

Mumbai, December 7, 2017

### Siemens to manufacture new generation of photovoltaic inverters in India

Siemens India launched with Sinacon PV a new generation of photovoltaic (PV) central inverters with an output up to 5,000 kVA. The inverter is part of the Siemens new electrical Balance of Plant (eBoP) solution for PV power plant installations.

The state-of-the-art Sinacon PV inverter will be locally produced and manufactured at Siemens' Kalwa plant near Mumbai for the domestic market as well as for export into the region. The Indian renewable energy sector is the second most attractive renewable energy market in the world. Crossing 14 GW of already installed solar capacity, the Government is firm on its ambition of 100 GW of installed solar generation by 2022.

Harald Griem, Executive Vice-President and Head of Energy Management, Siemens Ltd, said "Siemens is committed to partner the Government in its endeavor to increased use of clean energy sources. The National Solar Mission of the Government aims to establish India as a global leader in solar energy. Siemens aspires to contribute to this with local value-addition in line with Make in India."

A solar PV inverter converts the variable direct current (DC) output of a photovoltaic solar panel into a utility frequency alternating current (AC) that can be fed into a commercial electrical grid or used by a local, off-grid electrical network. The Sinacon PV is equipped with 3 level IGBT modules, has an outdoor design for harsh environments with fluid cooling and can operate up to 60°C ambient temperature.

As a leading supplier of transmission, distribution and smart grid solutions, Siemens intends in addition to the inverter manufacturing also a local assembly of medium voltage inverter stations. The new Siemens inverters and medium voltage inverter stations target large scale, ground mounted solar PV power plants, comprising of comprehensive eBoP

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solutions. The eBoP solution enables solar power to be intelligently integrated into the grid. The portfolio includes all electrotechnical equipment needed. Siemens offers complete end-to-end planning, engineering, and financing, all the way to commissioning and service, including optimum interconnection of energy storage systems and even complete microgrids.

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