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BHEL achieves major landmark; Commissions 765/400 kV Raichur-Sholapur Transmission Link Synchronously-operated National Grid formed for One Nation-One Grid-One Frequency

Six months ahead of the contractual schedule, Bharat Heavy Electricals Limited (**BHEL**) has achieved a major milestone in its transmission business by successfully constructing and commissioning the 765/400kV Substation at Raichur in Karnataka, the Southern end of the 765 kV Raichur-Sholapur transmision link of POWERGRID. Significantly, with the commissioning of the 765kV Raichur-Sholapur transmission link, the Southern Grid has been synchronized with the N-E-W Grid thus forming the synchronously operated National Grid, thereby fulfilling the ambition of One Nation-One Grid-One Frequency. **BHEL**â€™s scope of work in the project included design, engineering, manufacturing, supply, erection, testing and commissioning of the 765/400 kV Substation package at Raichur. The project demanded the highest degree of competence in manufacturing and execution from **BHEL**'s own manufacturing units and numerous sub-vendors. This project will allow import of electricity from other regions to the Southern region during peak demand as well as export of surplus power from the Southern region during off-peak demand. **BHEL** is proud to have been associated with the execution of this historic transmission link. **BHEL** has always been committed to the nationâ€™s power transmission programme and this achievement reaffirms its commitment to the growth of the transmission sector. **BHEL** has a rich experience of more than four decades of setting up substations/switchyards on turnkey basis and has executed numerous transmission projects all across the globe. **BHEL** has indigenously developed and executed schemes using FACTs devices like Fixed Series Compensation for 400 kV lines for enhancing the power transfer capability & reducing transmission losses and Controlled Shunt Reactor (CSR) for dynamic reactive power management of long 400 kV transmission lines. For controlling power flow in 400 kV transmission systems, **BHEL** has indigenously developed & supplied Phase Shifting Transformer. **BHEL** has also supplied â€˜Static VAr Compensationâ€™ (SVC) for transmission utilities and industries for Rolling mills & Furnace application and have also supplied STATCOM for industrial applications. **BHEL** is currently associated in the execution of the worldâ€™s largest Â±800 kV, 6000 MW Ultra High-Voltage Multi-terminal DC transmission link between North East and Agra.