

750 MW Rewa Solar Project among world's largest

STAFF REPORTER ■ BHOPAL

Madhya Pradesh is in the leading position in solar energy generation in the country. The Rewa Solar Project is included among the world's largest projects. The 750 MW Rewa Solar Project costing about ₹4,000 crore has started production with full capacity. Besides, six projects of 5,000 MW are under construction.

Rewa Ultra Mega Solar Limited Company was formed as a joint venture company of Madhya Pradesh Energy Development Corporation in collaboration with Solar Energy Corporation of India for Rewa Solar Project.

This project was selected among the best projects for the Prime Minister's Award for Innovation at the state level. The minimum tariff of electricity produced in this project was ₹2.97 per unit, which was one and a half to two rupees less, compared to the tariff of 4.5 to 5 units obtained from contemporary projects.

The Rewa Solar Project is set up on an area of 1590 hectares. It is one of the largest single side solar plants in the world. Seventy-six percent of the power generated from the project is being provided to the State's Power Management Company and 24 percent to Delhi Metro. For the first time the project has provided electricity to Delhi Metro, a commercial institution outside the State, through open access. This is the country's first project, which has obtained loan from the World Bank for internal grid arrangement. The World Bank loan has been given at low rates without the guarantee of the State Government and under Clean Technology Fund (CTF).

In terms of environmental protection, 15.7 lakh tonnes of carbon dioxide emissions are being prevented every year from the Rewa Solar Project, which is equivalent to planting 2.06 crore trees.

Rewa Solar Power Project will not only make the State self-reliant in the field of renewable energy but will also make Madhya Pradesh a leader in providing electricity to other

tion in Madhya Pradesh. RUMS, a company formed for the first Rewa solar project in the State, has started work for these projects that are to be set up in Agar, Shajapur, Neemuch, Chhatarpur, Omkareshwar and Morena.

Work for setting up of solar parks for generation of 550 MW power at Agar, 450 MW at Shajapur, 500 MW at Neemuch, 1500 MW at Chhatarpur, 600 MW at the Omkareshwar floating Omkareshwar dam site and 1400 MW at Morena is in progress.

Farmers are being encouraged to make maximum use of solar energy through solar pumps in the state. So far, solar pumps have been installed for 14250 farmers under the Mukhya Mantri Solar Pump Yojana. A target has been set to install 2 lakh solar pumps in the next three years.

So far, 30 MW solar roof top plants have been installed in the State. Solar roof tops of 50 MW capacity are proposed to be installed on 700

Government buildings of the State this year. The rate obtained from the electricity generated from solar roof top plants was ₹1.38. The Government is making efforts to install roof top plants in every house so that electricity is available at low rates. Solar plants are being installed on models, in which the beneficiary does not have to pay any money to the department or institution. The plant developer will make low cost electricity available.

Solar energy is being promoted for the industrial development of the State. Work is being done on 32 MW solar roof top projects for 400 industrial units in Mandideep near Bhopal.

This will pace up development in the industrial sector by providing low cost electricity to the industries. Promotion of solar energy is the need of the hour. Prime Minister Shri Narendra Modi has set a target of producing One lakh MW of renewable energy in the country.

Keypoints

- Rewa Ultra Mega Solar Limited Company was formed as a joint venture company of Madhya Pradesh Energy Development Corporation in collaboration with Solar Energy Corporation of India for Rewa Solar Project
- This project was selected among the best projects for the Prime Minister's Award for Innovation at the state level
- The minimum tariff of electricity produced in this project was ₹2.97 per unit, which was one and a half to two rupees less, compared to the tariff of 4.5 to 5 units obtained from contemporary projects
- In terms of environmental protection, 15.7 lakh tonnes of carbon dioxide emissions are being prevented every year from the Rewa Solar Project

States and commercial establishments. Solar power projects of 5000 MW are under construction.

PM to dedicate Rewa project to nation today

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Prime Minister Narendra Modi will dedicate the Rewa Ultra Mega Solar Project, one of the world's largest solar projects, on Friday, July 10 at 11 am. Solar power production has started at full capacity in this 750 MW project costing about ₹4,000 crores. The project will be launched through video conferencing.

