still facing challenges of sustained economics."

Tata Power Solar has shipped 1 GW modules to over 30 countries, of which more than 60 per cent was shipped in the last five years, the statement said. PTI KKS SBT MR

TATA POWER SOLAR EXPANDS FACILITY IN BENGALURU

MAR 14, 2017

[MONEY CONTROL](#)

Tata Power Solar expands facility in Bengaluru

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Tata Power Solar has shipped 1 GW modules to over 30 countries, of which more than 60 per cent was shipped in the last five years, the statement said.

TATA POWER SOLAR TO EXPAND ITS SOLAR MANUFACTURING CAPACITY

MAR 15, 2017

[DALAL STREET INVESTMENT JOURNAL](#)

Tata Power Solar to expand its solar manufacturing capacity

By [DSIJ Team](#) | 3/15/2017 5:09 PM Wednesday

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Tata Power Solar Systems Ltd, India's largest integrated solar company, announced its expansion and modernisation plans at its Bangalore manufacturing facility. The expansion and modernisation plan is line with government's target of renewable energy generation of 100 GW by 2022.

The expansion will be in two stages, with doubling of module capacity to 400 MW from 200 MW and increase in cell manufacturing facility by 65 per cent from 180 MW to 300MW. The company will also be able to ramp up full capacity production in record time.

The expansion and modernisation is on the backdrop of landmark achievement on being the first Indian company to ship 1GW modules worldwide. Robust expansion in solar equipment manufacturing is backed by drop in prices of raw material such as silicon.

Also, the government is focusing more on renewable energy to achieve the target of 100GW renewable energy generation. The current expansion by the company is under the government's 'Make in India' plan for domestic production of solar modules and cells.

Tata Power opened today at Rs 83.40 mark and closed at Rs 84.80, up by 1.68 per cent.

FACILITY EXPANSION BY TATA POWER SOLAR IN BENGALURU

MAR 15, 2017

[MASTER BUILDER](#)

Facility expansion by Tata Power Solar in Bengaluru

By News Desk - March 15, 2017  116  0



New Delhi: Today, Tata Power Solar said the capacity of its cell and module manufacturing facility in Bengaluru has been expanded.

In a statement, the company has said that the two-stage expansion has doubled the company's module capacity to 400 MW from 200 MW, and has also increased its cell manufacturing capacity by 65 per cent from 180 MW to 300 MW.

It said, as part of this process, Tata Power Solar, modernised and fully automated the entire manufacturing facility.

Anil Sardana, Tata Power Solar Chairman said, "We are happy to see our team responding to Government of India's call of Make in India... The gradual turnaround of the company and its expansion in capacity has been a hallmark achievement of Team Tata Power, when other sector players are still facing challenges of sustained economics."

The statement said, 1 GW modules has been shipped to over 30 countries by Tata Power Solar, of which in the last five years more than 60 per cent was shipped.

News Source: economictimes.indiatimes.com

TATA POWER SOLAR EXPANDS BENGALURU MANUFACTURING FACILITY

MAR 14, 2017

PANCHABUTA

Tata Power Solar expands Bengaluru manufacturing facility

March 14, 2017 in [Solar](#), [Solar-Offgrid](#) [Leave a comment](#)

[According to reports](#), Tata Power Solar, India's largest integrated solar company, has announced a significant expansion and modernisation of its solar cell and module manufacturing facility in Bengaluru. The two-stage expansion doubled the company's module capacity to 400 from 200 MW, and increased its cell manufacturing capacity by 65 per cent from 180 to 300 MW.

Tata Power Solar, as part of this process, modernised and fully automated its entire manufacturing facility. The company was also able to ramp-up to full capacity in record time, significantly better than global benchmarks, owing to its highly skilled and trained team and also improve efficiency of its modules.

Anil Sardana, chairman, Tata Power Solar, said, "We are happy to see our team responding to Government of India's call of 'Make in India'. A robust domestic, qualitative manufacturing base is the backbone of any nation and is a strong foundation for long-term viability of sector. The gradual turnaround of the company and its expansion in capacity has been a hall mark achievement of Team Tata Power, when other sector players are still facing challenges of sustained economics."

