

Common Wealth Games 2010 to be ‘solar powered’ by Reliance

RIL Solar Group implements Solar Power requirements for the Games Commissions India’s first 1MW solar PV power plant

Delhi, April 7, 2010: The solar energy initiative of Reliance Industries Ltd. (RIL), RIL Solar Group, has successfully implemented and commissioned India’s first 1MW solar plant on the roof of the Thyagaraj Stadium in New Delhi. The Thyagaraj Stadium, developed by the Government of Delhi, is planned to be a model green stadium and will host Netball in the upcoming Common Wealth Games. RIL Solar Group has also implemented power plants in the R K Khanna Tennis Complex as also solar LED street lights and garden lights in the Commonwealth Games Village. With these, RIL Solar Group has installed 100% of the solar PV power generating equipment for the Commonwealth Games 2010. The entire solar initiative is one of the major initiatives to compensate for CO₂ emissions to be released through the game.

RIL Solar Group installed and commissioned the country’s first 1MW solar plant in a record duration of less than 3 months. The power plant is expected to generate around 1.4 million units of electricity per year. It would cater to the power requirements of the stadium and the surplus would be fed to the grid at 11KV. The solar power generated through 1 MW solar PV power plant at the Thyagaraj Stadium is expected to result in emissions reduction of more than 1200 tonnes of CO₂ per year.

The Group has also implemented three 2.6 KWp solar PV power plants on the roof of individual tennis courts in the R K Khanna Tennis Complex, which will play host to the tennis event during the games. Further, there are 34 back-up solar PV systems of 3 KWp each along with 180 solar LED street lights and 500 garden lights in the Commonwealth Games Village which will house athletes, coaching and support staff.

Media Release

Commenting on the achievement, **Mr. Mukesh Ambani, Chairman & Managing Director, Reliance Industries Ltd.** said, “We have always believed that the renewable energy space is a natural extension of our strengths in the conventional energy platform. The nature of technical expertise and project execution demonstrated in developing the solar power infrastructure is a defining achievement for our Solar Group. We will continue our efforts in research, understanding and scaling up the deployment of these environment friendly sources of energy. Reliance Industries is privileged and honored to work with the Government of Delhi and Organizing Committee and be an integral *green* part of a show case event like the Common Wealth Games 2010.”

Some of the salient features of the 1MW solar PV plant at the Thyagaraj Stadium include:

- A kalzip type roof that minimizes the use of mounting structures in the system
- A total of 3,640 no of 280Wp modules with one of the highest efficiency of 14.1% have been used in the project.
- The entire system has been installed within a roof-space of 10,000 sq. m. (2.5 acres).
- The inverters and power evacuation systems used in the project are the best in class and have been executed by partnering with leading global companies to ensure best quality and results.

Among the other initiatives of RIL Solar include;

- 5 MWp R&D Solar PV plant at Khimsar, Rajasthan
- 50 kWp roof-top PV plant with back-up at Judicial academy, Chandigarh
- Electrified villages in various states including Maharashtra, Chhattisgarh and the North East
- 42.5 KW roof-top project to come up at HAREDA, Haryana
- Installed solar powered ATM Machines in rural areas
- Powered telecom towers (BTS) with solar power

About Reliance Industries Limited

Reliance Industries Limited (RIL) is India's largest private sector company on all major financial parameters with a turnover of Rs. 1,46,328 crore (US\$ 28.85 billion), cash profit of Rs 22,365 crore (US\$ 4.41 billion), net profit (excluding exceptional income) of Rs. 15,637 crore (US\$ 3.02 billion) and net worth of Rs 126,373 crore (US\$ 24.92 billion) as of March 31, 2009.

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RIL is the first private sector company from India to feature in the Fortune Global 500 list of 'World's Largest Corporations' and ranks 117th amongst the world's Top 200 companies in terms of profits. RIL ranks 75th in the Financial Times FT Global 500 list of the world's largest companies. RIL is rated as the 15th 'Most Innovative Company' in the World in a survey conducted by the US financial publication-Business Week in collaboration with the Boston Consulting Group.

About RIL Solar Group

It is a solar energy initiative of RIL and aims to bring solar energy systems and solutions primarily to remote and rural areas and bring about a transformation in the quality of life. As part of this initiative, Reliance Solar is developing and offering a range of products, systems and solutions - from solar lanterns, home lighting systems, street lighting systems, water purification systems, refrigeration systems to solar air conditioners - all based on solar energy.

Reliance is concurrently working on developing the upstream and midstream components in an integrated manner- from polysilicon to ingots, wafers, cells and modules. More information is available at www.relsolar.com

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