

# INVITATION FOR BIDS



**NTPC RENEWABLE ENERGY LIMITED**  
**(A WHOLLY OWNED SUBSIDIARY OF NTPC LIMITED)**

**CONTRACTS SERVICES**

**INVITATION FOR BIDS (IFB)**

**FOR**

**ICT PACKAGE FOR 900 MW SOLAR PROJECTS IN MANDSAUR, MADHYA PRADESH**  
**(Domestic Competitive Bidding)**

**IFB No.: NRE-CS-5816-004(TRF)-9**

**Date: 29.04.2026**

**ETS Portal Tender Search Code: NTPCREL-2026-TN000015**

**Bidding Document No: NRE-CS-5816-004(TRF)-9**

**1.0 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) basis for ICT Package for 900 MW Solar Projects in Mandsaour, Madhya Pradesh.**

**2.0 Brief Scope of Work:**

1. Design, Engineering, Manufacturing, Supply, Testing, Packing and Forwarding, Transportation, Unloading, supervision of Erection and Commissioning of 500 MVA, 400/220/33 kV Three Phase ICTs (Auto Transformers) along with required accessories as follows.

a. Supply, supervision of Erection and Commissioning of Main Equipment:

a) 500 MVA, 400/220/33 kV Three Phase ICTs (Auto Transformers)	Total 02 Nos.
Fire Protection System for each Transformer.	Total 02 Nos.

b. Supply and Installation of Monitoring Equipment: -

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a) On-Line DGA Analyzer for each ICT under service.	Total 02 Nos.
b) Portable On-Line Moisture Removal System	Total 02 Nos.

c. Supply of Operation & Maintenance instruments and accessories: -

a) Insulation tester (0-10kV)	01 No.
b) Oil Tanker, wheel mounted, 10kL capacity	01 No.
c) Oil purification equipment, 10kL	01 No.
d) IR Camera	01 No.
e) Automatic tan delta kit	01 No.

2. Conducting Complete Routine and Type Test for the Transformers as per IEC 60076/IS 2026.
3. Short Circuit Test of One 500 MVA, 400/220/33 kV ICT (Auto Transformer) (if required).
4. Supply of Mandatory Spares

*The detailed scope of work is as defined in bidding document No.: **NRE-CS-5816-004(TRF)-9***

**3.0** NTPC REL intends to finance the subject package through Own Resources.

**4.0** Detailed specification, Scope of work and Terms & Conditions are given in the bidding documents, which are available for examination and downloading at e-tender portal (as specified in this notice) and as per the following schedule:

ETS Portal Tender Search Code (TSC)	<b>NTPCREL-2026-TN000015</b>
IFB Date	29.04.2026
Period of Downloading of Bidding Documents	From 29.04.2026 to 12.05.2026 upto 1700 Hrs (IST)
Pre-Bid Conference Date and Time	13.05.2026; 11:30 Hrs
Last Date for receipt of queries from prospective Bidders	13.05.2026 (18:00 Hrs)

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Last Date and Time for receipt of bids comprising both Techno-Commercial Bid and Price Bid	27.05.2026	14:00:00 (IST)
Date & Time of opening of Techno-Commercial Bid	27.05.2026	15:00:00 (IST)

**No Queries from Bidders, whatsoever, shall be entertained by the Employer beyond the last date of receipt of Queries as specified above.**

- 5.0** All bids must be accompanied by Bid Security for an amount of **INR 1,00,00,000/- (Rupees One Crore Only)** as stipulated in the Bidding Documents.

**ANY BID NOT ACCOMPANIED BY AN ACCEPTABLE BID SECURITY IN A SEPARATE SEALED ENVELOPE SHALL BE REJECTED BY THE EMPLOYER AS BEING NON-RESPONSIVE. IN CASE THE BID SECURITY IS SUBMITTED THROUGH ELECTRONIC FUND TRANSFER (EFT), BIDDER TO SUBMIT THE COPY OF PROOF OF E-PAYMENT OF BID SECURITY EITHER IN SEPARATE SEALED ENVELOPE OR IN THE E-TENDERING PORTAL.**

(Bidders who are unable to send the Original Bank Guarantee in physical form at the tender opening location, may adopt procedure given in Bidding documents)

- 5.1** Benefits to Micro and Small Enterprises (MSE) bidder: Applicable (relevant provisions of bidding documents may be referred). Further, "Package-Wise Evaluation" methodology shall be adopted for this package.

