

“Manufacturing Units without Electricity Grid connections now a reality”



Consul Neowatt announced that setting up manufacturing facilities without electricity grid connections is now a reality. It has successfully completed one year of operations of a manufacturing plant in Satara, Maharashtra where the entire load of the factory including CNC machines, welding machines, paint booth as well as lighting requirements was powered by solar.

At this factory, the captive solar power plant with energy storage is the primary source of

power for the whole factory. The daily requirement of the facility is met by a captive 80kW solar plant. At the heart of solar plant is a Consul Neowatt Sunbird hybrid solar inverter that is capable of generating around 320 units of electricity per day and also storing the excess energy in a battery for use when the sun is not shining. The factory does not have a EB connection and uses a DG set as a backup power source when energy demand exceeds the solar power plant capacity. With the solar power plant the factory has been able to turn green and reduce its carbon footprint.

Speaking on this Sriram Ramakrishnan, MD & CEO, Consul Neowatt Power Solution said “with the successful demonstration of a captive solar power plant, a whole new avenue of industrial and commercial development is possible that will not depend on availability of electrical grid power. Also with captive solar power plants we can reduce the burden on the electricity grid and consequent need for the building or expansion of power plants burning fossil fuels.”

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