

POWERGRID acquires four TBCB Transmission System Projects

12th January 2024, Gurugram: Power Grid Corporation of India Limited (POWERGRID), a Maharatna Central Public Sector Enterprise under the Ministry of Power, GoI, has successfully acquired four Special Purpose Vehicles (SPVs) for Inter-state Transmission System (ISTS) Projects which were bid out through Tariff Based Competitive Bidding (TBCB) process. The acquired SPVs—Vataman Transmission Limited, Koppal II Gadag II Transmission Limited, Bikaner III Neemrana Transmission Limited and Neemrana II Barielly Transmission Limited shall facilitate integration of Renewable Energy Zones, immediate power evacuation and establishment of new ISTS transmission infrastructure.

Vataman Transmission Limited shall implement the Transmission System comprising establishment of a new 765/400kV Switching Station at Vataman, Ahmedabad; 3 nos. of 765kV D/C transmission lines (including a LLO line) traversing in the state of Gujarat as well as extension works at Navsari & Halvad Substations in the state of Gujarat. The Project is to be commissioned within 24 months. This Project shall facilitate evacuation of RE power of 7 GW from Khavda Region for onward dispersal of power to various beneficiaries on ISTS network.

Koppal II Gadag II Transmission Limited shall implement the Transmission System comprising establishment of a new 765/400kV Koppal - II Pooling Station; a new 400/220kV Gadag- II Pooling Station; 2 nos. of 765kV D/C transmission lines traversing in the state of Karnataka; 400kV D/C transmission line traversing in the state of Karnataka as well as associated bay extension works at Narendra and Raichur Substations in the state of Karnataka. The Project is to be commissioned within 24 months. This Project shall facilitate immediate integration and evacuation of 1 GW potential each at Koppal-II & Gadag-II (under Phase-A) along with balance 1 GW potential at Koppal-II (under Phase-B).

Bikaner III Neemrana Transmission Limited shall implement the Transmission System comprising establishment of a new 765/400/220 kV Pooling Station at Bikaner-III, 2 nos. 400 kV D/C and 1 no. of 765 kV D/C transmission lines traversing in the state of Rajasthan and associated bay extension works at Neemrana-II Substation in the state of Rajasthan. This Project is to be commissioned within 24 months.

Neemrana II Barielly Transmission Limited shall implement the Transmission System comprising establishment of a new 765 kV D/C transmission line traversing in the states of Rajasthan and Uttar Pradesh along with associated bay extension works at Neemrana-II Substation in the state of Rajasthan and Bareilly Substation in the state of Uttar Pradesh. The Project is to be commissioned within 24 months.

The latter two Projects to be implemented by Bikaner III Neemrana Transmission Limited & Neemrana II Barielly Transmission Limited shall form part of 765kV high-capacity corridor i.e., Bikaner-III-Neemrana-II - Bareilly (POWERGRID) and shall facilitate evacuation of RE power of 4 GW from Bikaner-III Pooling Station Region for onward dispersal of power to various beneficiaries on ISTS network.

POWERGRID, through its various Projects SPVs which have been acquired through tariff bidding route, is implementing various Transmission System Projects being constructed on build, own, operate and transfer

(BOOT) basis. These Projects will augment the Indian transmission infrastructure to evacuate Green Energy to the National Grid thereby reducing dependency on fossil fuels, in line with Government of India's vision of achieving 500 GW renewable energy target by year 2030.

As on 31st December 2023, POWERGRID has commissioned and operating 276 Sub-stations and more than 1,76,531 ckm transmission lines and 5,17,861 MVA of transformation capacity. With the adoption of latest technological tools and techniques, enhanced use of automation and digital solutions, POWERGRID has been able to maintain average transmission system availability of 99.86%.

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