- 5.2** 'Class-I local suppliers' only are eligible to participate in this tender, as defined in the bidding documents / Public Procurement (Preference to Make in India), Order 2017 and its subsequent amendments / revisions issued by DPIIT. The bidders may apprise themselves of the relevant provisions of bidding documents in this regard before submission of their bids.

- 6.0** Qualifying Requirements for Bidders

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In addition to the requirements stipulated (if any) under section Instruction to Bidder (ITB), the Bidder should also meet the qualifying requirements stipulated hereunder in Clause 1.0 and Clause 2.0.

### 1.0 TECHNICAL CRITERIA

(a) (i) Bidder should have designed, manufactured and supplied at least one (1) no. of 400kV or above voltage class transformers of at least 500MVA capacity (either three-phase transformer as a single unit or single-phase transformer).

OR

(ii) The Bidder should have fully established and operational inhouse design and manufacturing facilities for 400 kV and above voltage class transformers.

AND

(b) Bidder should have designed, manufactured and supplied at least two (2) nos. (One each at two different installations) of 220kV or above voltage class transformers of at least 100 MVA capacity. The above transformers should have been in successful operation for at least two years prior to the date of techno-commercial bid opening.

AND

(c) Bidder should have its own facilities for conducting all routine and type tests as per IS 2026/IEC: 60076 (except short circuit test).

AND

(d) Any oil-filled Transformer of 100MVA or higher capacity at 220kV or above voltage class designed and manufactured by bidder should have been successfully short circuit tested prior to the date of techno-commercial bid opening.

Notes for 1.0: -

- i. The transformer designed by bidder's holding company, subsidiary company, or merged/amalgamated entity, for the reference plant, shall also be considered meeting the design requirement of the bidder. Where the bidder relies on such design experience for meeting the above design criteria, the bidder shall submit, along with its techno-commercial bid, an undertaking jointly executed by the bidder and the respective designer entity, committing to the complete and satisfactory performance of the contract on a joint and several liability basis, strictly in accordance with the format enclosed in the bid document. Failure to submit the aforesaid jointly executed undertaking along with the techno-commercial bid shall render the bid liable for rejection.
- ii. For clause 1.0 (a)(i), the bidder shall submit the certificate of supply from the Owner. In case the bidder has not supplied transformer and seeks qualification as per Clause 1.0 (a)(ii), the bidder is required to submit an undertaking along with its techno-commercial bid, strictly in accordance with the format enclosed in the bid document. NTPC REL reserves the right to verify the facilities mentioned at 1.0 (a)(ii) through factory inspection and document verification during