Madhya Pradesh Governor Anandiben Patel and Chief Minister Shivraj Singh Chouhan will join the video conference from Lucknow and Bhopal respectively. Union Minister of State (Independent Charge) Energy, New and Renewable, Energy RK Singh will also take part in the programme.

Chief Minister Shivraj Singh Chouhan had laid the foundation stone of the project on December 22, 2017. The project was completed in a record time of about two and



Rewa is set up over 1590 hectare area. It is one of the largest single side solar plants in the world. This solar power plant has a total of three units. Each unit is producing 250 MT of electricity. Seventy-six percent of the power generated from the project is being provided to the state's Power Management Company and 24 percent to Delhi Metro.

All arrangements for the dedication programme have been ensured at the project site, Gurh Rewa. Members of Parliament Janardan Mishra, Rajmani Patel, MLA Shri Rajendra Shukla, Nagendra Singh, Dnyaraj Singh, K.P. Tripathi, Shyamal Dwivedi, Shri Pradeep Patel, Girish Gautam and Panchul Prajapati will be present at the programme venue. The programme will be live on Facebook along with regional news channels besides web-links, so that maximum number of people can join.

PM inaugurates Rewa solar project

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Prime Minister Narendra Modi inaugurated the 750 MW Solar Project, considered to be largest in Asia, set up at Rewa, Madhya Pradesh on Friday. The inauguration ceremony took place through video-conferencing.

"With this solar plant at Rewa, the industries here will not only get electricity, but even the metro rail in Delhi will get its benefits. Apart from Rewa, work is underway on solar power plants in Shajapur, Neemuch and Chhatarpur", PM Modi said at the inauguration ceremony.

"Not just for the present, solar energy will be a medium of energy needs of the 21st century because solar power is sure, pure and secure", PM Modi added, saying that the biggest beneficiaries of this solar power project would be the poor, middle-class families, farmers, and tribals of the State.

The project exemplifies India's commitment to attain the target of 175 GW of installed renewable energy capacity by 2022.

The Project comprises of three solar generating units of 250 MW each located on a 500-hectare plot of land situated



inside a solar park (total area 1500 hectare). The Solar Park was developed by the Rewa Ultra Mega Solar Limited (RUMSL), a joint venture company of Madhya Pradesh UrjaVikas Nigam Limited (MPUVN), and Solar Energy Corporation of India (SECI), a Central Public Sector Undertaking.

Central Financial Assistance of ₹138 crore has been provided to RUMSL for development of the Park. The Rewa Solar Project was the first solar project in the country to break the grid parity barrier.

This project will reduce carbon emission equivalent to approx. 15 lakh ton of CO2 per

year. The project has also received World Bank Group President's Award for innovation and excellence and was included in the Prime Minister's "A Book of Innovation: New Beginnings".

"The project is also the first renewable energy project to supply to an institutional customer outside the State, i.e. Delhi Metro, which will get 24 per cent of energy from the project with remaining 76 per cent being supplied to the State DISCOMs of Madhya Pradesh", the Prime Minister's Office said.

Modi said that Chief Minister Shivraj Singh

Chouhan has taken effective measures to control corona in Madhya Pradesh. He said that with a few efforts, we can easily defeat the dreaded disease like corona by wearing masks, maintaining two yards distance, washing hands with soap for 20 seconds and not spitting everywhere. Rules must be adhered to and there should be no lack of discipline.

Inspired by the Prime Minister, Madhya Pradesh is moving ahead

Chief Minister Shivraj Singh Chouhan said that Prime Minister Modi is a "Man of Ideas" and inspired by him and his vision, Madhya Pradesh is progressing in every field. When Prime Minister Shri Narendra Modi was the Chief Minister of Gujarat, he knew that solar energy is the future energy and had started effective work in this field. For this, we created a new department in Madhya Pradesh in the year 2010. Asia's largest solar unit was launched in Neemuch by Prime Minister Shri Modi. The work of Rewa Solar Plant was started in the year 2017 inspired by the Prime Minister in the presence of Energy Minister RK Singh. "I heartily welcome and greet the Prime Minister on behalf of 7.5 crore people of the State."