

# Industrial Products Finder

## Kenersys Inaugurates Wind Turbine Plant at Baramati

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Wind turbine manufacturer Kenersys, part of the renowned Kalyani Group, inaugurated its manufacturing plant for state-of-the-art multi-megawatt onshore wind turbines at Baramati recently. The plant was inaugurated by Mr Ajit Dada Pawar, Deputy Chief Minister, Maharashtra, in the presence of Mr B N Kalyani, Chairman, Kenersys Group, Mr Amit Kalyani, Director, Kenersys Group, and Mr Paulo Soares, Global CEO, Kenersys Group. Set up on an area of 35 acres, the plant will entail production of wind turbines of type K82 2 MW with 82 metres rotor diameter and a total height of 140 metres. In combination with its German production plant at Wismar, the global production capacity of Kenersys' wind turbines will now reach 1,000 MW.



Speaking on the occasion, Mr Kalyani said, "Renewable energy represents the next big frontier in the technology industry and wind power is one of the fastest growing energy sources in the world. At Kenersys, we have been able to successfully combine German expertise with the global supply chain capabilities of the Kalyani Group to offer premium wind energy solutions to our large quality and technology-conscious customers. Our new facility is a testament to Kenersys' commitment to growing our footprint in India." Elaborating on the technological aspect of their turbines, Mr Soares said, "The turbines produced at the Baramati plant use Synerdrive technology with special features that are new to India. This comprises an advanced cooling system for the harsh climate conditions and a special converter system that keeps the turbine in an idling mode during grid downtime."

The fact that the wind energy market is one of the fastest growing in the renewable energy sector is driven home by the fact that India ranks third in the global scenario with an estimated wind potential of 100 GW onshore. The country witnessed an addition of 2,139 MW of new capacity in 2010, taking the total installed capacity to 13,065 MW. This is certainly impressive compared to the installed capacity of just

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220 MW in 2000. “Our new plant here underscores our commitment to becoming a major player in the Indian wind market. We can manufacture up to 200 turbines per year at this plant,” Mr Kalyani said. The company has invested more than Rs 350 crore in the research and development, prototype testing and validation of the turbines and another Rs 50 crore in setting up the plant. “We have already lined up additional investment of Rs 100 crore to meet the requirements of the near future,” he added.

Founded in 2003 as an engineering company focused on wind in Germany, it became a part of the Kalyani Group in 2007. In April 2008, the US-based private equity firm called First Reserve Corporation that focuses on energy companies invested in Kenersys (short for Kalyani Energy Systems). The company has developed two onshore turbines, the K82 2 MW turbine with 82 metres’ rotor diameter and the K100 2.5 MW turbine with 100 metres’ rotor diameter.

“These are equipped with patented internal supply unit and a full conversion system which enables the turbines to fulfill all the stringent grid codes,” Mr Soares said. The company’s first customer was Vattenfall in Germany. Subsequently, the company has sold its turbines to both Indian and foreign customers, including Tata Power in Maharashtra to substantially enhance its green energy generation through various renewable opportunities.