The expansion is Tata Power Solar's second in less than three years. The company, which is one of the pioneers in the Indian solar manufacturing space, has been known for its quality modules for 27 years and has one of the lowest warranty returns in the industry.

Tata Power Solar, rated tier-1 module manufacturer by BNEF (Bloomberg New Energy Fund), has shipped 1 GW modules to over 30 countries, of which more than 60 percent was shipped in the last five years.

TATA POWER SOLAR EXPANDS, MODERNISES ITS BANGALORE MANUFACTURING FACILITY

MAR 15, 2017

[INVESTING](#)

BRIEF-Tata Power Solar expands, modernises its Bangalore manufacturing facility



© Reuters. BRIEF-Tata Power Solar expands, modernises its Bangalore manufacturing facility

March 15 (Reuters) - Tata Power Company Ltd [TTPW.NS](#)

- * Tata Power solar expands and modernises its manufacturing facility
- * Two stage expansion doubled co's module capacity to 400 MW
- * Expansion & modernisation of its cell and module manufacturing facility in Bangalore
- * Two stage expansion increased co's cell manufacturing capacity to 300 MW
- * Fully automated its manufacturing facility in bangalore Source text: Further company coverage: [TTPW.NS](#)

TATA POWER SOLAR EXPANDS FACILITY IN BENGALURU

MAR 14, 2017

[GLOBAL INDIAN INVESTMENTS](#)

Tata Power Solar expands facility in Bengaluru

Posted on [March 14, 2017](#) by [Moneycontrol Latest News](#)



Tata Power Solar today said it has expanded the capacity of its cell and module manufacturing facility in Bengaluru.

This entry was posted in [Global India](#), [Market News](#), [News](#). Bookmark the [permalink](#).

TATA POWER SOLAR EXPANDS MANUFACTURING FACILITY IN BENGALURU

MAR 15, 2017

[EAI](#)

Tata Power Solar expands manufacturing facility in Bengaluru

 Posted by *admin* on 15th Mar, 2017

Tata Power Solar today said it has expanded the capacity of its cell and module manufacturing facility in Bengaluru.

The two-stage expansion doubled the company's module capacity to 400 MW from 200 MW, and increased its cell manufacturing capacity by 65 per cent from 180 MW to 300 MW. [read more →](#)



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Tata Power Solar expands facility in Bengaluru



  
 14-Mar-2017 05:24  MONEYCONTROL

Tata Power Solar today said it has expanded the capacity of its cell and module manufacturing facility in Bengaluru.

TATA POWER SOLAR EXPANDS & MODERNISES MANUFACTURING FACILITY

MAR 15, 2017


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Tata Power Solar expands & modernises manufacturing facility

Source: IRIS | 15 Mar, 2017, 06.49PM

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 Tata Power Solar Systems, 100% subsidiary of **Tata Power**, has expanded and modernised its cell and module manufacturing facility in Bengaluru. The two-stage expansion doubled the company's module capacity to 400 MW from 200 MW and increased its cell manufacturing capacity by 65 per cent from 180 MW to 300 MW.

Tata Power Solar, as part of this process, modernised and fully automated its entire manufacturing facility. The company was also able to ramp-up to full capacity in record time, significantly better than global benchmarks, owing to its highly skilled and trained team and also improve efficiency of its modules.

Anil Sardana, chairman, Tata Power [\(Q.N.C.F\)](#)* Solar, said, "We are happy to see our team responding to Government of India's call of 'Make in India'. A robust domestic, qualitative manufacturing base is the backbone of any nation and is a strong foundation for long-term viability of sector. The gradual turnaround of the company and its expansion in capacity has been a hall mark achievement of Team Tata Power, when other sector players are still facing challenges of sustained economics."

Shares of the company gained Rs 1.4, or 1.68%, to settle at Rs 84.80. The total volume of shares traded was 380,419 at the BSE (Wednesday).