

ABRIDGED INVITATION FOR BIDS

NTPC LIMITED

(A Government of India Enterprise)

CORPORATE CONTRACTS, NOIDA

INVITATION FOR BIDS (IFB)

FOR

EPC PACKAGE

FOR

“Development of 4000 MWh BESS at NTPC Thermal Stations”

(Domestic Competitive Bidding)

Bidding Document No.: CS-0011-170D-9

Date: 08.08.2025

NTPC invites on-line bids on **Single Stage Two Envelope Basis (i.e. Envelope-I: Techno-Commercial Bid and Envelope-II: Price Bid)** from eligible Bidders for aforesaid package.

For the detailed IFB and bidding documents please visit <https://eprocurentpc.nic.in/> or www.ntpctender.ntpc.co.in or www.ntpc.co.in after **19.08.2025** or may contact AGM (CS)/ Sr. Manager (CS), NTPC Limited, 6th Floor, Engineering Office Complex, A-8A, Sector-24, NOIDA, Distt. Gautam Budh Nagar, (UP), INDIA, Pin - 201301 on Mob. No.: +91-9650992301 / 7588184070 or at E-mail: abhishekjain02@ntpc.co.in/ rsingh03@ntpc.co.in

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Corporate Identification Number: L40101DL1975GOI007966,

EPC Package for Development of 4000 MWh BESS at NTPC Thermal Stations

“Salient Technical Features of Package”

Name of the Project	EPC Package for Development of 4000 MWh BESS at NTPC Thermal Stations
Project capacity	Total: 300 MW/1200 MWh and 1400 MW/2800 MWh (across 11 locations) (All capacities measured at 400KV/220 KV/132 KV PoI—Point of Interconnection)
BESS Service Life	The designed service life of BESS shall be 12years. BESS shall be designed for two cycle operations per day. Comprehensive Annual Maintenance Contract (CAMC) for 12 years is included in the scope of this project.
Degradation	Rated project capacity at PoI has to be demonstrated during commissioning and shall be maintained for the first year of operation. Degradation in Daily Discharge capacity and Annual Round trip efficiency shall be allowed on annual basis

Other Salient Technical Features :

1. Determination of basic design criteria for awarded capacity for grid interactive Battery Energy Storage System (BESS).
2. The BESS shall comprise of Battery System, Battery Management System (BMS), Energy Management System (EMS) and SCADA, Power Conversion System (PCS), Protection system, Communication System, HT & LT System, Auxiliary power system, Fire Fighting, remote control and monitoring, and all other associated materials and accessories necessary for trouble free operation and maintenance of the BESS system.
3. Interconnection with the existing thermal power plant facilities.
4. Comprehensive Annual Maintenance Contract (CAMC) of the BESS system for a period of 12 years from the date of successful completion of Performance Guarantee (PG) Test.

Aforesaid Salient Technical Features are mentioned only to facilitate the interested parties to prima-facie understand the requirements of NTPC and shall not in any way limit or alter the scope of work and technical features/specification of equipment/ systems/ services covered in the tender. Detailed provisions in regard of scope of work and technical features/specification of equipment/ systems/ services, contained in the Bidding Document to be published along with the IFB shall be final and binding.”