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BHEL Wins Turnkey Contract for setting up Grid-Interactive Solar Power Plant in Karnataka

Bharat Heavy Electricals Limited (**BHEL**) has won a major contract for setting up an eco-friendly Grid-Interactive Solar Power Plant of 3 MW capacity, on turnkey basis, in Karnataka. Valued at Rs.420 Million, the order for setting up the Solar Photovoltaic (SPV) Power Plant at Yapalaniddi village in Raichur District of North Karnataka, has been placed on the company by Karnataka Power Corporation Limited (KPCL). **BHEL**'s scope of work in the contract envisages engineering, manufacture, supply, erection and commissioning of the equipment, besides operation and maintenance of the plant for three years thereafter. The plant will be completed in a schedule of 8 months. As part of India's largest Solar Power-based Island Electrification Project in India, **BHEL** has also recently commissioned two Grid-Interactive Solar Power Plants of 100 KW each in Lakshadweep. With this, the company has commissioned a total of eleven Solar Power Plants in the Lakshadweep islands, adding over 1 MW of Solar Power to the power generating capacity of the coral islands in the Arabian Sea. Notably, **BHEL**'s Solar Power Plants cater to about 15% of the Union Territory's energy demand. Backed by a vast experience of over three decades, **BHEL** is one of the few leading players in the field of Solar Photovoltaics and SPV power plants in India. The SPV modules are manufactured at its ultra-modern manufacturing facility located at Bangalore. As another step towards supporting Government of India's Green Energy Initiative, **BHEL** has recently enhanced its SPV Module manufacturing facility from 3 MW to 8 MW per annum. The additional PV manufacturing facility has enabled **BHEL** to handle larger and thinner solar-grade mono/multi-crystalline silicon wafers, for which process optimisation trials have been successfully completed. Starting from small applications like Solar Powered Street Lighting, Rural Water Pumping Systems, Railway Signaling, Offshore Drilling Platforms, etc., **BHEL** has supplied and commissioned large size Stand-alone as well as Grid Interactive Solar Power Plants in a number of major cities and remote areas of the country. The company's SPV plants have enabled the people of Lakshadweep, Sagar Islands of West Bengal, Andaman & Nicobar Islands, tribal areas of Chhattisgarh, Jharkhand, etc., to vastly improve their quality of life. The Solar cells and modules manufactured by **BHEL** are also exported to various countries like Germany, Australia and Italy. The company's PV modules are certified to international standards by JRC, Ispra, Italy.

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