

INVITATION FOR BID

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

CONTRACTS SERVICES

INVITATION FOR BIDS (IFB) FOR

PROCUREMENT OF ISTS-CONNECTED PUMPED HYDRO ENERGY STORAGE OF 2,000 MW / 12,000 MWH, WITH MINIMUM 500 MW / 3000 MWH AT A SINGLE LOCATION, UNDER SERVICE MODE (ANYWHERE IN INDIA)

(International Competitive Bidding)

IFB No.: NRE-CS-2026-27-0000-SER-1

Date: 05.10.2026

Tender Search Code: NTPCREL-2026-TN000041

RfS No: NRE-CS-2026-27-0000-SER-1

- 1.0 **NTPC Renewable Energy Limited (NTPC REL)** invites online bids from eligible bidders on Single Stage Two Envelope (i.e. Envelope-I: Technical Bid and Envelope-II: Financial Bid) with Reverse Auction for PROCUREMENT OF ISTS-CONNECTED PUMPED HYDRO ENERGY STORAGE OF 2,000 MW / 12,000 MWH, WITH MINIMUM 500 MW / 3000 MWH AT A SINGLE LOCATION, UNDER SERVICE MODE (ANYWHERE IN INDIA).
- 2.0 Detailed Terms & Conditions are given in the Request for Selection (RfS) documents No. **NRE-CS-2026-27-0000-SER-1** which are available for examination and Downloading at e-Tender Portal (as specified in this IFB) as per the following schedule:

IFB No.	NRE-CS-2026-27-0000-SER-1	
IFB Date	05.10.2026	
Downloading of Bidding Documents	From 05.10.2026 to 19.10.2026	
Pre Bid Conference and Last Date for receipt of queries from prospective Bidders	22.10.2026	
Last Date and Time for receipt of bids comprising both Technical and Financial Bid	03.11.2026	15:00:00 (IST)
Date & Time of opening of Technical Bids	03.11.2026	15:30:00 (IST)
Reverse Auction	Shall be Intimated separately by NTPC REL	
Cost of RfS Documents in INR	NIL	

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Bidder to download official copy of bidding document from the ETS Portal.

2.1 Brief Scope of Work

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 meets 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.

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- 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.

The detailed scope of work shall be as defined in the RfS documents.

- 3.0 All bids must be accompanied by Earnest Money Deposit for an amount calculated at the rate of **INR 10.00 Lakh per MW** (Indian Rupees Ten Lakh per MW) and in the form as stipulated in the RfS Documents

MSEs (Micro and Small Enterprises) having UDYAM registration only are exempted from submission of Earnest Money Deposit (EMD). For a Consortium to be eligible for exemption from submission of Earnest Money Deposit, all the members of the Consortium shall be registered as MSE.

ANY BID NOT ACCOMPANIED BY AN ACCEPTABLE BID SECURITY SHALL BE REJECTED BY THE EMPLOYER AS BEING NON-RESPONSIVE AND SHALL NOT BE OPENED. IN CASE, THE BID SECURITY IS SUBMITTED AS E-BG, BIDDER TO SUBMIT THE COPY OF E-BG IN SEPARATE SEALED ENVELOPE. FURTHER, THE BID SECURITY (OTHER THAN E-BG) IS REQUIRED TO BE SUBMITTED BY THE BIDDER IN PHYSICAL FORM AND BIDDER TO SUBMIT THE ORIGINAL INSTRUMENT (OR EXTENSIONS, IF ANY) IN SEPARATE SEALED ENVELOPE AND A COPY OF THE SAME IN THE E-TENDERING PORTAL.

- 4.0 **Qualifying Requirements for Bidders:**

Qualifying Requirements shall be as specified in the RfS documents.

- 5.0 NTPC reserves the right to reject any or all bids or cancel/withdraw the Invitation for Bids without assigning any reason whatsoever and in such case no bidder / intending bidder shall have any claim arising out of such action.

- 6.0 Interested parties are required to get registered with M/s ISN Electronic Tender Services website <https://www.bharat-electronictender.com> (if not registered already).

The RfS document is available for free download from ETS's website at <https://www.bharat-electronictender.com>. A link to the same is also available at www.ntpctender.ntpc.co.in. Interested bidders are required to submit their request prior to closing of RfS documents sale period to enable the employer/buyer for authorizing the bidder to download the RfS documents online from the ETS portal.

Interested parties are required to ensure that they have downloaded the official copy of RfS documents against Tender Search code- **NTPCREL-2026-TN000041** from abovementioned website without which they will not be able to submit their bids. For technical assistance call ETS Helpdesk at +91 124-4229071, +91 124-4229072.

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6.1 **Note: No hard copy of RfS Documents shall be issued.**

7.0 Issuance of RfS Documents to any Bidder shall not construe that such Bidder is considered to be qualified. Bids shall be submitted online. Bidder shall furnish Earnest Money Deposited, Pass Phrase and Board Resolution separately offline as detailed in RfS Documents before the stipulated bid submission closing date and time at the address given below.

8.0 Transfer of RfS Documents purchased by one intending Bidder to another is not permissible.

9.0 Any 'Bidder from a country which shares a land border with India', as specified in the Bidding Documents, will be eligible to bid in this tender only if bidder is registered with the Competent Authority as mentioned in the Bidding Documents.

Further, any bidder (including bidder from India) having specified Transfer of Technology (ToT) arrangement with an entity from a country which shares a land border with India, will be eligible to bid only if the bidder is registered with the same competent authority.

However, the said requirement of registration will not apply to bidders from those countries (even if sharing a land border with India) to which the Government of India has extended lines of credit or in which the Government of India is engaged in development projects

10.0 **Address for communication:**

AGM (RE-CS) / DGM (RE-CS)
NTPC Limited, RE-Contracts Services
4th Floor, NETRA Building,
E-3, Ecotech-II, Udyog Vihar, Greater Noida-201306,
Distt. Gautam Budh Nagar, (UP), India
Telephone No. +91-120-2356601
Email: - omprakash08@ntpc.co.in/abhishekkumar02@ntpc.co.in
Corporate Identification Number: U40107DL2020GOI371032,
Website: www.ntpcrel.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**

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