

NTPC Limited

Project: NTPC-Gadarwara and NTPC-Solapur

Package: BESS Main Package for development of 250MW/500MWh Standalone BESS at NTPC-Gadarwara and NTPC-Solapur.

Bidding Documents No: RE-CS-5814-005-9

Salient Technical Features of the equipment/system/services covered in the Bidding Documents are mentioned below. These Salient Technical Features are mentioned only to facilitate the prospective bidders to prima facie understand the requirements under the tender and shall not in any way limit or alter the scope of work and technical features/specification of equipment/system/services covered in the Bidding Documents. Detailed provisions in regard of scope of work and technical features/specification of equipment/system/services, contained in the Bidding Documents shall be final and binding.

(A) Salient Technical Features

The BESS AC capacity at NTPC-Gadarwara -150MW/300MWH and BESS AC capacity at NTPC-Solapur-100MW/200MWh at 132kV level (Grid) of NTPC Thermal Plant with following salient technical details.

- a) Project Life: -12 years
- b) 2 cycle per day. Each Cycle for 2 hours.
- c) Allowed 2.5% Degradation (MWH)per year.
- d) Nominal Round trip Efficiency at POI (132kV) = 80% and above.

The scope of the package shall consists of

(i) **Supply, Packing, Forwarding, and Transportation up to respective project site including Inland Transit insurance** of Containerized Battery Storage, Battery inverters/PCU, Energy Management Systems (EMS).

(ii) Design & Engineering of BESS and Integration of BESS and EMS with Grid and BoS Infra.

(iii) Associated warranty, Comprehensive O&M and Insurance of above Equipments for project life.

(iv) Supervision of Installation/ Erection of BESS and integration work/Testing of BESS (Battery, PCS and EMS) with Grid and evacuation/BoS Infra as per RLDC.

(v) Commissioning of BESS (Battery, PCS and EMS).

(vi) Supply of Mandatory Spare.

Note: The detailed scope of work is as defined in the bidding document