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- techno-commercial bid evaluation. Any misrepresentation may lead to rejection of the bid.
- iii. In case the award for the reference works has been received by the Bidder either directly from owner of plant/substation or any other intermediary organization, a certificate from such owner of plant/substation or the intermediary organization shall be required to be furnished by the Bidder along with its techno-commercial bid in support of its claim of meeting requirement stipulated above.
  - iv. For Clause 1.0 (b), the bidder shall submit the certificate of supply and successful operation from the Owner.
  - v. For clause 1.0 (c), Bidder shall submit the valid third-party accreditation certificate for in-house Testing Facilities/Laboratory for Routine and type test along with the detailed scope of accreditation.
  - vi. For clause 1.0 (d), the bidder shall submit a successful short-circuit withstand type test report(s)/certificate(s).
  - vii. Dynamic Short Circuit test reports / certificates issued by an accredited short circuit testing laboratory, such as KEMA, NHPTL and CPRI shall only be acceptable.
  - viii. Compliance with the Dynamic Short Circuit Withstand Test in accordance with IEC 600765 shall be a mandatory contractual requirement and a condition precedent to supply of transformers under this Contract. The bidder shall submit an undertaking along with its techno-commercial bid, strictly in accordance with the format enclosed in the bid document. If, prior to the techno commercial bid opening date, the successful bidder has not successfully carried out Dynamic Short Circuit Withstand Test on an oil filled transformer of 500 MVA or higher rating, or on a similar transformer to the 500 MVA transformer proposed under this Contract, designed and manufactured by the bidder, where the definition of a "Similar" Transformer shall be strictly in accordance with "Criteria for Selection of Similar Reference Transformer for Dynamic Short-Circuit Withstand Test" as stipulated in the Standard Technical Specifications for Transformer(s) for Solar Park Pooling Stations, then the successful bidder shall be required to:
    - a. Successfully carry out the Dynamic Short-Circuit Withstand Test in accordance with IEC 60076-5 at one of the laboratories specified above, prior to the supply of the transformer under the subject contract. The test shall be conducted on any oil-filled transformer of 500 MVA or higher rating, or on a "similar" transformer to the 500 MVA transformer proposed under the subject contract, designed and manufactured by the bidder. The Dynamic Short-Circuit Withstand Test shall be completed within the timelines specified in the L1 schedule of the subject contract and shall be performed at one of the laboratories specified above. The definition of a "Similar" Transformer shall be strictly in accordance with "Criteria for Selection of Similar Reference Transformer for Dynamic Short-Circuit Withstand Test" as stipulated in the Standard Technical Specifications for Transformer(s) for Solar Park Pooling Stations; and
    - b. Submit a Short-circuit Test Bank Guarantee (BG) equivalent to 10% of the contract value, as per the details specified in the Tender SPC Clause, valid

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and enforceable against Bidder/Contractor's failure to successfully perform the dynamic short-circuit withstand test as stipulated above.

### 2.0 FINANCIAL CRITERIA

**2.1** The average annual turnover of the Bidder should not be less than INR 44 crores (Indian Rupees Forty-Four Crores), during the preceding three (3) financial years as on the date of techno commercial bid opening.

In case a Bidder does not satisfy the average annual turnover criteria on its own, its Holding Company would be required to meet the stipulated turnover requirements as above, provided that the Net Worth of such Holding Company as on the last day of the preceding financial year is at least equal to or more than the paid-up share capital of the Holding Company. In such an event, the Bidder would be required to furnish along with its Techno-Commercial bid, a Letter of Undertaking from its Holding Company, supported by the Holding Company's Board Resolution, as per the format enclosed in the bid documents, pledging unconditional and irrevocable financial support for the execution of the contract by the Bidder in case of award.

**2.2** Net Worth of the Bidder as on the last day of the preceding financial year should not be less than 100% (one hundred percent) of bidder's paid-up share capital. In case the Bidder does not satisfy the Net Worth criteria on its own, it can meet the requirement of Net worth based on the strength of its Subsidiary(ies) and/or Holding Company and/or Subsidiaries of its Holding companies wherever applicable. In such a case, however the Net worth of the Bidder and its Subsidiary(ies) and/or Holding Company and/or Subsidiary(ies) of the Holding Company, in combined manner should not be less than 100% (one hundred percent) of their total paid up share capital. However individually, their Net worth should not be less than 75% (seventy five percent) of their respective paid-up share capitals.

Net worth in combined manner shall be calculated as follows:

Net worth (combined) =  $(X1 + X2 + X3) / (Y1 + Y2 + Y3) \times 100$  where X1, X2, X3 are individual Net worth which should not be less than 75% (seventy five percent) of the respective paid-up share capitals and Y1, Y2, Y3 are individual paid up share capitals.

**2.3** In case the Bidder is not able to furnish its audited financial statements on standalone entity basis, the unaudited unconsolidated financial statements of the Bidder can be considered acceptable provided the Bidder further furnishes the following documents on substantiation of its qualification:

(i) Copies of the unaudited unconsolidated financial statements of the Bidder along with copies of the audited consolidated financial statements of its Holding Company.

