

EXPRESSION OF INTEREST
Utility Scale Battery Storage System

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Submission date: 26th Jul 2021

Project Country: India

Description of procurement:

NTPC Limited produces around 300 Billion units of electricity annually through its cluster of gas, coal, hydro and RE based power stations of more than 65 GW capacity spanning across the country. Further NTPC plans target capacity of 130 GW including RE target capacity of 60 GW by 2032.

Ministry of Power (Government of India), vide order dated 21.06.2021, has announced waiver of Inter State Transmission Charges on energy supplied to/from BESS projects commissioned before June 2025, if at least 70% of charging requirement is met through renewable sources.

A grid-scale BESS, if deployed by NTPC, will be available for participation in both primary and secondary frequency response services and enhance the availability and quality of reserves in the grid. NTPC Ltd., in keeping focus on evolving power market, wants to install **1000 MWh of Grid-scale Battery Energy Storage System** at single/split across multiple NTPC power plants across the country

NTPC through this EOI is interested in investigating different business models for development of BESS for different applications with thermal generator and RE power generator. This includes, but not limited to, the following:

- A. Design, Build & Operate
- B. Co-investment partnership

The EOI respondents may also suggest steps for finding an optimal location for BESS placement based on their experience.

Requirements:

Applicants in this EOI should meet any of the following criteria:

- a. The battery energy storage manufacturer should have manufactured and supplied batteries for grid interactive BESS of cumulative installed capacity of 5 MW/5 MWh or higher.
- b. The Integrator should be the agency/entity, which has carried out the integration work(s) of grid interactive BESS of cumulative installed capacity of 5 MW/5 MWh.

For more information, please visit: www.ntpctender.com & <https://eprocurrentpc.nic.in>