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BHEL secures major turnkey contracts for Grid-Connected Eco-friendly Solar Power Plants from Indiabulls

Bharat Heavy Electricals Limited (**BHEL**) has won major contracts for setting up three eco-friendly Grid-Connected Solar Power Plants with a cumulative capacity of 6 MW on turnkey basis as part of the Jawaharlal Nehru National Solar Mission (JNNSM) of the country. Valued at over Rs.780 Million, the orders for setting up the three Grid-Connected Solar Photovoltaic (SPV) Power Plants of 2 MW capacity each, has been placed on the company by Indiabulls. The orders come close on the heels of another major turnkey order for setting up Grid-Interactive Solar Power Plants of 1100 kW capacity in the Lakshadweep islands. Indiabulls has selected Crystalline Photovoltaic (C-SI PV) technology for these solar power plants which is well proven and has the longest operational experience across the world. The power plants will consist of arrays of thousands of photovoltaic panels made of crystalline silicon that will absorb sunlight and convert it into electricity that will be fed into the main grid. DC power generated by the solar panels will be converted into AC by inverters and fed into the grid through transformers. **BHEL**'s scope of work in the contract envisages design, manufacture, supply, installation and operation & maintenance of one solar power plant at Bareilly in Uttar Pradesh and two solar power plants near Nagpur in Maharashtra. The orders are slated for completion during the year 2011. **BHEL** is presently executing another turnkey contract for setting up eco-friendly Grid-Interactive Solar Power Plants of 3 MW capacity in Raichur District of North Karnataka for Karnataka Power Corporation Limited (KPCL). Backed by a vast experience of nearly 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. The operations in semi-conductors and solar photovoltaics are supported by an R&D unit, located in Gurgaon. 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. Solar cells and modules manufactured by **BHEL** are also exported to countries like Germany, Australia and Italy. The company's PV modules are certified to international standards by JRC, Ispra, Italy.

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