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- (ii) Certificate from the CEO/CFO of the Holding Company, as per the format enclosed in the bidding documents, stating that the unaudited unconsolidated financial statements form part of the consolidated financial statement of the Holding Company.

In case where audited results for the last financial year as on date of techno-commercial bid opening are not available, the financial results certified by a practicing Chartered Accountant shall be considered acceptable. In case the Bidder is not able to submit the Certificate from a practicing Chartered Accountant certifying its financial parameters, the audited result of three (3) consecutive financial years preceding the last financial year shall be considered for evaluating financial parameters. Further, a certificate would be required from the CEO/CFO as per the format enclosed in the bidding documents stating that the financial results of the company are under audit as on techno-commercial bid opening and the Certificate from a practicing Chartered Accountant certifying the financial parameters is not available.

Notes for Clause 2.0:

- i. Net worth means the sum total of the paid-up share capital and free reserves. Free reserves mean all reserves credited out of the profits and share premium account but does not include reserves credited out of the revaluation of the assets, write back of depreciation provision and amalgamation. Further any debit balance of Profit and Loss account and miscellaneous expenses to the extent not adjusted or written off, if any, shall be reduced from reserves and surplus.
- ii. Other income shall not be considered for arriving at annual turnover.
- iii. "Holding Company" and "Subsidiary" shall have the meaning ascribed to them as per Companies Act of India.
- iv. For financial figure indicated in foreign currency in Clause 2.1, the exchange rates as on seven (7) days prior to the last date of submission of bid shall be used.
- v. 'Group Company' means two or more enterprises which, directly or indirectly, are in a position to:
  - a) Exercise twenty-six percent or more of voting rights in other enterprise
  - Or
  - b) Appoint more than fifty percent of members of Board of Directors in the other enterprise.

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<p><b>7.0</b> NTPC REL 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.</p> <p><b>8.0</b> Interested parties are required to get registered with M/s ISN Electronic Tender Services (ETS) website <a href="https://www.bharat-electronictender.com">https://www.bharat-electronictender.com</a> (if not already registered).</p>	
<p><b>8.1</b> The bidder shall be mandatorily required to submit a copy of “<b>Non-Disclosure Agreement</b>” duly signed by the authorized signatory on ETS portal as per the format enclosed (as <b>Annexure – I</b>) along with this IFB to enable the Employer to authorize the Bidder for procurement of the Bidding Documents. In case of any non-compliance in submission of Non-Disclosure Agreement, authorization shall not be provided to the bidders for procurement of bidding documents.</p> <p><b>8.2</b> <b>Interested bidders are required to submit duly signed NDA on ETS portal prior to closing of Bidding documents sale period to enable the employer for authorizing the bidder to download the bidding documents online from the ETS portal.</b></p> <p>Issuance of Bid Documents to any Bidder shall not construe that such Bidder is considered to be qualified. The bids shall be submitted online. Bidder shall furnish Bid Security, Pass Phrases and Power of Attorney separately as detailed in Bidding Documents before the stipulated bid submission closing date and time at the address given below.</p> <p><b>8.3</b> After registration with ETS and submission of duly signed NDA as above, a complete set of Bidding Documents may be downloaded by any interested Bidder from ETS Portal <a href="https://www.bharat-electronictender.com">https://www.bharat-electronictender.com</a> with Tender Search Code - NTPCREL-2026-TN000015 .</p> <p><i>Interested bidders are required to ensure that they have downloaded the official copy of bidding documents against Tender Search code- NTPCREL-2026-TN000015 from website of ETS before closure of Bid Sale Period. For technical assistance, interested parties may call ETS Helpdesk at +91-124-4229071, +91-124-4229072.</i></p> <p><b>Note: No hard copy of Bidding Documents shall be issued</b></p> <p><b>9.0</b> Transfer of Bidding Documents purchased by one intending Bidder to another is not permissible.</p>	

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**10.0** 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.

### **11.0 ADDRESS FOR COMMUNICATION**

**Add. General Manager (C&M) / Sr. Manager (C&M)**

Contracts Services

NTPC Renewable Energy Limited

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