

INVITATION FOR BIDS

EPC of 500 MWh Battery Energy Storage System in India

Publication date: 27th Apr 2022

Submission date: 06th June 2022

Country: India

Description of procurement:

Design, Engineering, Manufacturing, Supply, Packing and Forwarding, Transportation, Unloading, Storage, Installation and Commissioning of grid connected Standalone Battery Storage System of 250MW/500MWH capacity located near Fatehgarh-III ISTS substation in Rajasthan.

Scope of Work:

The scope includes the following: -

- Detailed design, fabrication, shipping, assembling, testing, start-up, commissioning of all the equipment and system(s) including civil works. Warrant and make ready for service a fully functional turnkey battery energy storage system that meets or exceeds all requirements.
- Design, install and make ready an Energy Management System (EMS) with control and communication system for monitoring and controlling battery/BMS and PCS parameters.
- All Civil, Structural and Architectural works for BESS and associated electrical system including 33 kV Pooling switchgear and CMCS building.
- Development of Internal 220 kV Switchyard evacuation system from 33kV Pooling switchgear and necessary Transmission Line for connection with Fatehgarh-III ISTS Substation
- Project commissioning and Performance testing for demonstration of Guaranteed capacity at interconnection point at ISTS Fatehgarh-III substation.
- Performance testing at each year and end of Project Life (12 years from COD).

Bidder shall provide comprehensive operation & maintenance of the BESS plant (including Battery replacement and disposal if required) for a period for 12 years from the date of Commercial Operation.

BESS Project capacity: 250MW with 500MWH

Project Life =12 Years after COD.

Annual Degradation Allowed: - 2.5% per Year (MWh)

Demonstration of Capacity after 12 years of COD =70% of Capacity at SCOD.

For more information, please email to info@tenderingprojects.es