

Success Story of India-Bangladesh Power System Operation

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Abstract:

This paper follows the evolution of electricity grid interconnections between India and Bangladesh over time. The governance, policy, and regulatory framework facilitating the cross-border exchanges is elaborated. The power system scenario in terms of demand and generation of both countries is also discussed. The major operational aspects, viz. operational coordination, data & voice communication, scheduling & dispatch, reactive power management, protection aspects, system protection schemes, outage coordination, and resilience are examined. Future outlook for expanding the energy coordination between India and Bangladesh and the paper concludes with the benefits accruing due to cross-border interconnections.