

ABRIDGED INVITATION FOR BIDS

NTPC RENEWABLE ENERGY LIMITED
(A SUBSIDIARY OF NTPC GREEN ENERGY LIMITED)

CONTRACTS SERVICES

ABRIDGED INVITATION FOR BIDS (IFB)

FOR

SELECTION OF DEVELOPER(S) FOR ISTS CONNECTED PUMP HYDRO ENERGY STORAGE SOLUTIONS OF 2000 MW / 12000 MWh WITH 500 MW (MIN) CAPACITY AT SINGLE LOCATION (ANYWHERE IN INDIA) UNDER PHES AS SERVICE MODEL

(DOMESTIC COMPETITIVE BIDDING)

IFB No.: NRE-CS-5846-004(PHES)-9

Date: 29.05.2026

NTPC RENEWABLE ENERGY LIMITED (NTPC REL) invites online bids from eligible bidders on Single Stage Two Envelope (i.e. Envelope-I: Techno-Commercial Bid and Envelope-II: Price Bid) for “SELECTION OF DEVELOPER(S) FOR ISTS CONNECTED PUMP HYDRO ENERGY STORAGE SOLUTIONS OF 2000 MW / 12000 MWh WITH 500 MW (MIN) CAPACITY AT SINGLE LOCATION (ANYWHERE IN INDIA) UNDER PHES AS SERVICE MODEL”

For the detailed IFB, please visit at <https://www.bharat-electronictender.com> or <https://ntpctender.ntpc.co.in> or www.ntpc.co.in or <https://ngel.in/tender> from 15.06.2026 or may contact DGM (CS) / AGM (CS), NTPC Renewable Energy Limited, 4th Floor, NETRA Building E-3, Ecotech-II, Udyog Vihar, Greater Noida, Distt. Gautam Budh Nagar, (UP), INDIA, Pin-201306 on Mob No. +91-9424140768/ Tel No. +91-120-2356601 or at e-mail: abhishekkumar02@ntpc.co.in / omprakash08@ntpc.co.in

Registered Office:

NTPC Renewable Energy Limited

NTPC Bhawan, SCOPE Complex,

7, Institutional Area, Lodhi Road, New Delhi-110003,

Corporate Identification Number (NGEL): **U40107DL2020GOI371032**,

Website: www.ntpcrel.co.in

**SELECTION OF DEVELOPER/S FOR ISTS CONNECTED PUMP HYDRO
ENERGY STORAGE SOLUTIONS OF 2000MW / 12000 MWh WITH 500MW (min)
CAPACITY AT SINGLE LOCATION (Anywhere in India)
UNDER PHES as SERVICE MODEL**

NTPC Renewable Energy Limited (hereinafter called NTPC REL) intends to avail Energy Storage facility under Service Model to meet its RE RTC (Round the Clock) commitments, by complementing the ISTS connected PHES with in-house Wind/solar Power Projects. NTPC REL intends to avail the services to the extent of 2000MW/12000 MWh, with 500MW being the min. capacity at single location, anywhere in India.

The capacity shall be provided under Service model to NTPC REL by the Bidder through a Global Competitive Bidding Process (conducted online followed by reverse auction). After conclusion of bidding process, NTPC REL shall enter into energy storage service agreement on 'annual fixed charge basis' with the selected Bidders for a period of 25 years.

The salient feature of the RFP is as under:

- 1.0 The power generated by any of the RE projects of NTPC/NTPC REL shall be used for the charging of the ESS project and NTPC REL shall utilize above energy storage facility, on a "On-Demand" basis, suited to its requirements during the peak and off-peak hours to meet its RE-RTC power requirement.
- 2.0 The project size will be of minimum 500 MW (min) capacity, bidders can quote any capacities above the same to the extent of 2000 MW, however the min single-cycle time shall be 6 Hours.

Note: Already commissioned projects, projects under construction and newly conceptualized project will be considered under this RfS, subject to the availability of the quoted capacity for a period of 25 Years with other conditions being stringent i.e., 500 MW (min) capacity & min single-cycle time of 6 Hours.

Projects under construction or projects which are not yet commissioned will however only be considered in case the required clearances for these projects have already been obtained by the Bidder and the DPR has been approved by designated authorities of Govt. Enhancement and augmentation of already commissioned Projects can be considered under this scheme subject to the proper approvals being in place for these projects.

- 3.0 The capacity shall be allocated on Bucket filling methodology. Bid price shall be invited in the form of "INR per MWh per year" basis. Further, the total completion schedule of the assignment has been kept as 48 months or earlier from the date of signing of Energy Storage Service Agreement. It may be noted that Energy Storage Service Agreement shall be signed within three (03) months from the issuance of Letter of Award.

Other Parameters for the Rfs:

- a) **Location of PHES:** Bidder can propose location anywhere in India.
- b) **Availability / Development:** Within 4 years (48 Months)
- c) **Minimum Capacity at single location:** 500 MW
- d) **Single cycle:** 6 Hours generation through discharging.
- e) **Connectivity:** ISTS Connected. The connectivity & Transmission till ISTS Substation shall be in the scope of PHES Bidder.
- f) **Input/ Charging Power:** To Be Provided by NTPC REL.
- g) **Metering:** At interconnecting point with ISTS Substation. Same shall be used for Efficiency checks & LD Purposes.
- h) **O&M of PHES:** By the Bidder as PHES is provided as a service only.