

Siemens powers cities across three states Punjab, Uttarakhand and Haryana with Smart Grid solutions

- **Siemens is modernizing the electricity distribution networks of Amritsar, Jalandhar, Ludhiana, Dehradun and Faridabad through SCADA/DMS functionality**
- **The Smart Grid solution improves reliability and reduces downtime in cases of power outages**

Siemens is modernizing the power distribution grids of the cities of Amritsar, Jalandhar, Ludhiana, Dehradun, and Faridabad in northern India. The objective of these projects is to improve the quality and availability of the power supply to residents as well as to reduce the downtimes in the event of blackouts in the entire grid. As part of the modernization, Siemens will implement its Spectrum Power network control system and equip the grid with SCADA/DMS functions (Supervisory Control and Data Acquisition/Distribution Management System) for monitoring and control. The customers are three utility companies, Punjab State Power Corporation, Uttarakhand Power Corporation, and Dakshin Haryana Bijli Vitran Nigam. The volume of the orders amounts to a total of approximately Rs. 75 crore. In these projects, Siemens network control technology will be used as part of an energy development program sponsored by the Indian government.

“Our SCADA/DMS systems are being successfully used by numerous energy suppliers and grid operators in India, where – among others – our systems reduce the downtimes in the event of blackouts in the grid. With the new orders from northern India, as the leading supplier of grid automation we are consolidating and expanding our position worldwide,” said Jan Mrosik, CEO of the Siemens Energy Management Division, Siemens AG.

Sunil Mathur, Managing Director and Chief Executive Officer, Siemens India, said, “For Cities to be able to deliver true value, they need to be able to provide their inhabitants with the highest standard of living while ensuring sustained protection of the environment. One such area is the Smart Grid Solutions which can effectively transform the operational

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capabilities of Power utilities, leading to improved service to its consumers. Siemens has the portfolio, the know-how, and the expertise to help Cities become more liveable, more competitive and more sustainable.”

SCADA systems are used to operate and observe, control and monitor energy grids while the associated Distribution Management System (DMS) optimizes the management of the distribution grid. The Spectrum Power SCADA/DMS system allows grid operators to monitor the network management and the flow of energy. Thanks to its web-based architecture, the system can also be monitored remotely. The modernization of the distribution grids of the three Indian cities will enable real-time monitoring and control of the grids, minimization of power losses, load management, load shedding, and efficient handling of disruptions in the grid and its restoration.

For the Maharashtra State Electricity Distribution Company, Mumbai, Siemens is equipping the power distribution grids of eight cities with turnkey monitoring and control systems (SCADA/DMS). This contract was also awarded as part of the Indian government’s energy development program. In Maharashtra, the SCADA/DMS systems implemented by Siemens improve the availability of the grids and increase the reliability of power supply.

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